

# R.L. ROUDEBUSH VA MEDICAL CENTER

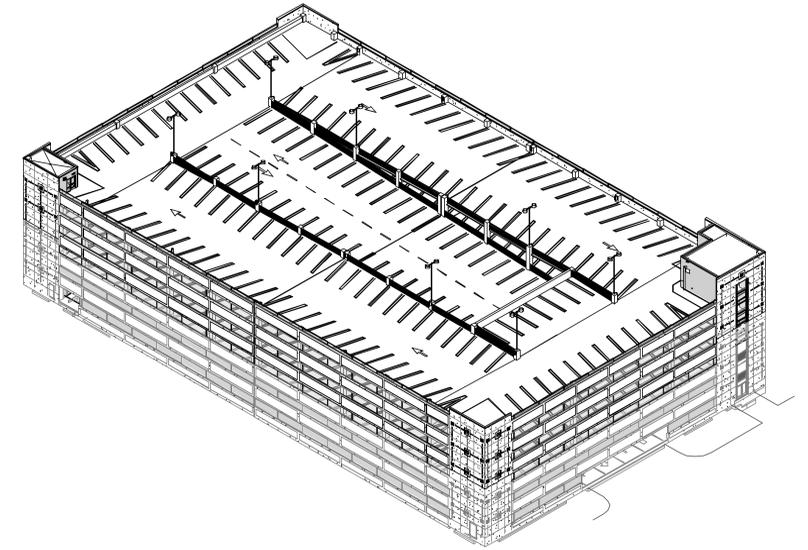
## PARKING GARAGE EXPANSION PROJECT #583-330



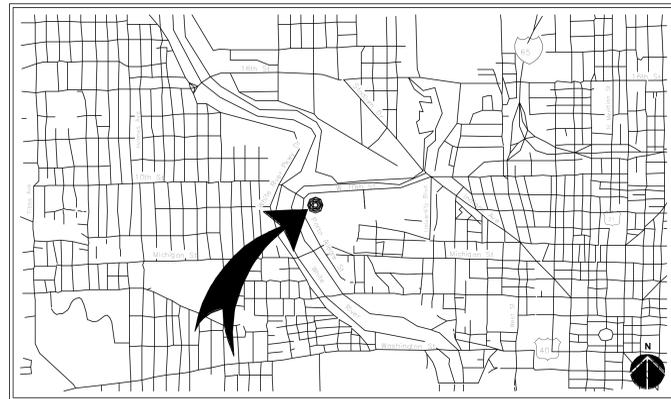
RICHARD L. ROUDEBUSH  
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ENGINEERING SERVICE  
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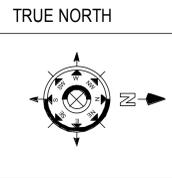
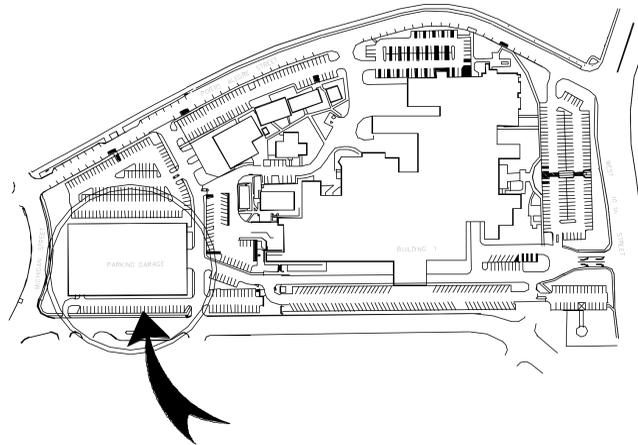
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SF542	CONCRETE FRAMING SECTIONS	E000	ELECTRICAL LEGEND & ABBREVIATIONS		
SF551	TYPICAL STEEL AND CMU DETAILS AND SCHEDULES	ED101	ELECTRICAL FIRST AND SECOND LEVEL DEMOLITION PLANS		
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AS104	NEW FIFTH LEVEL PLAN	EP105	ELECTRICAL SIXTH LEVEL POWER & SYSTEMS PLAN		
AS105	NEW SIXTH LEVEL PLAN	E401	ELECTRICAL TELECOMMUNICATIONS/CCTV SCHEMATIC		
AS110	ROOF PLANS				



VICINITY MAP1



LOCATION MAP



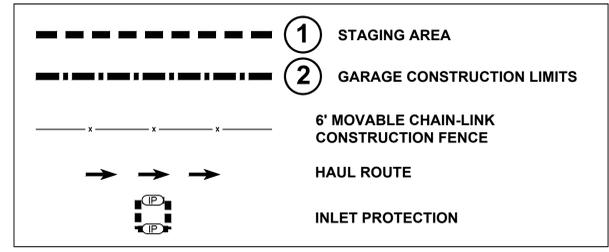
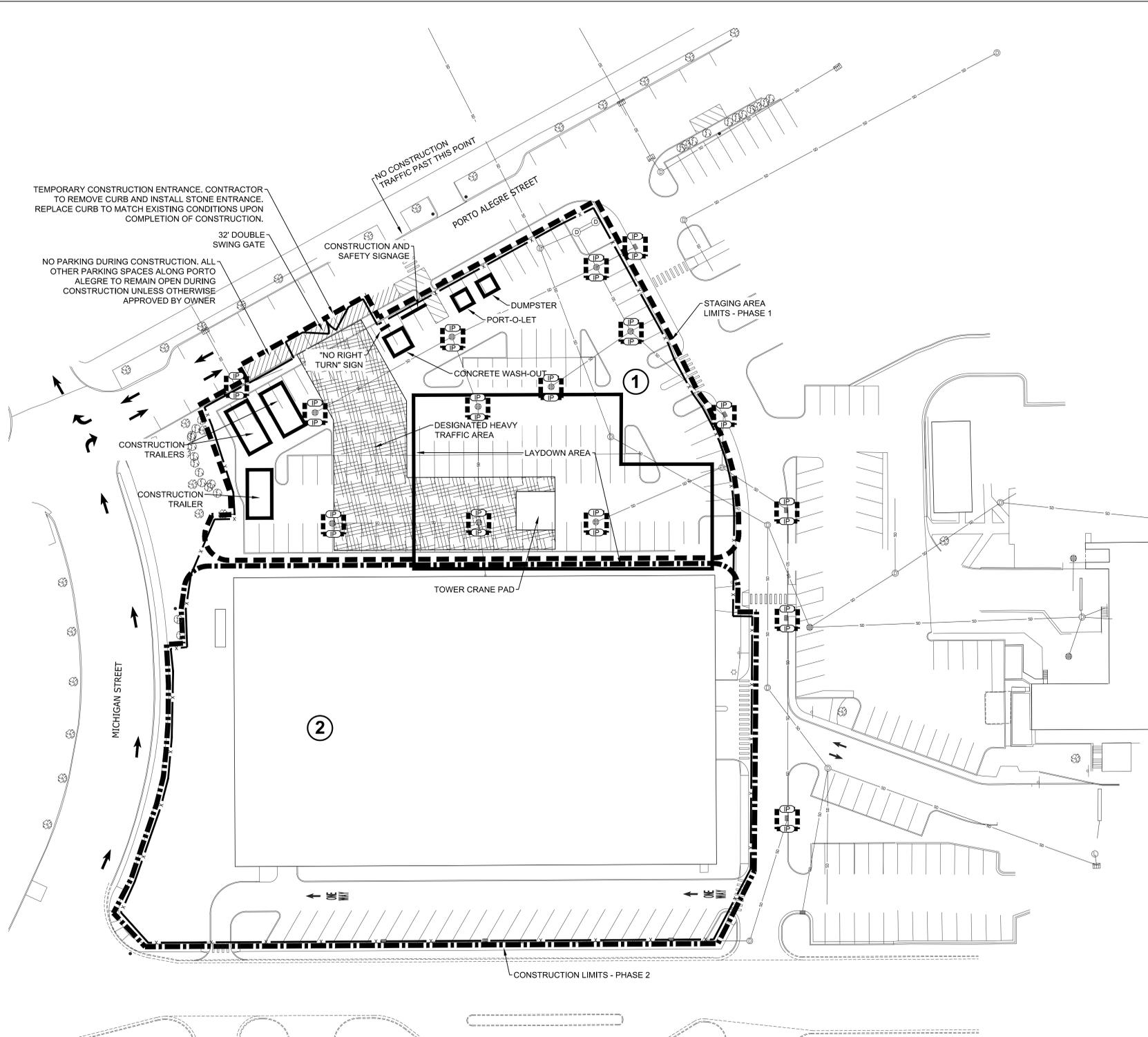
BID DOCUMENTS

<table border="1"> <thead> <tr> <th>Revision Schedule</th> <th>Comments</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Revision Schedule	Comments	Date				<p>CONSULTANTS:</p>	<p>ARCHITECT/ENGINEERS:</p> <p>7200 Shadeland Station   Indianapolis, Indiana 46256 TEL 317.547.5590   FAX 317.543.9279 www.structurepoint.com</p>	<p>Drawing Title</p> <p>COVER SHEET</p>	<p>Project Title</p> <p>R.L. Roudebush VA Medical Center Parking Garage</p> <p>Location</p> <p>INDIANAPOLIS, IN</p> <p>Date</p> <p>10/14/14</p> <p>Checked</p> <p>RSB</p> <p>Drawn</p> <p>VFS</p>	<p>Project Number</p> <p>583-330</p> <p>Building Number</p> <p>20</p> <p>Drawing Number</p> <p>G001</p> <p>Dwg. 1 of 93</p>	<p>Office of Construction and Facilities Management</p> <p>VA Department of Veterans Affairs</p>
Revision Schedule	Comments	Date										





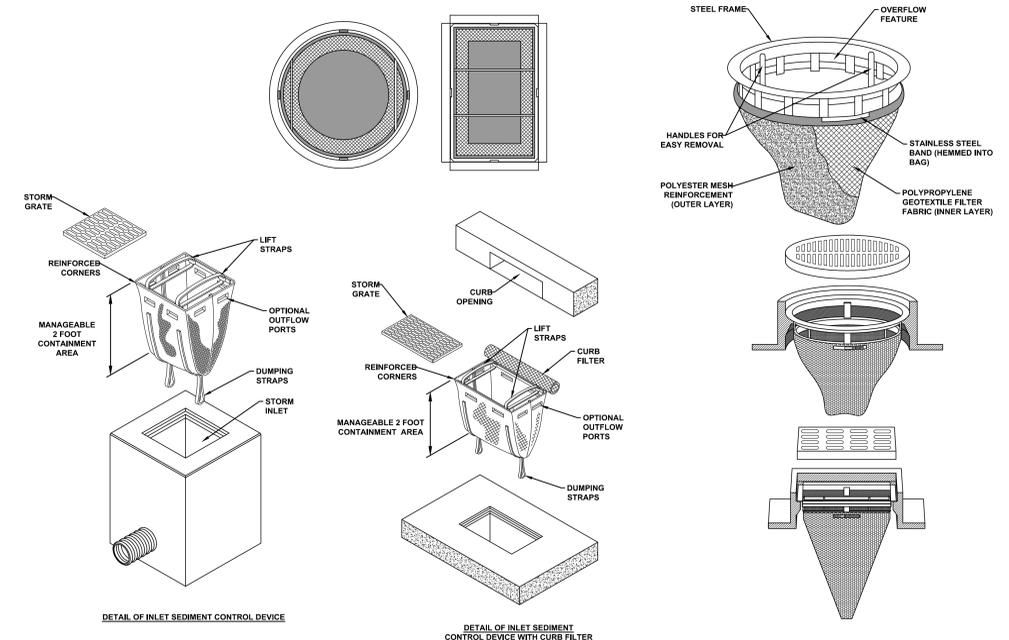
three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot  
 one sixteenth inch = one foot



- ### GENERAL NOTES
- ALL WORK TO CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS.
  - CONTRACTOR SHALL KEEP ADJOINING PROPERTIES CLEAN OF CONSTRUCTION DEBRIS AND CONSTRUCTION TRAFFIC AT ALL TIMES.
  - CONDUCT DEMOLITION AND CONSTRUCTION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH STREETS, WALKS AND OTHER ADJACENT OCCUPIED FACILITIES.
  - DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PERMISSION FROM THE COR OR LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY GOVERNING AUTHORITIES.
  - ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION AND CONSTRUCTION. CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT STRUCTURES AND OTHER FACILITIES AND INJURY TO PERSONS.
  - PROMPTLY REPAIR DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION AND CONSTRUCTION OPERATIONS.
  - ALL UTILITY INFORMATION SHALL BE VERIFIED BY THE CONTRACTOR. CONTACT INDIANA "ONE CALL" (811) FOR MARKING OF UNDERGROUND UTILITY LOCATIONS. NOTIFY COR IF ANY VARIATION EXISTS.
  - THE CONTRACTOR SHALL PROTECT AND NOT DESTROY THE BASE SURVEY CONTROL POINTS DURING DEMOLITION AND CONSTRUCTION.
  - THE CONTRACTOR SHALL CLEAN PORTO ALEGRE, CONSTRUCTION LAYDOWN AREA AND ALL PARKING AREAS USED DURING CONSTRUCTION PRIOR TO COMPLETION OF PROJECT.

**NOTE:**  
 CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO ASPHALT CURB, SIDEWALK, PLANT MATERIAL, UTILITIES, ETC. AS A RESULT OF THE CONSTRUCTION WORK AS DIRECTED BY COR.

- ### PHASING NOTES
- CONTRACTOR TO INITIALLY OCCUPY STAGING AREA. GARAGE TO REMAIN OPEN TO PUBLIC DURING THIS PHASE. CONTRACTOR TO INSTALL PERIMETER FENCING AND ALL ELEMENTS NEEDED TO BEGIN CONSTRUCTION (CRANE TRAILER(S), DUMPSTERS, ETC.) ONCE CONTRACTOR HAS FULLY MOBILIZED, THEY WILL BE ALLOWED TO OCCUPY GARAGE CONSTRUCTION LIMITS.
  - GARAGE TO BE CLOSED TO PUBLIC AND CONTRACTOR TO BEGIN GARAGE EXPANSION.



- ### INSTALLATION
- REMOVE THE STORM SEWER GRATE AND PLACE THE FRAME INTO THE GRATE OPENING.
  - PLACE GEOTEXTILE FABRIC INTO THE FRAME AND SECURE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
  - REPLACE THE STORM SEWER GRATE.
- ### MAINTENANCE
- INSPECT DAILY.
  - REMOVE ACCUMULATED SEDIMENT AND DEBRIS AFTER EACH STORM EVENT. DEPOSIT SEDIMENT IN AN AREA WHERE IT WILL NOT RE-ENTER THE PAVED AREA OR STORM DRAINS.
  - REPLACE OR CLEAN GEOTEXTILE FABRIC AS NEEDED.
  - WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE INLET PROTECTION.

NOTE: CONTRACTOR TO USE FLEXSTORM CATCH-IT INLET PROTECTOR, DANDY BAG OR APPROVED ALTERNATE.

DROP-IN INLET PROTECTION TO BE USED IN PAVED AREAS.

### DROP-IN INLET PROTECTION DETAIL

**NOTE:**  
 CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT COR IF VARIATION EXISTS.

**CAUTION !!**  
 THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

### CONSTRUCTION STAGING PLAN



Revision Schedule	
Comments	Date

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Drawing Title	Construction Staging Plan
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Project Title	R.L. Roudebush VA Medical Center Parking Garage
Location	INDIANAPOLIS, IN
Date	10/14/14
Checked	DKK
Drawn	JLG

Project Number	583-330
Building Number	20
Drawing Number	CD-101
Dwg. 4 of 93	

Office of Construction and Facilities Management

## NON-COATED REINFORCING BAR DEVELOPMENT AND SPLICE LENGTHS

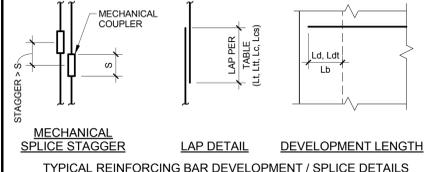
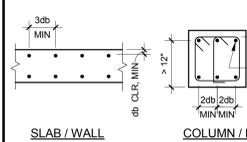
f'c = 4000 PSI					f'c = 5000 PSI					f'c = 6000 PSI					ALL CONCRETE STRENGTHS			
BAR SIZE	Ld	Ldt	Lt	Ltt	BAR SIZE	Ld	Ldt	Lt	Ltt	BAR SIZE	Ld	Ldt	Lt	Ltt	BAR SIZE	Lb	Lc	Lcs
#3	15	20	20	26	#4	17	23	23	29	#5	12	16	16	21	#3	9	12	12
#4	19	25	25	33	#5	22	29	29	38	#6	11	13	13	15	#4	11	13	12
#5	24	32	32	41	#6	26	34	34	44	#7	14	16	16	15	#5	14	16	15
#6	29	38	38	50	#7	38	50	50	65	#8	17	19	19	17	#6	17	19	17
#7	42	55	55	71	#8	43	56	56	73	#9	20	22	22	20	#7	20	22	20
#8	48	63	63	82	#9	48	63	63	82	#10	22	25	25	23	#8	22	25	23
#9	54	71	71	92	#10	54	71	71	92	#11	25	29	29	26	#9	25	29	26
#10	60	78	78	102	#11	59	77	77	100	#12	28	32	32	29	#10	28	32	29
#11	66	86	86	112						#13	31	35	35	31	#11	31	35	31

## EPOXY COATED REINFORCING BAR DEVELOPMENT AND SPLICE LENGTHS

f'c = 4000 PSI					f'c = 5000 PSI					f'c = 6000 PSI					ALL CONCRETE STRENGTHS			
BAR SIZE	Ld	Ldt	Lt	Ltt	BAR SIZE	Ld	Ldt	Lt	Ltt	BAR SIZE	Ld	Ldt	Lt	Ltt	BAR SIZE	Lb	Lc	Lcs
#3	22	29	29	38	#4	26	34	34	44	#5	18	24	24	31	#3	9	12	12
#4	29	38	38	50	#5	32	42	42	55	#6	24	32	32	41	#4	11	13	12
#5	36	47	47	61	#6	39	51	51	66	#7	30	39	39	51	#5	14	16	15
#6	43	56	56	73	#7	46	60	60	80	#8	35	46	46	60	#6	17	19	17
#7	63	82	82	107	#8	59	77	77	100	#9	51	67	67	87	#7	20	22	20
#8	72	94	94	122	#9	66	86	86	112	#10	55	73	73	95	#8	22	25	23
#9	81	106	106	137	#10	72	94	94	122	#11	66	86	86	112	#9	25	29	26
#10	89	116	116	151	#11	80	104	104	136	#12	73	95	95	124	#10	28	32	29
#11	98	128	128	165	#12	88	115	115	149	#13	80	104	104	136	#11	31	35	31

- NOTES:
- db = NOMINAL BAR DIAMETER  
Ld = TENSION DEVELOPMENT LENGTH  
Ldt = DEVELOPMENT LENGTH OF TOP BARS IN TENSION  
Lt = TENSION LAP SPlice LENGTH  
Ltt = TENSION LAP SPlice LENGTH OF TOP BARS  
Lb = COMPRESSION DEVELOPMENT LENGTH  
Lc = TIED COLUMN LAP SPlice IN COMPRESSION  
Lcs = SPIRAL COLUMN LAP SPlice IN COMPRESSION
  - REBAR DEVELOPMENT/SPLICE LENGTHS ARE BASED ON ACI 318. REINFORCEMENT YIELD STRENGTH, Fy = 60 KSI
  - "TOP BARS" = HORIZONTAL BEAM REINFORCING WITH MORE THAN 12" CAST BELOW
  - ALL SPLICES SHALL BE TENSION SPLICES, UNO.

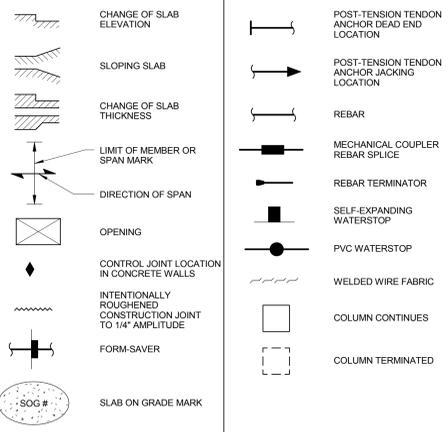
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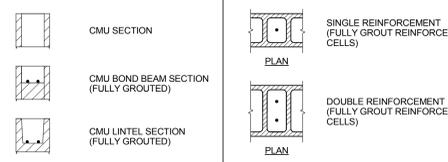
## CONNECTORS

CONNECTOR	SECTION	END/ALT VIEW
CAST-IN ANCHOR ROD		
POST-INSTALLED MECHANICAL ANCHOR		
POST INSTALLED ADHESIVE ANCHOR		
HEADED STUD		
BOLT		

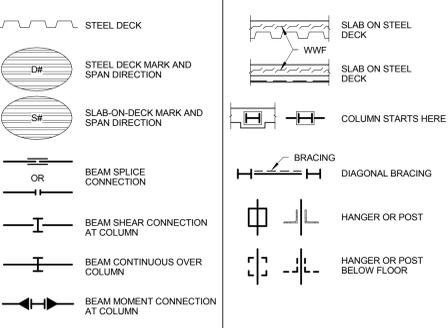
## CONCRETE SYMBOLS



## MASONRY MEMBERS



## STEEL SYMBOLS



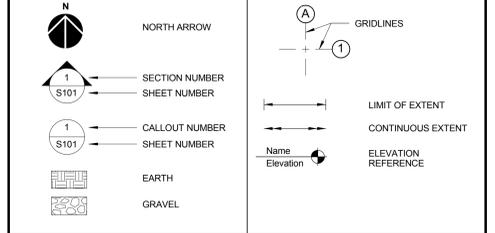
## STEEL MEMBERS

SHAPE	SECTION	ELEVATION	PLAN VIEW
W-SHAPE BEAM			
CHANNEL			
ANGLE			
DOUBLE ANGLE			
HOLLOW STRUCTURAL SECTION - RECTANGULAR			
HOLLOW STRUCTURAL SECTION - CIRCULAR (PIPE)			
OPEN WEB STEEL JOIST			

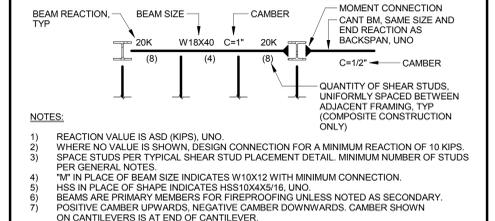
## STRUCTURAL DRAWINGS ABBREVIATIONS

&	AND	JST	JOIST
ARE	ARCHITECT/ENGINEER	JT	JOINT
ACI	AMERICAN CONCRETE INSTITUTE	KB	KNEE BRACE
ADDL	ADDITIONAL	KIP, K	1,000 POUNDS
ADJ	ADJACENT	KO	KNOCK-OUT
AGGR	AGGREGATE	KSI	KIPS PER SQUARE INCH
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	L	ANGLE OR LENGTH
ALT	ALTERNATE	LAB	LABORATORY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LB	POUND
APA	AMERICAN PLYWOOD ASSOCIATION	LF	LINEAL FOOT
APPROX	APPROXIMATE	LN	LINEAL INCH
ARCH	ARCHITECTURAL	LLH	LONG LEG HORIZONTAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LLV	LONG LEG VERTICAL
AWS	AMERICAN WELDING SOCIETY	LONGIT	LONGITUDINAL
BAL	BOTTOM OF BALANCE BOARD	LP	LOW POINT
BDG	BUILDING	LST	LAMINATED STRAND LUMBER
BLK	BLACK	LTV	LIGHT WEIGHT
BLKG	BLOCKING	LVL	LAMINATED VENEER LUMBER
BM	BEAM	MAS	MASONRY
BOT	BOTTOM	MATL	MATERIAL
BRG	BEARING	MAX	MAXIMUM
BRKT	BRACKET	MB	MACHINE BOLT
BTWN	BETWEEN	MC	MISCELLANEOUS CHANNEL
BU	BUILT UP	MECH	MECHANICAL
C	CANTILEVER	MEMB	MEMBRANE
CANT	CANT	MEP	MECHANICAL/ELECTRICAL/PLUMBING
CC	COMPLETE JOINT PENETRATION	MFR	MANUFACTURER
CF	COLD FORMED	MIN	MINIMUM
CG	CENTER OF GRAVITY	MISC	MISCELLANEOUS
CH	CAST-IN-PLACE	MO	MASONRY OPENING
CJP	COMPLETE JOINT OR CONSTRUCTION JOINT	MULT	MULTIPLE
CL	CENTERLINE	NA	NOT APPLICABLE
CLR	CLEARANCE, CLEAR	NOM	NOMINAL
CMU	CONCRETE MASONRY UNIT	NS	NEAR SIDE
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OC	OUTSIDE DIAMETER
CONN	CONNECTION	OF	OUTSIDE FACE
CONSTR	CONSTRUCTION	OPD	OVERFLOW DRAIN
CONT	CONTINUOUS	OH	OVERHEAD
CONTR	CONTRACTOR	OPNG	OPENING
CTR	CENTER	OPP	OPPOSITE
CTRD	CENTERED	OPPHD	OPPOSITE HAND
CUT FT	CUT FEET	ORIG	ORIGINAL
CYD	CUBIC YARD	OVS	OVERSIZED HOLE
DBA	DEFORMED BAR ANCHOR	OWJ	PRE-MANUFACTURED OPEN WEB JOIST
DEB	DOUBLE	PC	PRECAST CONCRETE
DEG	DEGREE	PERIM	PERIMETER
DEMO	DEMOLITION, DEMOLISH	PERP	PERPENDICULAR
DEPT	DEPARTMENT	PJP	PARTIAL JOINT PENETRATION
DET	DETAIL	PL	PLATE
DIA	DIAMETER	PLF	POUNDS PER LINEAL FOOT
DIAG	DIAGONAL	PLYWD	PLYWOOD
DIAPH	DIAPHRAGM	PREFAB	PREFABRICATED
DM	DIMENSION	PRELIM	PRELIMINARY
DN	DOWN	PREP	PREPARATION, PREPARE
DO	DITTO	PROJ	PROJECTION
DP	DEEP	PS	PRESTRESSED
DWG	DRAWING	PSF	POUNDS PER SQUARE FOOT
DWL	DOWELS	PSI	POUNDS PER SQUARE INCH
EA	EACH	PSL	PARALLEL STRAND LUMBER
EA	EACH FACE	PT	POST-TENSIONED
EL ELEV	ELEVATION	R	RADIUS
ELEC	ELECTRICAL	RD	ROOF DRAIN
ENCL	ENCLOSURE	REF	REFERENCE
ENGR	ENGINEER	REINF	REINFORCEMENT, REINFORCE
EOD	EDGE OF DECK	REQD	REQUIRED
EOJ	EDGE OF JOIST	RO	ROUGH OPENING
EOS	EDGE OF SLAB	RTU	ROOFTOP MECHANICAL UNIT
EQ	EQUAL	S	SLOPE
EQPT	EQUIPMENT	SCHED	SCHEDULE
ES	EACH SIDE	SECT	SECTION
EW	EACH WAY	SF	SQUARE FEET
EX	EXISTING	SHT	SHEET
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SOG	SLAB-ON-GRADE
FD	FLOOR DRAIN	SPA	SPACES, SPACE
FDN	FOUNDATION	SPECS	SPECIFICATIONS
FIN	FINISH	SQ	SQUARE
FLG	FLANGE	SS	STAINLESS STEEL
FLR	FLOOR	SSLT	SHORT SLOTTED HOLE
FS	FAR SIDE	STD	STANDARD
FT	FEET	STIFF	STIFFENER
FTG	FOOTING	STL	STEEL
FTGD	FOOTING DRAIN	STRUC	STRUCTURAL
FV	FIELD VERIFY	SYM	SYMMETRICAL
GA	GAUGE	T & B	TOP AND BOTTOM
GALV	GALVANIZED	T	TOP OF
GB	GRADE BEAM	T&B	TOP OF GRADE BEAM
GL	GLUED LAMINATED TIMBER (GLULAM)	TBS	MECHANICAL TENSION BUTT SPLICE
GRND	GROUND	TEMP	TEMPERATURE
GT	GIRDER TRUSS	THRU	THROUGH
HAS	HEADED ANCHOR STUD	TJ	PREFABRICATED WOOD I-JOIST
HORIZ	HORIZONTAL	TRANS	TRANSVERSE
HP	HIGH POINT	TYP	TYPICAL
HSS	HOLLOW STRUCTURAL SECTION	UL	UNDERWRITERS' LABORATORY INC.
HT	HIP TRUSS	UNO	UNLESS NOTED OTHERWISE
HVAC	HEATING, VENTILATION, AIR CONDITIONING	UT	ULTRA-SONIC TEST
ID	INSIDE DIAMETER	V	VERTICAL
IF	INSIDE FACE	W	WIDE FLANGE
IN	INCH	W/	WITH
INCL	INCLUDE	WO	WITHOUT
INFO	INFORMATION	WD	WOOD
INSUL	INSULATION	WH	WEEP HOLE
INT	INTERIOR	WP	WORK POINT
JBRG	JOIST BEARING	WT	WEIGHT, STRUCTURAL T
		WWF	WELDED WIRE FABRIC
		XS	EXTRA STRONG (PIPE)
		XXS	DOUBLE EXTRA STRONG (PIPE)

## MISCELLANEOUS SYMBOLS



## BEAM LEGEND



## STRUCTURAL INDEX

SHEET #	ABBREVIATIONS AND SYMBOLS	SHEET NAME
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## DEDUCT ALTERNATES

- NOT ALL DEDUCT SYMBOLS WILL BE USED ON EACH SHEET
- REDUCE QUANTITY OF FIRE RATED GLAZING IN DOOR STAIRS PER DRAWINGS.
  - REDUCE INTENSITY / OUTPUT OF LIGHTING AT GARAGE ENTRY PER DRAWINGS.
  - REMOVE SECURITY CAMERAS AND ASSOCIATED WIRING FROM THE PROJECT SCOPE.
  - REMOVE NEW ARCHITECTURAL GRILLES FROM 4TH AND 5TH LEVELS FROM PROJECT SCOPE.
  - REMOVE SECOND ELEVATOR IN EXPANDED PARKING GARAGE FROM PROJECT SCOPE.
  - REMOVE 6TH FLOOR OF PARKING GARAGE EXPANSION FROM PROJECT SCOPE.

## BID DOCUMENTS

<p>Revision Schedule</p> <table border="1"> <thead> <tr> <th>Comments</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Comments	Date			<p>CONSULTANTS:</p>	<p>TRUE NORTH</p>	<p>ARCHITECT/ENGINEERS:</p> <p>7200 Shadeland Station   Indianapolis, Indiana 46256 TEL: 317.847.2580   FAX: 317.543.0270 www.structurepoint.com</p>	<p>Drawing Title</p> <p>ABBREVIATIONS AND SYMBOLS</p>	<p>Project Title</p> <p>R.L. Roudebush VA Medical Center Parking Garage</p>	<p>Project Number</p> <p>583-330</p>	<p>Building Number</p> <p>20</p>	<p>Office of Construction and Facilities Management</p>
Comments	Date											
<p>Date</p> <p>10/14/14</p>	<p>Checked</p> <p>JAP</p>	<p>Drawn</p> <p>BGC</p>	<p>Drawing Number</p> <p>S1001</p>	<p>Dwg. 5 of 93</p>	<p>Location</p> <p>INDIANAPOLIS, IN</p>	<p>Department of Veterans Affairs</p>						



SPECIAL INSPECTION SERVICES SCHEDULE - STEEL CONSTRUCTION				
REFERENCED STANDARDS PER IBC, CHAPTER 17				
VERIFICATION AND INSPECTION TASK	TEST / INSPECTION	DESCRIPTION OF TEST / INSPECTION	APPLICABLE TO PROJECT (Y/N)	FREQUENCY
FABRICATOR QUALITY CONTROL PROCESS	INSPECTION	VERIFY THE FABRICATOR MEETS AISC CERTIFIED FABRICATOR REQUIREMENT LISTED IN THE PROJECT SPECIFICATIONS.	Y	ONE-TIME
QUALITY	INSPECTION	VISUALLY INSPECT STEEL AS IT IS RECEIVED FOR POSSIBLE DAMAGE IN SHIPPING, WORKMANSHIP, AND PIECE MARKING.	Y	PERIODIC
MILL TEST REPORTS	INSPECTION	REVIEW CERTIFIED MILL TEST REPORTS AND IDENTIFICATION MARKINGS ON WIDE-FLANGE SHAPES, HIGH-STRENGTH BOLTS, NUTS AND WELDING ELECTRODES.	Y	PERIODIC
WELDED CONNECTIONS	INSPECTION	INSPECT FIELD WELDED CONNECTIONS AS FOLLOWS:		
		INSPECT <100%> OF COMPLETE JOINT PENETRATION FIELD WELDS. ULTRASONIC TESTING OF ALL COMPLETE PENETRATIONS WELDS.	Y	CONTINUOUS
		INSPECT <100%> OF PARTIAL JOINT PENETRATION FIELD WELDS.	Y	CONTINUOUS
		INSPECT <100%> OF FILLET FIELD WELDS IN LATERAL-LOAD-RESISTING BRACED FRAMES AND MOMENT FRAMES.	N	CONTINUOUS
		INSPECT <100%> OF OTHER FILLET FIELD WELDS.	Y	PERIODIC
		PERFORM PRE-WELDING INSPECTIONS TO VERIFY THAT MATERIALS (I.E. STRUCTURAL STEEL, WELD FILLER MATERIAL, ETC.), WELDING PROCEDURES, AND WELDING PERSONNEL QUALIFICATIONS ARE APPROPRIATE.	Y	PERIODIC
		VISUALLY INSPECT FIELD WELDS ACCORDING TO AWS D1.1/D1.1M.	Y	PERIODIC
		VERIFY WELDING PROCEDURES ARE IN ACCORDANCE WITH AWS REQUIREMENTS.	Y	PERIODIC
		INSPECT PRE-HEAT, POST-HEAT AND SURFACE PREPARATION BETWEEN PASSES.	Y	PERIODIC
		VERIFY SIZE AND LENGTH OF FILLET WELDS.	Y	PERIODIC
BOLTED CONNECTIONS	INSPECTION	VERIFY THAT WELDS ARE CLEAN; WELDER IDENTIFICATION IS LEGIBLE; SIZE, LENGTH AND LOCATION OF WELDS; VERIFY THAT WELDS MEET ACCEPTANCE CRITERIA; PLACEMENT OF REINFORCEMENT FILLETS; REMOVAL OF BACKING BARS AND WELD TABS AS REQUIRED; AND REPAIR ACTIVITIES.	Y	PERIODIC
		INSPECT BOLTED CONNECTIONS AS FOLLOWS:		
		INSPECT <100%> OF ALL PRE-TENSIONED AND SLIP-CRITICAL BOLTED CONNECTIONS.	N	CONTINUOUS
		INSPECT <100%> OF BOLTED CONNECTIONS IN LATERAL-LOAD-RESISTING BRACED FRAMES AND MOMENT FRAMES.	N	PERIODIC
		INSPECT <20%> OF ALL OTHER BOLTED CONNECTIONS.	Y	
		FOR SLIP-CRITICAL BOLTED CONNECTIONS, VERIFY INSTALLATION IS PERFORMED IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS:		
		TURN-OF-NUT, ACCORDING TO RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS."	N	
		CALIBRATED WRENCH, ACCORDING TO RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS."	N	CONTINUOUS
		DIRECT-TENSION CONTROL BOLT, ASTM F 1982.	N	
		TWIST-OFF TENSION CONTROL BOLT, ASTM F 1982.	N	
MEMBERS SIZES AND GRADE	INSPECTION	FOR ALL BOLTED CONNECTIONS, VERIFY QUANTITY, SIZE AND GRADE OF BOLTS, REQUIRED SURFACE PREPARATION AND PROPER FIT-UP OF CONNECTED ELEMENTS.	Y	PERIODIC
		VERIFY THAT STEEL MEMBER SIZES AND STEEL GRADE CONFORM TO THE CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS.	Y	PERIODIC
STEEL FRAMING, DETAILS AND CONNECTORS	INSPECTION	INSPECT STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING BRACING, MEMBER CONFIGURATION AND CONNECTION DETAILS AS FOLLOWS:		
		CHECK THE INSTALLATION OF BASE PLATES FOR PROPER LEVELING AND VERIFY PROPER GROUT TYPE AND INSTALLATION PROCEDURES ARE FOLLOWED.	N	PERIODIC
		INSPECT <100%> OF BEAM AND GIRDER CONSTRUCTION AND ASSEMBLIES.	Y	PERIODIC
		INSPECT <100%> OF ALL BRACED FRAME AND MOMENT FRAME ASSEMBLIES.	N	CONTINUOUS
COMPOSITE BEAM SHEAR CONNECTORS	TEST	INSPECT <100%> OF THE COLUMN SPLICES AND BASE JOINTS FOR VERIFICATION THAT GAPS IN CONTACT BEARING DO NOT EXCEED 1/16 INCH. GAPS GREATER THAN 1/16 INCH SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR ASSESSMENT.	N	CONTINUOUS
		INSPECT COMPOSITE STEEL BEAM SHEAR CONNECTORS AS FOLLOWS:		
		OBSERVE THE WELDING OF SHEAR CONNECTORS. INSPECT STUDS FOR FULL 360 DEGREE FLASH.	N	CONTINUOUS
		INSPECT SIZE, NUMBER, POSITIONING AND WELDING OF SHEAR CONNECTORS.	N	CONTINUOUS
		RING TEST <100%> OF SHEAR CONNECTORS WITH A 3 LB HAMMER.	N	PERIODIC
GRATING	INSPECTION	BEND TEST ALL QUESTIONABLE STUDS TO 15 DEGREES.	N	CONTINUOUS
		INSPECT STEEL GRATING AS FOLLOWS:		
		VISUALLY INSPECT THE GRATING FOR DAMAGE DURING SHIPPING.	N	PERIODIC
		VERIFY THAT THE GRATING DEPTH, TYPE OR PROPERTIES, AND FINISH COMPLY WITH THE CONTRACT DOCUMENTS AND/OR APPROVED SHOP DRAWINGS.	N	PERIODIC
		VERIFY ALL GRATING ATTACHMENT TO THE SUPPORTING CONCRETE, STEEL, AND/OR MASONRY AS SPECIFIED IN THE CONTRACT DOCUMENTS AND/OR APPROVED SHOP DRAWINGS.	N	PERIODIC

SPECIAL INSPECTION SERVICES SCHEDULE - STEEL ROOF DECK				
REFERENCED STANDARDS PER IBC, CHAPTER 17				
VERIFICATION AND INSPECTION TASK	TEST / INSPECTION	DESCRIPTION OF TEST / INSPECTION	APPLICABLE TO PROJECT (Y/N)	FREQUENCY
QUALITY	INSPECTION	VISUALLY INSPECT THE DECK PRIOR TO INSTALLATION FOR DAMAGE.	Y	PERIODIC
DECK MATERIAL	INSPECTION	VERIFY THAT THE DECK DEPTH, GAUGE, TYPE, PROPERTIES, AND FINISH COMPLY WITH THE CONTRACT DOCUMENTS.	Y	PERIODIC
DECK ATTACHMENT	INSPECTION	VERIFY THAT THE DECK ATTACHMENT TO THE SUPPORTING STEEL IS AS SPECIFIED IN THE CONTRACT DOCUMENTS.	Y	PERIODIC
DECK SUPPORT	INSPECTION	VERIFY THAT THE PROPER DECK SUPPORT IS USED AROUND OPENINGS.	Y	PERIODIC
DECK ACCESSORIES	INSPECTION	VERIFY THAT DECK ACCESSORIES ARE BEING INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS.	Y	PERIODIC

SPECIAL INSPECTION SERVICES SCHEDULE - CONCRETE CONSTRUCTION				
REFERENCED STANDARDS PER IBC, CHAPTER 17				
VERIFICATION AND INSPECTION TASK	TEST / INSPECTION	DESCRIPTION OF TEST / INSPECTION	APPLICABLE TO PROJECT (Y/N)	FREQUENCY
MATERIAL TESTING	TEST	REFERENCE CAST-IN-PLACE CONCRETE SPECIFICATION FOR EXTENT OF TESTING REQUIRED.		
QUALITY CONTROL	INSPECTION	VERIFY THAT QUALITY CONTROL TESTING IS PROVIDED IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.	Y	PERIODIC
REINFORCING STEEL	INSPECTION	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS (WHEN USED) AND PLACEMENT AS FOLLOWS:		
		VERIFY THAT REINFORCEMENT SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY. IF OILING OF FORMS IS REQUIRED, VERIFY THAT IT IS APPLIED BEFORE REINFORCING IS PLACED.	Y	PERIODIC
		VERIFY REINFORCING BARS FOR COMPLIANCE WITH CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS AS FOLLOWS:		
		MATERIAL GRADE, SIZE, QUANTITY, SPACING, AND LAYERING. BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS; PROPER HOOK TYPE AND LOCATION; SPLICE LOCATIONS AND REQUIRED LENGTH OF LAP; PROPER CLEARANCE AND COVER REQUIREMENTS FROM CONCRETE SURFACES; SUFFICIENT SPACING BETWEEN REINFORCEMENT FOR CONCRETE PLACEMENT; VERIFY THAT UNSCHEDULED/ADDITIONAL REINFORCING BARS SHOWN ON PLAN, IN DETAILS, OR SPECIFIED IN NOTES ARE PROVIDED AND ARE IN COMPLIANCE WITH CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS.	Y	PERIODIC
		MECHANICAL SPLICES:		
		(TENSION AND/OR COMPRESSION) ON THE PROJECT, VERIFY COMPLIANCE WITH SPECIFICATIONS AND CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION, VERIFY THAT THE MANUFACTURER IS PRESENT FOR THE FIRST INSTALLATION OF EACH TYPE OF SPLICE ON THE PROJECT.	Y	CONTINUOUS
		VERIFY THAT WELDED WIRE REINFORCEMENT IS COMPOSED OF FLAT SHEETS, HAS PROPER WIRE GAUGE AND SPACING, IS PROPERLY SUPPORTED, AND IS PROPERLY LAPPED.	N	PERIODIC
		INSPECT HEADED STUD SHEAR REINFORCEMENT TO ENSURE THAT IT CONFORMS TO THE PROJECT REQUIREMENTS.		
		REVIEW TYPE AND SPACING; VERIFY THAT REINFORCING IS ADEQUATELY SUPPORTED TO RESIST DISPLACEMENT OR SHIFTING DURING CONCRETE PLACEMENT; VERIFY WELDING OF REINFORCEMENT IS PERFORMED ACCORDING TO AWS REQUIREMENTS AND THAT IT IS INSPECTED BY THE TESTING LABORATORY.	Y	PERIODIC
		CAST-IN-PLACE BOLTS AND ANCHOR RODS	INSPECTION	INSPECT BOLTS AND ANCHOR RODS TO BE CAST IN CONCRETE PRIOR TO PLACEMENT OF CONCRETE FOR SIZE, QUANTITY, LOCATION, POSITION AND EMBEDMENT. INSPECT DURING PLACEMENT FOR PROPER CONCRETE CONSOLIDATION AROUND BOLTS AND ANCHORS.
ALLOWABLE LOADS HAVE BEEN INCREASED PER PLAN NOTES.	Y			CONTINUOUS
CONCRETE MIX DESIGN	INSPECTION	BOLTS AND/OR ANCHOR RODS USED IN LATERAL FORCE RESISTING SYSTEM AT THE FOLLOWING LOCATIONS: <LIST GRID LOCATIONS>	N	CONTINUOUS
		<20%> OF BOLTS AND/OR ANCHOR RODS USED ELSEWHERE.	Y	PERIODIC
INSPECTION OF FORMED AREA	INSPECTION	VERIFY THAT ALL DEBRIS AND FOREIGN MATTER HAVE BEEN REMOVED BEFORE CONCRETE IS PLACED.	Y	PERIODIC
FORMWORK	INSPECTION	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. VERIFY FORMWORK USED IN COMPLIANCE WITH THE SPECIFICATIONS AND APPROVED SHOP DRAWINGS (WHEN REQUIRED).	Y	PERIODIC
MATERIAL SAMPLING AND TESTING	TEST	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	CONTINUOUS
CONCRETE PLACEMENT	INSPECTION	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES AS FOLLOWS:		
		VERIFY THE CONCRETE IS NOT OVER 90 MINUTES OLD AT TIME OF PLACEMENT; HOT WEATHER OR COLD WEATHER TECHNIQUES ARE BEING APPLIED AS REQUIRED; CONCRETE BEING DEPOSITED IN UNIFORM, THAT THE VERTICAL DROP DOES NOT EXCEED SIX FEET, AND THAT CONCRETE IS NOT PERMITTED TO DROP FREELY OVER REINFORCEMENT; CONCRETE IS PROPERLY VIBRATED; EMBEDDED ITEMS AND REINFORCING STEEL ARE NOT ADVERSELY ALTERED DURING PLACEMENT. NOTE IF ANYTHING WAS DISPLACED OR OTHERWISE ALTERED DURING PLACEMENT; VERIFY THAT THERE ARE NO COLD JOINTS WITHIN THE AREA OF THE POUR.	Y	CONTINUOUS
CURING AND PROTECTION	INSPECTION	VERIFY THE CURING PROCESS IS AS SPECIFIED IN THE CONTRACT DOCUMENTS AND THAT ANY CURING COMPOUND USED IS APPLIED IN ACCORDANCE WITH MANUFACTURER'S PRINTED APPLICATION INSTRUCTIONS.	Y	PERIODIC
CONSTRUCTION JOINTS	INSPECTION	VERIFY THAT LOCATION OF VERTICAL AND HORIZONTAL CONSTRUCTION JOINTS FOR COMPLIANCE WITH THE CONSTRUCTION JOINT LOCATION PLAN SUBMITTED BY THE CONTRACTOR TO ENGINEER OF RECORD. VERIFY THAT REINFORCEMENT, DOWELS, KEYS, AND BUSHINGS AT CONSTRUCTION JOINTS ARE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.	Y	PERIODIC

SPECIAL INSPECTION SERVICES SCHEDULE - MASONRY CONSTRUCTION (LEVEL 1 INSPECTION)				
REFERENCED STANDARDS PER IBC, CHAPTER 17				
VERIFICATION AND INSPECTION TASK	TEST / INSPECTION	DESCRIPTION OF TEST / INSPECTION	APPLICABLE TO PROJECT (Y/N)	FREQUENCY
MATERIAL TESTING	TEST	REFERENCE MASONRY SPECIFICATION FOR EXTENT OF TESTING REQUIRED.		
QUALITY CONTROL	INSPECTION	VERIFY THAT QUALITY CONTROL TESTING IS PROVIDED IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.	Y	PERIODIC
MATERIALS	INSPECTION	VERIFY THE MATERIALS ARE STORED PROPERLY BEFORE PLACEMENT IN THE STRUCTURE.	Y	PERIODIC
WALL LOCATIONS	INSPECTION	VERIFY THE WALL LOCATIONS AND THICKNESSES.	Y	PERIODIC
CONTROL JOINTS	INSPECTION	VERIFY THE PROPER INSTALLATION OF CONTROL JOINTS, TYPE AND LOCATION.	Y	PERIODIC
OPENINGS	INSPECTION	VERIFY THE PROPER INSTALLATION OF STRUCTURAL ELEMENTS AROUND OPENINGS INCLUDING LINTELS, SILLS, AND DOOR OR WINDOW JAMBS INCLUDING MASONRY UNIT TYPE AND REINFORCEMENT.	Y	PERIODIC
CONNECTIONS	INSPECTION	VERIFY THE MASONRY IS PROPERLY CONNECTED TO THE SUPPORTING STRUCTURE(S).	Y	PERIODIC
REINFORCING STEEL	INSPECTION	INSPECTION OF REINFORCING STEEL AND PLACEMENT AS FOLLOWS:		
		VERIFY THAT REINFORCEMENT SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY.	Y	PERIODIC
		VERIFY REINFORCING BARS AND HORIZONTAL JOINT REINFORCEMENT FOR COMPLIANCE WITH CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS AS FOLLOWS:		
EMBEDDED ITEMS	INSPECTION	MATERIAL GRADE, SIZE, QUANTITY, SPACING, AND LAYERING. BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS AND CENTERED AS REQUIRED; PROPER HOOK TYPE AND LOCATION; SPLICE LOCATIONS AND REQUIRED LENGTH OF LAP; PROPER CLEARANCE AND COVER REQUIREMENTS FROM MASONRY SURFACES; SUFFICIENT SPACING BETWEEN REINFORCEMENT FOR GROUT PLACEMENT; VERIFY THAT UNSCHEDULED/ADDITIONAL REINFORCING BARS SHOWN ON PLAN, IN DETAILS, OR SPECIFIED IN NOTES ARE PROVIDED AND ARE IN COMPLIANCE WITH CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS.	Y	PERIODIC
		INSPECT EMBEDDED ITEMS TO BE CAST IN MASONRY PRIOR TO PLACEMENT OF GROUT FOR SIZE, QUANTITY, LOCATION, POSITION AND EMBEDMENT. INSPECT DURING PLACEMENT FOR PROPER GROUT CONSOLIDATION EMBEDDED ITEMS.		
MORTAR AND GROUT	INSPECTION	INSPECT THE MORTAR AND GROUT USED ON THE PROJECT AS FOLLOWS:		
		VERIFY THAT MORTAR AND GROUT MATERIALS COMPLY WITH THE CONTRACT DOCUMENTS AND APPROVED SUBMITTALS.	Y	PERIODIC
		SITE-MIXED MORTAR: VERIFY THE MORTAR IS MIXED IN ACCORDANCE WITH SPECIFIED PROPORTIONS.	Y	PERIODIC
		BAG-MIX MORTAR: VERIFY THE MORTAR IS MIXED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.	Y	PERIODIC
		VERIFY PROPER MORTAR PLACEMENT.	Y	PERIODIC
		GROUT BAG MIX: VERIFY THAT THE GROUT IS MIXED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.	Y	PERIODIC
PROTECTION	INSPECTION	READY-MIX GROUT: VERIFY THE MIX NUMBER AND GROUT STRENGTH.	Y	PERIODIC
		PRIOR TO ANY GROUTING PROCEDURE, INSPECT THE GROUT SPACE TO VERIFY THAT IT IS CLEAN AND THAT CLEANOUTS, IF REQUIRED, ARE IN PLACE AND CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.	Y	PERIODIC
		VERIFY THE PROPER GROUT PLACEMENT AND CONSOLIDATION.	Y	CONTINUOUS
		VERIFY THAT GROUT TESTING IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.	Y	PERIODIC
		VERIFY THE PROPER CONSTRUCTION TECHNIQUES ARE FOLLOWED FOR PROTECTION OF MASONRY DURING HOT-WEATHER AND/OR COLD-WEATHER CONSTRUCTION.	Y	PERIODIC

**SPECIAL INSPECTION**

SPECIAL INSPECTION IS A MANDATORY REQUIREMENT BY SECTION 1704.1 OF THE REFERENCED BUILDING CODE FOR VERIFYING CONFORMANCE OF THE INDICATED CONSTRUCTION. SPECIAL INSPECTION IS REQUIRED IN ADDITION TO ALL MATERIAL TESTS AND INSPECTIONS IDENTIFIED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.

THE GENERAL CONTRACTOR SHALL ALLOY INDEPENDENT AGENCY(IES) OR INDIVIDUAL(S) TO PROVIDE SPECIAL INSPECTION FOR ITEMS AS INDICATED ON THE DRAWINGS. SPECIAL INSPECTIONS SHALL NOT BE CONSIDERED IN THE SCOPE OF WORK OF THE CONTRACTOR.

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON, WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER, FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

"PERIODIC" SPECIAL INSPECTION IS DEFINED AS "THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK." THE PERIODIC PERCENTAGES LISTED IN THE TABLES ARE A MINIMUM REQUIREMENT.

"CONTINUOUS" SPECIAL INSPECTION IS DEFINED AS "THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED."

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK REQUIRING SPECIAL INSPECTION FOR CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. ALL NON-COMFORMING WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, TO THE IMMEDIATE ATTENTION OF THE STRUCTURAL ENGINEER.

THE SPECIAL INSPECTOR SHALL SUBMIT PERIODIC PROGRESS REPORTS TO THE OWNER AND STRUCTURAL ENGINEER IDENTIFYING ALL SPECIAL INSPECTION OPERATIONS PERFORMED. REPORTS SHALL BE SUBMITTED NO MORE THAN 7 DAYS FOLLOWING EACH SPECIAL INSPECTION OPERATION. REPORTS SHALL IDENTIFY THE ITEM(S) INSPECTED AND AN INDICATION OF WHETHER THE INSPECTED ITEMS WERE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

AT THE COMPLETION OF ALL WORK REQUIRING SPECIAL INSPECTION, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL, SIGNED REPORT TO THE OWNER AND STRUCTURAL ENGINEER STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

FAILURE TO CORRECT NON-COMFORMING WORK SHALL CONSTITUTE A BASIS FOR REJECTION OF THE WORK AND REMOVAL AND REPLACEMENT BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, INCLUDING:

1. THE COST OF REMOVAL AND REPLACEMENT OF ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED DUE TO LACK OF COMMUNICATION BY THE CONTRACTOR, INCLUDING THE COST OF TESTING AND SPECIAL INSPECTION FOR THE REPLACEMENT WORK.
2. THE COST OF ALL RELATED WORK MADE NECESSARY BY THE REMOVAL AND REPLACEMENT OF THE UNSPECTED WORK PER ITEM 1 ABOVE.
3. THE COST FOR DESIGN PROFESSIONAL'S SERVICES RELATED TO ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED AND SERVICES RELATED TO THE REPLACEMENT WORK.

CONFLICTING REQUIREMENTS, REPORTS, AND TEST RESULTS:

1. GENERAL: IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR A DECISION BEFORE PROCEEDING.
2. THE INSPECTOR'S REPORTS AND TESTING AGENCIES RESULTS SHALL HAVE PRECEDENCE OVER REPORTS AND TEST RESULTS PROVIDED BY THE CONTRACTOR.
3. WHERE A CONFLICT EXISTS BETWEEN THE CONSTRUCTION DOCUMENTS AND APPROVED SHOP DRAWINGS / SUBMITTAL DATA, THE CONSTRUCTION DOCUMENTS SHALL GOVERN UNLESS THE SHOP DRAWINGS / SUBMITTAL DATA ARE MORE RESTRICTIVE. ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
4. WHERE A CONFLICT EXISTS BETWEEN INDIVIDUAL SPECIFICATION SECTIONS AND THIS SPECIFICATION, PROVIDE TESTING AND INSPECTION TO SATISFY THE MORE STRINGENT REQUIREMENTS.

PROVIDE SPECIAL INSPECTION FOR THE FOLLOWING CONSTRUCTION:

CONCRETE MASONRY - LEVEL 1  
CONCRETE  
STRUCTURAL STEEL  
STEEL ROOF DECK

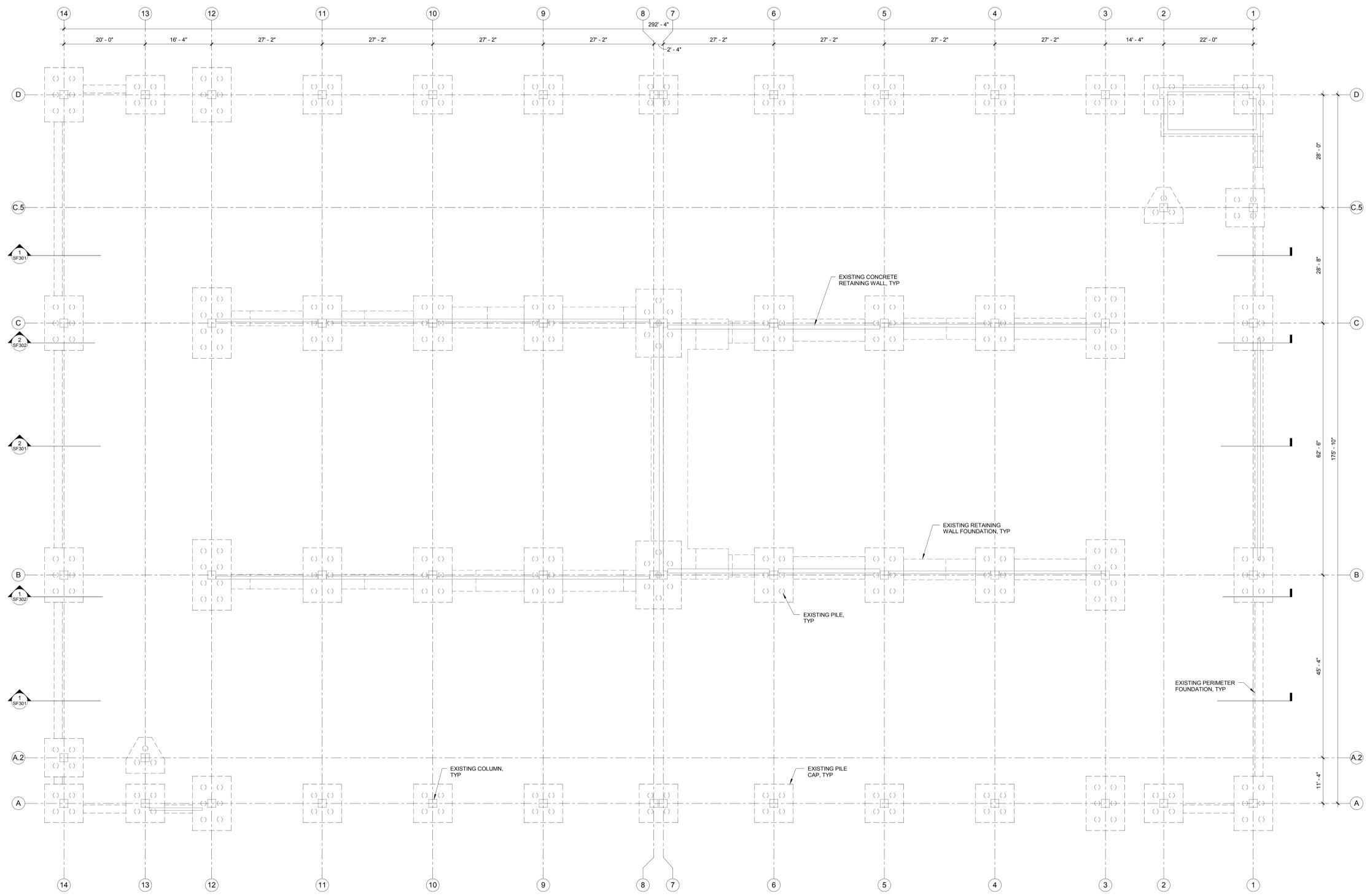
SEE TABLE(S) ON THE DRAWINGS FOR STRUCTURAL SPECIAL INSPECTION PROGRAM REQUIREMENTS. REFER TO OTHER DISCIPLINES CONSTRUCTION DOCUMENTS FOR SPECIAL INSPECTION REQUIREMENTS FOR NON-STRUCTURAL WORK.

one eighth inch = one foot  
one quarter inch = one foot  
one half inch = one foot  
three quarters inch = one foot  
one inch = one foot  
one and one half inches = one foot  
two inches = one foot  
two and one half inches = one foot  
three inches = one foot  
three and one half inches = one foot  
four inches = one foot  
four and one half inches = one foot  
five inches = one foot  
five and one half inches = one foot  
six inches = one foot  
six and one half inches = one foot  
seven inches = one foot  
seven and one half inches = one foot  
eight inches = one foot  
eight and one half inches = one foot  
nine inches = one foot  
nine and one half inches = one foot  
ten inches = one foot  
ten and one half inches = one foot  
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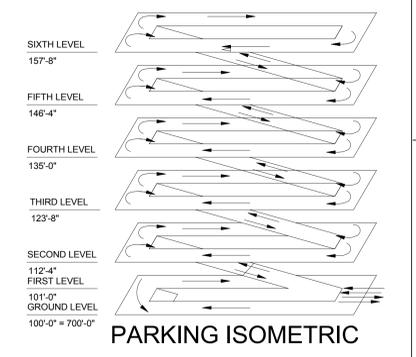
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**1 EXISTING FOUNDATION PLAN**  
 SB101 3/32" = 1'-0"

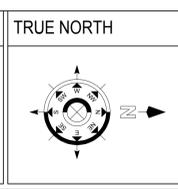
- PLAN NOTES:**
- ELEVATIONS LISTED ON THE ISOMETRIC AND PLAN ARE DESIGN ELEVATIONS GIVEN FOR THE EXISTING STRUCTURE ON THE ORIGINAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING, TO THE EXTENT REQUIRED, SPOT ELEVATIONS THROUGHOUT THE STRUCTURE. RELATIVE FLOOR-TO-FLOOR HEIGHTS MUST BE MAINTAINED AS SHOWN.
  - REFER TO ARCHITECTURAL DEMOLITION PLAN FOR ALL REQUIRED DEMOLITION PRIOR TO VERTICAL EXPANSION.



BID DOCUMENTS

Revision Schedule	Comments	Date

**CONSULTANTS:**



**ARCHITECT/ENGINEERS:**

7200 Shadeland Station | Indianapolis, Indiana 46256  
 TEL: 317.847.5580 | FAX: 317.543.0270  
 www.structurepoint.com

Drawing Title	EXISTING FOUNDATION PLAN
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Project Title	R.L. Roudebush VA Medical Center Parking Garage
Location	INDIANAPOLIS, IN
Date	10/14/14
Checked	JAP
Drawn	BGC

Project Number	583-330
Building Number	20
Drawing Number	SB101
Dwg. 9 of 93	

Office of Construction and Facilities Management

