

ABBREVIATIONS

ADDL	ADDITIONAL
ADJ	ADJACENT
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
B PL	BASE PLATE
BTM	BOTTOM
BFR	BLENDED FIBER REINFORCING
BLDG	BUILDING
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CIP	CAST IN PLACE
CLR	CENTER LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT (ION)
CONST JT	CONSTRUCTION JOINT
CONT	CONTINUOUS OR CONTINUE
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
EACH	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FL	FLOOR FINISH
FDTN	FOUNDATION
FLR	FLOOR
FULL	FULL PENETRATION
FT	FOOT/FEET
GAGE	GAGE
GALV	GALVANIZED
GB	GRADE BEAM
HORIZ	HORIZONTAL
HIP	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
INSUL	INSULATED (ION)
INV	INVERT
JT	JOINT
K	KIPS
L	ANGLE
LBS	POUNDS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LONG SIDE
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LWT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL ELECTRICAL & PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NO	NOMINAL
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
PCF	POUNDS PER CUBIC FOOT
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST TENSION
QTY	QUANTITY
RD	ROOF DRAIN
REF	REFERENCE
REIN	REINFORCE (D) (ING)
REQD	REQUIRED
REV	REVISION
RO	ROUGH OPENING
SC	SUB CRITICAL
SECT	SECTION
SM	SIMILAR
SJ	SEISMIC JOINT
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SYMM	SYMMETRICAL
T	TOP
T&B	TOP AND BOTTOM
THK	THICK (NESS)
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VF	VERIFY IN FIELD
W	WIDE FLANGE SECTION
WO	WITHOUT
WP	WORK POINT
WT	TEE SECTION
WWF	WELDED WIRE FABRIC

STRUCTURAL DESIGN LOADS

BUILDING CODE: IBC 2012 WITH DEPARTMENT OF VETERANS AFFAIRS SUPPLEMENTS		
OCCUPANCY CATEGORY IV		
BUILDING IS NOT DESIGNED FOR ADDITIONAL FUTURE VERTICAL EXPANSION		
BUILDING IS NOT DESIGNED FOR ADDITIONAL FUTURE HORIZONTAL EXPANSION		
SUPERIMPOSED DEAD LOADS		
NEW LEVEL 09 ROOF		
ROOFING MATERIALS	10 PSF	
MECHANICAL ITEMS SUSPENDED FROM ROOF FRAMING:	5 PSF	
LEVEL 08		
PORCELAIN PAVER SYSTEM	10 PSF	
ROOFING MATERIALS	10 PSF	
2" TOPPING SLAB	25 PSF	
EXISTING CEILINGS SUSPENDED FROM LEVEL 08	10 PSF	
MECHANICAL ITEMS SUSPENDED FROM LEVEL 08 FRAMING:	7 PSF	
SUPERIMPOSED LIVE LOADS (INCLUDING PARTITION LOADS)		
PUBLIC SPACES	100 PSF	
ROOF LIVE LOAD	20 PSF	
LIVE LOAD REDUCTIONS ARE TAKEN IN ACCORDANCE WITH BUILDING CODE SECTION		

SNOW LOADS

- GROUND SNOW LOAD, $P_g = 50$
 - SNOW EXPOSURE FACTOR, $C_e = 1.0$
 - THERMAL FACTOR, $C_t = 1.2$
 - SNOW IMPORTANCE FACTOR, $I = 1.2$
 - FLAT ROOF SNOW LOAD, $P_f = 50.0$
 - SNOW DRIFTING LOADING NEED NOT BE CONSIDERED
- WIND LOADS
- BASIC WIND SPEED = 120 MPH
 - WIND EXPOSURE CATEGORY = C
 - INTERNAL PRESSURE COEFFICIENT = ± 0.18
 - WIND PRESSURE COMPONENTS AND CLADDING:
INTERIOR ZONE: $P = + \frac{1}{16} \text{ PSF}$, $P = - \frac{1}{16} \text{ PSF}$
END ZONE: $P = + \frac{1}{16} \text{ PSF}$, $P = - \frac{1}{16} \text{ PSF}$

(PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY. END ZONES EXTEND FROM CORNERS OF BUILDING A DISTANCE EQUAL TO 10% OF LEAST HORIZONTAL BUILDING DIMENSION, BUT NOT LESS THAN 3 FT.)

- WIND LOADS ARE BASED ON ASCE 7-10, DIRECTIONAL PROCEDURE

EARTHQUAKE DESIGN DATA

- SEISMIC IMPORTANCE FACTOR, $I = 1.5$
- SPECTRAL RESPONSE ACCELERATIONS
 $S_s = 0.143$
 $S_1 = 0.062$
- SITE CLASSIFICATION = C PER USGS GROUND MOTION MAPS.
- DESIGN SPECTRAL RESPONSE ACCELERATIONS
 $S_{DS} = 0.153$
 $S_{D1} = 0.099$
- SEISMIC DESIGN CATEGORY = C
- BASIC SEISMIC FORCE RESISTING SYSTEM(S)
NORTH-SOUTH DIRECTION
STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION COEFFICIENT, $R = 3$
SYSTEM OVERSTRENGTH FACTOR, $O_0 = 3$
DEFLECTION AMPLIFICATION FACTOR, $C_d = 3$
SEISMIC RESPONSE COEFFICIENT, $C_s = 0.076$
DESIGN BASE SHEAR, $V = \text{---}$
EAST-WEST DIRECTION
STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION COEFFICIENT, $R = 3$
SYSTEM OVERSTRENGTH FACTOR, $O_0 = 3$
DEFLECTION AMPLIFICATION FACTOR, $C_d = 3$
SEISMIC RESPONSE COEFFICIENT, $C_s = 0.076$
DESIGN BASE SHEAR, $V = \text{---}$
- FOR SEISMIC DESIGN CATEGORY C COMPONENT BRACING REQUIREMENTS ARE AS FOLLOWS:
ARCHITECTURAL COMPONENTS:
 $I_p = 1.0$
 $I_p = 1.5$
MECHANICAL/ELECTRICAL COMPONENTS:
 $I_p = 1.0$
 $I_p = 1.5$

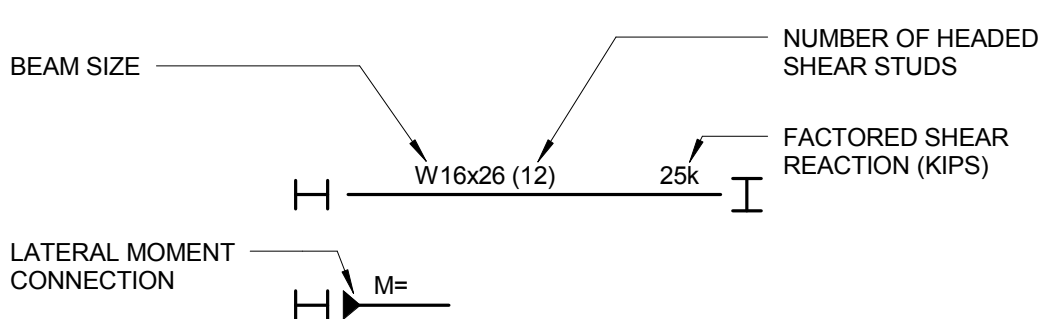
ARCHITECTURAL COMPONENTS:	EXEMPT
$I_p = 1.0$	EXEMPT
$I_p = 1.5$	EXEMPT
MECHANICAL/ELECTRICAL COMPONENTS:	EXEMPT
$I_p = 1.0$	EXEMPT
$I_p = 1.5$	EXEMPT

STRUCTURAL STEEL NOTES

- S1 REFER TO DIVISION 05 SPECIFICATION SECTION - STRUCTURAL STEEL - FOR REQUIREMENTS IN ADDITION TO THOSE LISTED BELOW.
- S2 A QUALITY CONTROL PROGRAM OF SHOP AND FIELD TESTING AND INSPECTION WILL BE PERFORMED ON STRUCTURAL CONCRETE WORK IN ACCORDANCE WITH THE SPECIFICATIONS. SCHEDULE WORK AND PROVIDE ACCESS TO ALLOW THE TESTING REQUIREMENTS TO BE COMPLETED.
- S3 DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH THE AISC SPECIFICATIONS AND CODES, LATEST EDITIONS.
- S4 PERFORM WELDING USING CERTIFIED WELDERS AND IN ACCORDANCE WITH THE AWS STRUCTURAL WELDING CODE - STEEL, LATEST EDITION, COMPLY WITH AISC SPECIFICATION FOR MINIMUM FILLET WELD SIZES, BUT DO NOT USE LESS THAN A 3/16 INCH FILLET UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
- S5 SUBMIT ENGINEERED AND CHECKED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW. SHOW SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DIAGRAMS FOR STRUCTURAL STEEL. SCHEDULE SUBMISSIONS TO ALLOW ADEQUATE TIME FOR REVIEW PRIOR TO FABRICATION.
- S6 THE CONNECTION DETAILS SHOWN ON THE DRAWINGS ARE CONCEPTUAL AND DO NOT INDICATE THE REQUIRED COMPONENT SIZES, WELD SIZES OR DIMENSIONS UNLESS SPECIFICALLY NOTED. FINAL DESIGN AND DETAILING IS THE RESPONSIBILITY OF THE FABRICATOR. PERFORM DESIGN USING INDUSTRY STANDARDS AND CRITERIA SET FORTH IN THE CONTRACT DOCUMENTS. SUBMIT DESIGN CALCULATIONS PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK.
- S7 DESIGN MOMENT CONNECTIONS TO DEVELOP THE FULL FACTORED MOMENT NOTED ON THE DRAWINGS.
- S8 DESIGN SIMPLE SHEAR CONNECTIONS CAPABLE OF END ROTATION UTILIZING HIGH STRENGTH BOLTS IN BEARING.
- S9 USE BOLTED JOINTS IN FIELD CONNECTIONS WHENEVER POSSIBLE, UNLESS WELDED JOINTS ARE DETAILED.
- S10 BOLTS OF DIFFERING STEEL GRADES (A325, A490, ETC) MUST VARY IN BOLT DIAMETER BY AT LEAST 1/4 INCH.
- S11 PROVIDE A MINIMUM OF TWO (2) BOLTS AT EACH FAYING SURFACE.
- S12 FABRICATE BEAMS WITH THE NATURAL CAMBER UP.
- S13 THE USE OF BLEED THROUGH MARKERS IS PROHIBITED ON STEEL THAT WILL BE EXPOSED TO VIEW IN THE FINISHED WORK.
- S14 AFTER FABRICATION, CLEAN STEEL OF RUST, LOOSE MILL SCALE, DIRT, OIL, GREASE OR OTHER FOREIGN MATERIALS.
- S15 REFER TO THE ARCHITECTURAL DRAWINGS FOR THE REQUIRED FIRE RATINGS AND UL ASSEMBLY NUMBERS.
- S16 DO NOT FIELD CUT STRUCTURAL STEEL UNLESS REVIEWED AND APPROVED BY THE ARCHITECT/ENGINEER IN WRITING. CLEARLY INDICATE STEEL MEMBER OPENINGS REQUIRED ON THE SHOP DRAWINGS. ALL COSTS FOR PROVIDING PENETRATIONS IN THE FIELD, INCLUDING MEMBER REINFORCING, IS THE RESPONSIBILITY OF THE CONTRACTOR.
- S17 ERECTION PROCEDURES, SEQUENCES AND COORDINATION OF WORK WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ADDITIONAL STEEL REQUIRED FOR ERECTION PURPOSES AT NO COST TO THE OWNER. REMOVE THIS ADDITIONAL STEEL UNLESS DIRECTED OTHERWISE BY THE OWNER IN WRITING.
- S18 PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR THE SAFETY, STABILITY AND ALIGNMENT OF THE STRUCTURE. LEAVE TEMPORARY BRACING IN PLACE UNTIL THE PERMANENT STRUCTURAL LATERAL LOAD RESISTING SYSTEM IS COMPLETE, INCLUDING FLOOR AND ROOF DIAPHRAGMS. PERFORM FINAL BOLTING AND WELDING ONLY ON THOSE PORTIONS OF THE STRUCTURE THAT HAVE BEEN ALIGNED AND PLUMBED WITHIN THE SPECIFIED TOLERANCES.
- S19 EVENLY SPACE BEAMS IN BAY, UNO.
- S20 PROVIDE NEW MATERIAL CONFORMING TO THE FOLLOWING REQUIREMENTS FOR STRUCTURAL STEEL:

MEMBER	GRADE
WIDE FLANGE SHAPES, WT SECTIONS	ASTM A992
CHANNELS AND ANGLES	ASTM A36
HOLLOW STRUCTURAL SECTIONS (RECTANGULAR AND ROUND)	ASTM A500 GRADE B
BASE PLATES	ASTM A36 UNO
ALL OTHER STEEL MEMBERS	ASTM A36 UNO
HIGH STRENGTH BOLTS, NUTS AND WASHERS	ASTM A-325 OR A-490 (MIN. 3/4" DIAMETER)
STEEL SHAPE WELDING ELECTRODE	E70XX

STEEL BEAM LEGEND



- NOTES:
- M = DESIGN MOMENT. PROVIDE FULL ELASTIC CAPACITY IF NONE IS LISTED.
 - DESIGN SHEAR REACTION EQUALS 10 KIPS FACTORED IF NONE IS LISTED.

STRUCTURAL CONCRETE NOTES

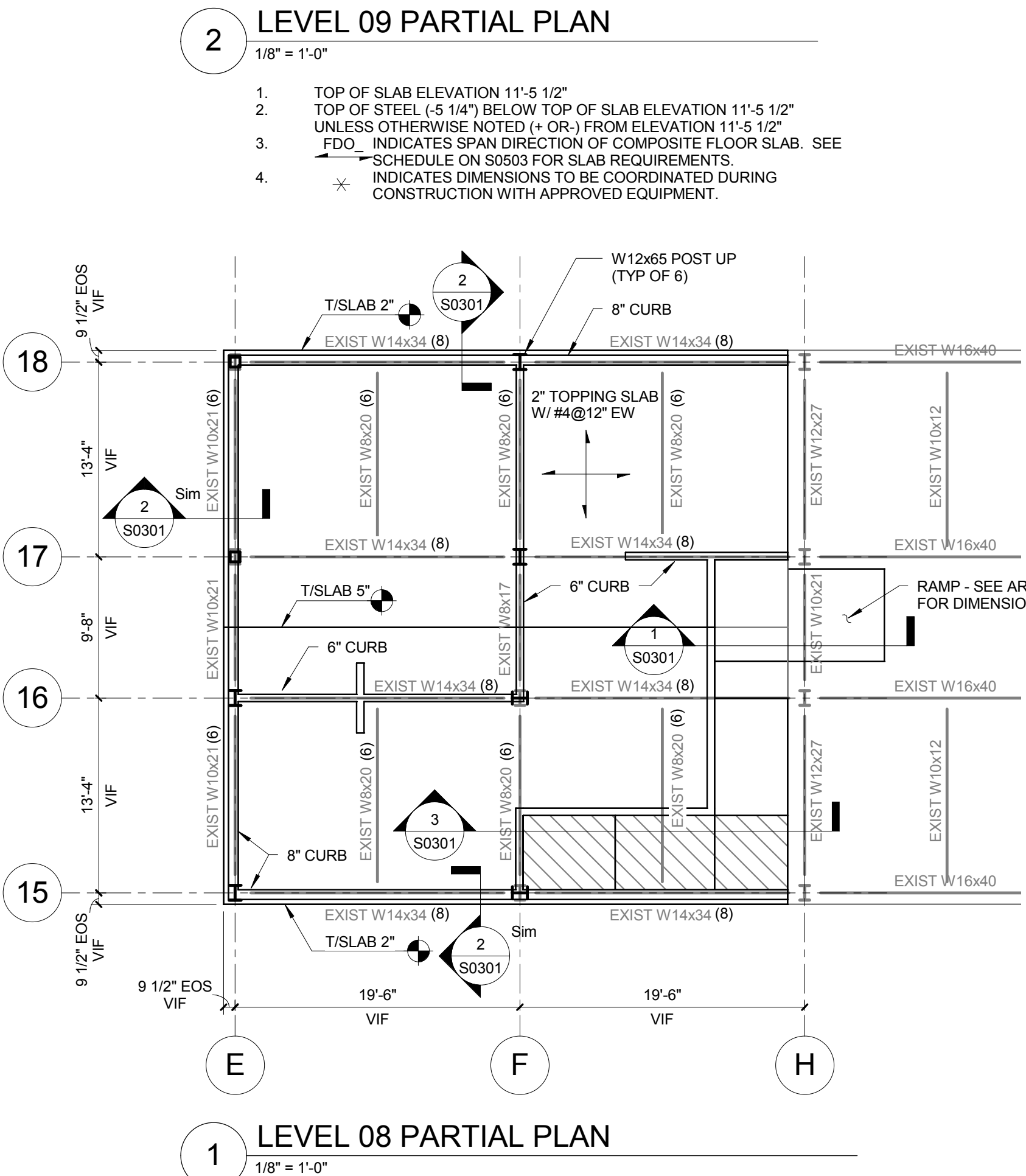
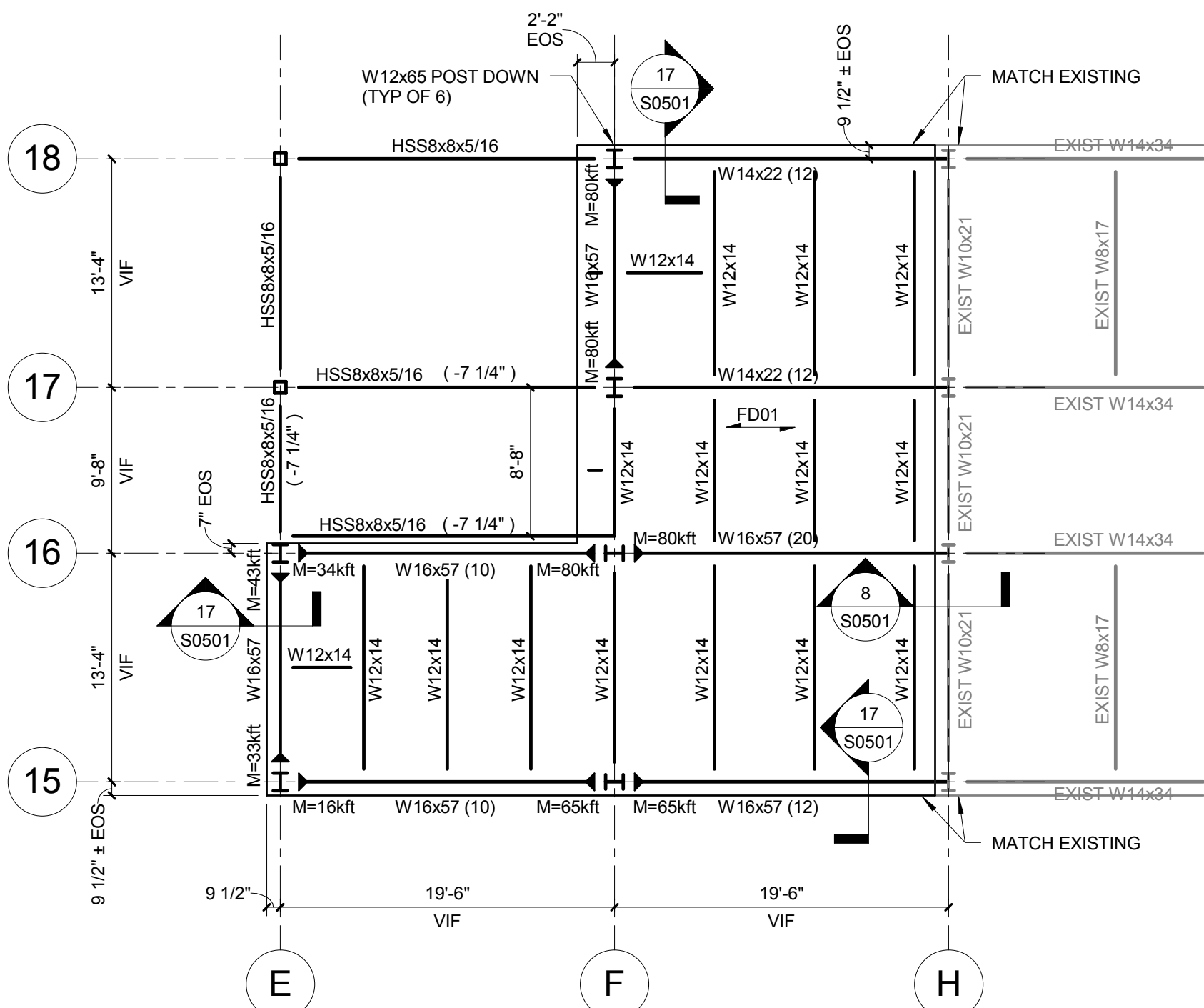
- C1 REFER TO DIVISION 03 SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THOSE LISTED BELOW.
- C2 A QUALITY CONTROL PROGRAM OF FIELD TESTING AND INSPECTION WILL BE PERFORMED ON STRUCTURAL CONCRETE WORK IN ACCORDANCE WITH THE SPECIFICATIONS. SCHEDULE WORK AND PROVIDE ACCESS TO ALLOW THE TESTING REQUIREMENTS TO BE COMPLETED. PROVIDE ADEQUATE NOTICE TO ALLOW THE OWNER'S TESTING AGENCY TO REVIEW PLACEMENT OF REINFORCEMENT PRIOR TO PLACING CONCRETE.
- C3 SUBMIT ENGINEERED CONCRETE MIX DESIGNS, INCLUDING REQUIRED BACKUP DATA, FOR EACH TYPE OF CONCRETE PROPOSED FOR USE TO THE ARCHITECT/ENGINEER FOR REVIEW. ALLOW ADEQUATE TIME FOR REVIEW PRIOR TO PERFORMING CONCRETE WORK.
- C4 DETAIL, FABRICATE, LABEL, SUPPORT AND PLACE CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", LATEST EDITIONS.
- C5 SUBMIT DETAILED SHOP DRAWINGS INDICATING REINFORCEMENT SIZE, SPACING AND PLACEMENT TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION. INCLUDE DETAILS AND LOCATIONS OF CURBS, CONSTRUCTION JOINTS, SLAB DEPRESSIONS, SLEEVES, OPENINGS, ETC.
- C6 DO NOT USE CALCIUM CHLORIDE IN CONCRETE.
- C7 REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR CURBS, PADS, DEPRESSIONS, WALL/SLAB OPENINGS, SPECIAL FLOOR FINISHES, ETC.
- C8 REFER TO ACI 305 FOR REQUIREMENTS FOR PLACING CONCRETE IN HOT WEATHER AND TO ACI 308 FOR REQUIREMENTS FOR PLACING CONCRETE IN COLD WEATHER.
- C9 ON STEEL FRAMED FLOORS, PROVIDE ADDITIONAL CONCRETE AS NECESSARY TO FINISH THE FLOORS TO WITHIN SPECIFIED TOLERANCES WHILE ACCOUNTING FOR STEEL DECK STEEL BEAM DEFLECTIONS. ALLOW FOR AN AVERAGE OF AT LEAST 1/2 INCH OF ADDITIONAL CONCRETE FOR EACH FLOOR.
- C10 WHERE FIBER REINFORCEMENT IS SPECIFIED, A REPRESENTATIVE FROM THE FIBER MANUFACTURER SHALL ADVISE ON SPECIAL PLACING AND FINISHING TECHNIQUES.
- C11 PROVIDE ONLY CONCRETE AND REINFORCING MATERIALS OF THE TYPES AND GRADES LISTED IN THE TABLE BELOW, UNLESS NOTED OTHERWISE.
- | CONCRETE | FC (PSI) | UNIT WEIGHT (PCF) |
|-----------------------------|-------------------------------------|-------------------|
| SLABS-ON-STEEL DECK | SEE COMPOSITE DECK SCHEDULE | |
| ALL OTHER CONCRETE | 4000 | 150 |
| REINFORCING | GRADE | |
| TYPICAL BARS | ASTM A-615, GRADE 60 | |
| WELDED WIRE FABRIC | ASTM A-185 | |
| BLENDED FIBER REINFORCEMENT | ASTM C-1116 TYPE I AND II FOR | |
| POLYPROPYLENE FIBERS | ASTM A-820 TYPE I FOR STEEL FIBERS. | |

STRUCTURAL STEEL DECK NOTES

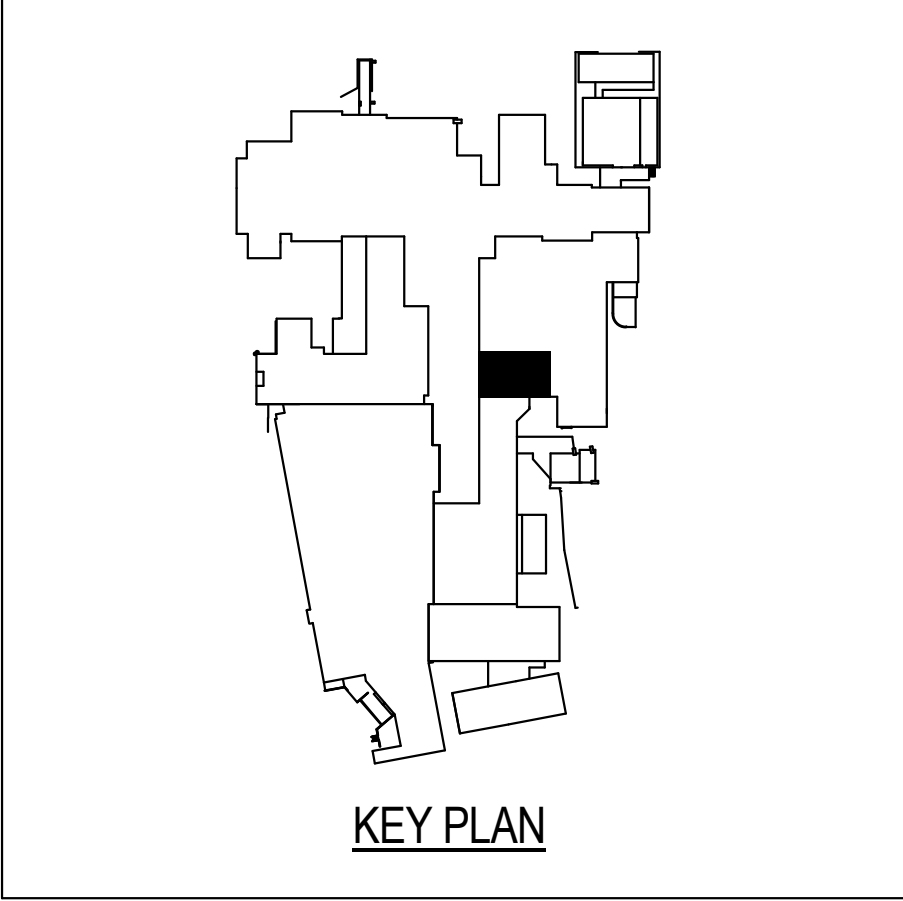
- SD1 REFER TO DIVISION 05 SPECIFICATION SECTION - STEEL DECKING - FOR REQUIREMENTS IN ADDITION TO THOSE LISTED BELOW.
- SD2 FABRICATE STEEL DECKING FROM STEEL TYPE ASTM A563. STRUCTURAL QUALITY HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI. COMPLY WITH STEEL DECK INSTITUTE SPECIFICATIONS FOR DESIGN, DETAILING, FABRICATION AND ERECTION OF STEEL DECK. USE STRUCTURAL STEEL DECK WITH A MINIMUM THICKNESS OF AT LEAST 18 GAGE, UNLESS NOTED OTHERWISE.
- SD3 SUBMIT ENGINEERED AND CHECKED SHOP DRAWINGS INDICATING LOCATION, GAGE AND SIZE OF EACH PIECE OF DECKING. CLEARLY SHOW WELDING DETAILS TO STRUCTURAL FRAMING, SIDE LAP CONNECTION DETAILS, LOCATION OF SHORING AND SUPPLEMENTARY SUPPORT STEEL AS REQUIRED.
- SD4 PROVIDE COMPOSITE STEEL DECK WITH WIDE RIBS SUITABLE FOR SHEAR STUD PLACEMENT.
- SD5 SUBMIT SHOP DRAWINGS INDICATING EXACT LAYOUT OF STUDS FOR EACH BEAM SIZE, NUMBER OF STUDS, SPAN AND DECK LAYOUT.
- SD6 WELD SHEAR STUDS THROUGH STEEL DECK BY PRE-QUALIFIED METHODS.
- SD7 WELD DECKING TO STRUCTURAL STEEL BY CERTIFIED WELDERS USING PRE-QUALIFIED PROCEDURES. ESTABLISH A WELDING PROCEDURE FOR THE PUDDLE WELD OF STEEL DECKING TO THE STRUCTURAL STEEL FOR THE PARTICULAR GAGES USED. PRIOR TO THE START OF ERECTION OF THE STEEL DECK, QUALIFY EACH WELDER USING THIS PROCEDURE AS WITNESSED BY THE OWNER'S TESTING LABORATORY. USE STEEL DECK WELDING ELECTRODE OF GRADE E60XX MIN.
- SD8 PROVIDE CONTINUOUS SHEET METAL CLOSURES AT SLAB OPENINGS AND SLAB EDGES AND CONTINUOUS DECK CLOSURES AT DECK ENDS. PROVIDE RIDGE AND VALLEY PLATES, CANT STRIPS, RECESSED DRAIN SUMP PANS, ETC PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF STEEL DECK. PROVIDE TEMPORARY SHORING AS NECESSARY TO CONTROL CANTILEVER DEFLECTIONS DUE TO WET CONCRETE WEIGHT AT FLOOR SLAB EDGES.
- SD9 PLACE STEEL DECK OVER A MINIMUM OF THREE (3) SPANS IN THE DIRECTION INDICATED. IF FRAMING GEOMETRY REQUIRES USE OF SINGLE AND/OR DOUBLE SPAN DECKS, PROVIDE DECK OF SUFFICIENT GAGE TO SATISFY STRESS AND DEFLECTION REQUIREMENTS. USE SINGLE SPANS ONLY WHERE NECESSARY. PROVIDE ADEQUATE SHORING FOR SINGLE SPAN COMPOSITE STEEL DECK IF REQUIRED TO COMPLY WITH SD1 STRESS AND DEFLECTION REQUIREMENTS.
- SD10 THE ASSUMED CONSTRUCTION LIVE LOAD USED IN DESIGN IS A 20 PSF UNIFORM LOAD OR A 150-POUND CONCENTRATED LOAD ON A 1'-0" WIDE SECTION OF DECK. DO NOT EXCEED THE ASSUMED CONSTRUCTION DESIGN LIVE LOAD WITHOUT FIRST TAKING PROPER SAFETY PRECAUTIONS, INCLUDING TEMPORARY SHORING. FOLLOW APPLICABLE LOCAL CODE AND AISI REQUIREMENTS.
- SD11 THE MAXIMUM CEILING LOAD THAT MAY BE HUNG FROM STEEL ROOF DECK IS 50 POUNDS, PROVIDED THAT NO OTHER LOADS ARE HUNG FROM THE DECK WITHIN A 30 INCH RADIUS. USE AN APPROPRIATE ANCHORING SYSTEM. HANG DUCTWORK, PIPING, ETC. DIRECTLY FROM STRUCTURAL STEEL OR SUPPLEMENTAL STEEL MEMBERS.
- SD12 DO NOT EXCEED A TOTAL SUSPENDED LOAD OF 400 POUNDS IN ANY 40 SQUARE FOOT AREA FROM COMPOSITE STEEL DECK/CONCRETE SLABS WITHOUT REVIEW AND WRITTEN APPROVAL OF THE ENGINEER. SUPPORT LARGER LOADS DIRECTLY FROM STRUCTURAL STEEL OR SUPPLEMENTAL STEEL MEMBERS.

MISCELLANEOUS

- M1 EMPLOY A LICENSED SURVEYOR TO VERIFY EXISTING DIMENSIONS, FLOOR ELEVATIONS, AND FLOOR-TO-FLOOR HEIGHTS BEFORE ORDERING, DETAILING, FABRICATING, OR ERECTING STRUCTURAL STEEL. THIS INFORMATION MUST BE CONFIRMED AT LOCATIONS WHERE NEW FLOORS AND ROOFS MEET EXISTING CONSTRUCTION.
- M2 CONSULT THE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS, EQUIPMENT PADS AND OTHER PROJECT REQUIREMENTS. COMBINE THE REQUIREMENTS INTO THE SHOP DRAWINGS AND THE WORK.
- M3 THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION OF CONSTRUCTION OF THE PROJECT AND THEN, ONLY TO SUPPORT THE DESIGN LOADS INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS AND SEQUENCE OF CONSTRUCTION AND FOR THE ADEQUACY OF THE STRUCTURE TO SUPPORT LOADS OCCURRING DURING CONSTRUCTION. FURNISH TEMPORARY BRACING, SHORING, AND/OR SUPPORT AS REQUIRED.
- M4 CHECK DIMENSIONS AGAINST THE REQUIREMENTS OF OTHER CONTRACT DOCUMENTS. RESOLVE APPARENT INCONSISTENCIES IN THE CONTRACT DOCUMENTS WITH THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH WORK.
- M5 OPENINGS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE SUBJECT TO REVIEW AND ACCEPTANCE AND ARE TO BE CLEARLY INDICATED FOR REVIEW AND ACCEPTANCE ON THE SHOP DRAWINGS.
- M6 DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, USE DETAILS OF SIMILAR CONSTRUCTION, SUBJECT TO APPROVAL BY THE ENGINEER.
- M7 WHEREVER THERE IS CONFLICT BETWEEN DETAILS OR TWO DETAILS APPLYING TO THE SAME CONDITION, THE ENGINEER WILL HAVE SOLE AUTHORITY TO DETERMINE WHICH DETAIL IS THE MOST APPROPRIATE FOR THE CONDITION.
- M8 SUBMIT SHOP DRAWINGS AND CALCULATIONS SEALED BY A REGISTERED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK FOR EACH OF THE FOLLOWING ASSEMBLIES: COMPLY WITH THE APPLICABLE PROVISIONS OF THE SPECIFICATIONS AND BUILDING CODE FOR LOADING, ALLOWABLE STRESSES AND DEFLECTION LIMITS. SUBMITTALS FOR ALL ASSEMBLIES LISTED IN THE SPECIFICATIONS THAT REQUIRE ENGINEERING CALCULATIONS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- M9 PROMPTLY NOTIFY THE ENGINEER OF ANY STRUCTURAL MEMBER CALLED OUT ON THE ARCHITECTURAL, MECHANICAL, PLUMBING OR ELECTRICAL DRAWINGS THAT IS NOT IDENTIFIED ON THE STRUCTURAL DRAWINGS. DESIGN OF THESE MEMBERS WILL BE PROVIDED AS NECESSARY BY THE STRUCTURAL ENGINEER UPON NOTIFICATION.
- M10 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, HANGERS AND OTHER MISCELLANEOUS ITEMS REQUIRED FOR THE SUPPORT OF MECHANICAL, ELECTRICAL AND PLUMBING ITEMS SUSPENDED FROM THE STRUCTURE.
- M11 DO NOT MAKE MODIFICATIONS, ALTERATIONS OR REPAIRS TO THE STRUCTURE WITHOUT PRIOR REVIEW BY THE STRUCTURAL ENGINEER. SUBMIT DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN STATE WHERE PROJECT IS LOCATED AND EMPLOYED BY CONTRACTOR.



- FOR GENERAL NOTES AND ABBREVIATIONS, SEE DRAWING S0001.
- TOP OF EXISTING SLAB ELEVATION 0'-0" UNLESS NOTED OTHERWISE (+ OR -) FROM ELEVATION 0'-0".
- TOP OF STEEL (+ 1/2") BELOW TOP OF SLAB ELEVATION UNLESS OTHERWISE NOTED (+ OR -) FROM ELEVATION 0'-0".
- ROUGHEN EXISTING SLAB TO AN AMPLITUDE OF 1/4" BEFORE PLACING TOPPING SLAB.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF 6" CURB.
- INDICATES CONCRETE RAMP SLAB ON FORM. REMAINDER OF RAMP IS CAST INTEGRALLY WITH TOPPING SLAB WITH MATCHING REINFORCING.



65% SUBMISSION - NOT FOR CONSTRUCTION

CONSULTANTS:		ARCHITECT/ENGINEER:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
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						Date 05-20-2015		Checked JRB			
Revisions:		Date									