GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED ON STRUCTURAL DRAWINGS. IN CASE OF CONFLICT BETWEEN GSN, DETAILS AND PLANS, THE GREATER REQUIREMENTS GOVERN.

COMPLY WITH 2018 INTERNATIONAL BUILDING CODE.
FLOOR LIVE LOADS RESIDENTIAL PLUS PARTITIONS
ROOF LIVE LOADS
DEAD LOADS: ROOF DEAD LOAD
WIND CRITERIA BASIC DESIGN WIND SPEED (3 SEC GUST)
SEISMIC CRITERIA SITE CLASS

FOR MECHANICAL LOADS SEE MECHANICAL DRAWINGS. VERIFY ANY LOADS SHOWN ON STRUCTURAL DRAWINGS WITH MECHANICAL DRAWINGS.

. EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATIONS:

SOIL REPORT BY: DUPONT ENGINEERING, INC. REPORT NO: 18-0379 REPORT DATE: SEPTEMBER 4, 2018 UPDATED: OCTOBER 11, 2018

ANALYSIS PROCEDURE USED...

FOOTINGS SHALL BEAR ON FIRM UNDISTURBED OR COMPACTED SOIL AT 18" MINIMUM BELOW FINISH GRADE OR NATURAL GRADE, WHICHEVER IS LOWER. FOR INTERIOR FOOTINGS, FINISH FLOOR IS CONSIDERED AS FINISH GRADE. ALLOWABLE BEARING =

ALL EARTHWORK, FOOTING DEPTHS, AND EXCAVATIONS FOR FOUNDATIONS SHALL BE INSPECTED BY THE SOILS ENGINEER TO VERIFY ASSUMED ALLOWABLE SOIL BEARING AND LOW SETTLEMENT AND SWELL POTENTIAL, AND TO MAKE ANY ADDITIONAL RECOMMENDATIONS.

CONCRETE:

EXCEPT AS FOLLOWS:	, ,	
FOUNDATIONS, GRADE BEAMS, OR ANY OTHER CONCREIN CONTACT WITH EARTH)
CAST IN PLACE SLABS NOT ON GRADE	4000 P	SI
LACE WALLS AND COLUMNS	4000	PSI
CONCRETE FILL ON METAL DECK (FIRE RATED ASSEMBLY)	.3500 PSI(TYPE II OR V CEMEN	T)

MAXIMUM SLUMP: FOR SLABS NOT ON GRADE.

FOR OTHER CONCRETE..

SHALL MEET ALL THE REQUIREMENTS OF THE CURRENT ISSUE OF THE ACI MANUAL OF

CONCRETE PRACTICE, WITH TYPE V CEMENT. MINIMUM 28 DAY STRENGTH, 3000 PSI,

CONTRACTOR SHALL SUBMIT FOR APPROVAL CONCRETE MIX DESIGNS FOR EACH CLASS OF CONCRETE. THE MIX SUBMITTAL SHALL INDICATE WHICH OF THE FOLLOWING ACI 318 METHODS THE CONCRETE SUPPLIER ALONG WITH HIS TESTING LAB INTENDS TO USE FOR CONCRETE PROPORTIONING - THE FIELD EXPERIENCE METHOD, THE LABORATORY TRIAL MIXTURE METHOD OR A COMBINATION OR BOTH. IF CONSECUTIVE TESTS (15 TO 30) ARE BEING RELIED UPON PER ACI 318, SECTION 5.3 THOSE TESTS SHALL BE SUBMITTED ALONG WITH THE MIX DESIGNS. MIX DESIGNS SHALL BEAR THE STAMP OF AN ENGINEER LICENSED IN THE STATE OF NEVADA.

NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL. NO AIR ENTRAINMENT SHALL BE ALLOWED IN FLAT SLABS. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED. EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND EMBEDDED ITEMS. DO NOT TAMP SLABS. USE ROLLER BUG, VIBRATING SCREED OR BULL FLOAT TO FINISH. SEE SPECIFICATIONS FOR CURING. REVIBRATE TOPS OF COLUMNS SOON AFTER PLACING CONCRETE, TO CLOSE PLASTIC SHRINKAGE CRACKS.

MINIMUM STRENGTH FOR REMOVAL OF FORMS AND SHORING SHALL BE 75% OF SPECIFIED STRENGTH AT 28 DAYS.

FLY ASH (POZZOLAN) IF PERMITTED PER ARCHITECTURAL SPECIFICATIONS SHALL NOT EXCEED 15% REPLACEMENT OF TOTAL CEMENT CONTENT USING A 1.3 REPLACEMENT

REINFORCING:

LATEST ACI CODE AND DETAILING MANUAL APPLY. ALL REINFORCING BARS DEFORMED

EXCEPT #2 BARS AND WIRE MESH.	
ALL REINFORCING SHALL BE ASTM A-615 GRADE 60 EXCEPT	AS FOLLOWS:
SPIRALS	GRADE 4ASTM A-106GRADE 40 CHEMICAL ANALYS EHEAT.
CLEAR CONCRETE COVER TO REINFORCING ARE AS FOLLOW	/S:
CAST-IN-PLACE CONCRETE (NONPRESTRESSED):	
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	
EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18#5 AND SMALLER	1 1/
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND)•

NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS: #11 AND SMALLER...

MESH SPLICES: TYPICAL SPACING PLUS 2" (MINIMUM 8") MEASURED BETWEEN CROSS

LAP SPLICES IN MASONRY SHALL BE PER ACI 530.

BEAMS AND COLUMNS...

LAP SPLICES IN CONCRETE SHALL BE CLASS B TENSION LAPS PER ACI 318. SPLICE BOTTOM BAR OVER SUPPORTS AND TOP BAR AT MIDSPAN ONLY.

WHERE BARS ARE SHOWN SPLICED, THEY MAY RUN CONTINUOUS AT CONTRACTOR'S OPTION.

PROVIDE SHOP DRAWINGS AND FABRICATE AFTER THE ARCHITECTS REVIEW. ALL SPLICE LOCATIONS ARE SUBJECT TO APPROVAL. PLACE REBAR PER CRSI STANDARDS.

REBAR SPACING GIVEN IS MAXIMUM ON CENTER AND ALL REBAR IS CONTINUOUS UNLESS OTHERWISE NOTED. PROVIDE BENT CORNER REBAR TO MATCH AND LAP WITH HORIZONTAL REBARS AT CORNERS AND INTERSECTIONS OF WALLS. DOWEL ALL VERTICAL WALL AND COLUMN REBAR TO FOUNDATIONS. SECURELY TIE ALL REBAR, INCLUDING DOWELS, IN LOCATION BEFORE PLACING CONCRETE OR GROUT.

MASONRY:

BLOCK UNITS: GRADE N-1, RUNNING BOND. PRISM STRENGTH = 1500 PSI. MORTAR TYPE S, 1800 PSI. GROUT 2000 PSI. ALL CONSTRUCTION BELOW GRADE OR IN CONTACT WITH SOIL SHALL USE TYPE V CEMENT FOR MASONRY UNITS. GROUT AND MORTAR. OTHER CONDITIONS MAY BE TYPE II CEMENT. NO POZZOLAN WILL BE PERMITTED IN MORTAR.

MECHANICALLY VIBRATE GROUT IN VERTICAL CELLS IMMEDIATELY AFTER POURING AND AGAIN ABOUT 5 MINUTES LATER. MAXIMUM GROUT LIFT WITHOUT CLEANOUTS 5'-0". STAY EACH END OF EACH VERTICAL REBAR USING SINGLE WIRE AND LOOP TYPE TIES. MAXIMUM VERTICAL SPACING OF TIES 8'-0".

SEE ARCHITECTURAL DRAWINGS FOR EXPANSION OR CONTROL JOINTS. LOCATE AT 20 FEET MAXIMUM O.C., BUT NOT LESS THAN 2'-0" FROM A BEARING PLATE OR FROM A JAMB OF AN OPENING WIDER THAN 4'-0".

MASONRY WALLS TO BE PARTIALLY GROUTED, GROUT REQUIRED: IN CELLS WITH REINFORCING, BOND BEAMS, LINTELS, AROUND EMBEDS AND OTHER LOCATIONS SPECIFICALLY CALLED FOR ON PLANS.

8" WALL VERTICAL REINFORCING: LOCATE REINFORCING IN CENTER OF GROUT, AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALL AS FOLLOWS:

(2) #5 AT ALL CORNERS, INTERSECTIONS, WALL ENDS, JAMBS, AND EACH SIDE OF EXPANSION OR CONTROL JOINTS.

(1) #5 AT 24" O.C. ELSEWHERE.

HORIZONTAL REINFORCING: (2) #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT ROOF LINES, WHERE WALLS ARE ANCHORED TO FLOORS AND TOP OF ALL WALLS AND PARAPETS AND AT 4'-0" O.C. IN BETWEEN. HORIZONTAL REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS EXCEPT AT FLOOR AND ROOF BOND BEAMS OR UNLESS NOTED OTHERWISE ON PLANS. GROUT BARRIER BELOW BOND BEAMS SHALL BE CONTINUOUS WIRE LATH. PROVIDE LADDER TYPE #9 JOINT REINFORCING AT 16" O.C.

WALLS NOTED ON PLANS AS "SOLID GROUTED" SHALL HAVE #4 HORIZONTAL REINFORCING AT 40" MAXIMUM (LADDER TYPE JOINT REINFORCEMENT NOT REQUIRED). PROVIDE (2) #5 BOND BEAMS AT FLOOR, ROOF AND TOP OF WALLS AND PARAPETS.

PROVIDE 2-#3 IN BED JOINT IMMEDIATELY BELOW OPENINGS IN BEARING WALLS, EXTENDING 24" BEYOND EACH JAMB, FOR ALL OPENINGS EXCEEDING 2'-0" IN SIZE.

WEDGE AND SLEEVE TYPE ANCHORS SHALL NOT BE PERMITTED IN MASONRY CONSTRUCTION WITHOUT PRODUCT ICC REPORT AND PREAPPROVAL.

LINTELS: OPEN END BLOCKS SHALL BE USED AT ALL SOLID GROUTED LINTEL SECTIONS. FOR REINFORCEMENT AND ADDITIONAL INFORMATION, SEE LINTEL SCHEDULE DETAIL.

WELDING:

...3 1/2"

ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. WELDING RODS TO BE LOW HYDROGEN TYPE, E70 FOR STRUCTURAL STEEL AND E60 FOR

ALL BUTT WELDED SPLICES IN MATERIAL THICKER THAN 5/16" SHALL BE INSPECTED BY AN INDEPENDENT TESTING LABORATORY. TO CERTIFY CONNECTION AS MEETING OR EXCEEDING STRENGTH OF MATERIALS SPLICED.

ALL WELDING OF REINFORCING SHALL CONFORM TO THE "STRUCTURAL WELDING CODES-REINFORCING STEEL" AWS D1.4, CURRENT EDITION.

ALL WELDING OF STRUCTURAL STEEL SHALL CONFORM TO THE "STRUCTURAL WELDING CODES-STEEL" AWS D1.1, CURRENT EDITION.

WELDS INDICATED MAY BE MADE IN SHOP OR FIELD WITH APPROVAL.

CERTIFICATES.

CONNECTIONS:

THAN 1/4"Ø.

ALL STRESS GRADE LUMBER CONSTRUCTION SHALL COMPLY WITH AITC TIMBER CONSTRUCTION STANDARDS LATEST EDITION. ALL LUMBER (EACH PIECE) SHALL BEAR THE GRADE STAMP OF GRADING RULES AGENCY APPROVED BY THE AMERICAN LUMBER STANDARDS COMMITTEE (ALSC). REGARDLESS OF REQUIRED GRADE STAMP AND CERTIFICATIONS, ALL LUMBER (EACH PIECE) IN PLACE IN THE STRUCTURE SHALL BE OF THE ORIGINAL GRADE SPECIFIED OR BETTER WHEN INSPECTED BY THE GRADING AGENCY APPROVED BY THE ALSC. GRADE LOSS RESULTING FROM EFFECTS OF WEATHERING, HANDLING, STORAGE, RESAWING OR DIVIDING LENGTHS WILL BE CAUSE FOR REJECTION.

DO NOT NOTCH OR DRILL JOISTS, BEAMS OR LOAD BEARING STUDS WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT.

DOUBLE UP FLOOR JOISTS UNDER PARTITIONS. WHEN JOIST DEPTH EXCEEDS 10" PROVIDE METAL BRIDGING OR SOLID BLOCKING AT MIDSPAN.

THIS ALLOWANCE IS NOT EXCEEDED ON ANY MEMBER. ADD MEMBERS IF NECESSARY.

SPRINKLER ALLOWANCE IS 1.5 LBS. PER SQUARE FOOT. SUSPEND SPRINKLERS SO THAT

SEE MECHANICAL DRAWINGS FOR SPREADERS TO SUPPORT MECHANICAL EQUIPMENT FROM PURLINS, BEAMS OR SUFFICIENT NUMBER OF JOISTS.

GLULAM BEAMS: WEST COAST DOUGLAS FIR WITH F(b) = 2400 PSI (24F-V4) STRESS GRADE WITH EXTERIOR GLUE. PROVIDE 2400 PSI (24F-V8) AT CANTILEVERED BEAMS. FABRICATION AND HANDLING SHALL BE PER LATEST AITC STANDARDS. BEAMS SHALL BEAR AITC STAMP WITH

CAMBER = L/300 WHERE L = SPAN IN INCHES. UNLESS NOTED OTHERWISE.

BEAMS TO BE ARCHITECTURAL OR INDUSTRIAL APPEARANCE GRADE PER ARCHITECTURAL SPECIFICATION. INDIVIDUALLY OR LOAD WRAPPED.

WEST COAST DOUGLAS FIR - LARCH, SURFACED DRY. 6 X BEAMS AND POSTS: NO. 1. 4 X JOISTS: NO 1. ALL OTHER STRUCTURAL FRAMING NO. 2 OR BETTER. SILL PLATES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR (PTDF). FASTENERS FOR PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER, FASTENERS AND HARDWARE SHALL BE OF THE SAME MATERIAL AND/OR COATING.

APA RATED PLYWOOD SHEATHING EXPOSURE 1 (CDX) OR STRUCTURAL 1 (PS 1 CURRENT EDITION). STAGGER JOINTS, TYPICAL.

WALL PLYWOOD: (3/8") NAIL PLYWOOD WITH 8d COMMON NAILS AT 6" O.C. ALL EDGES AND AT 12" O.C. ALL INTERMEDIATE SUPPORTS, EXCEPT WHEN NOTED OTHERWISE ON PLANS. WALLS DESIGNATED AS SHEARWALLS SHALL HAVE ALL EDGES BLOCKED.

FLOOR PLYWOOD: (1 1/8" 60/48 MIN, T&G) SHALL BE TONGUE AND GROOVE TYPE AND SHALL BE GLUED TO EACH SUPPORT WITH ADHESIVE PER A.P.A. SPECIFICATIONS. SHALL HAVE FACE GRAIN LAID PERPENDICULAR TO SUPPORTS, MINIMUM 2 SPAN CONTINUOUS. STAGGER JOINTS. NAIL PLYWOOD WITH 10d COMMON NAILS AT 6" O.C. ALL EDGES AND AT 10" O.C. ALL INTERMEDIATE SUPPORTS, EXCEPT WHEN NOTED OTHERWISE ON PLANS.

OTHER HORIZONTAL PLYWOOD: (1/2" 32/16 MIN), SHALL HAVE FACE GRAIN LAID PERPENDICULAR TO STUDS OR SUPPORTS, MINIMUM 2 SPAN CONTINUOUS. STAGGER JOINTS. NAIL PLYWOOD WITH 8d COMMON NAILS AT 6" O.C. ALL EDGES AND AT 12" O.C. ALL INTERMEDIATE SUPPORTS, EXCEPT WHEN NOTED OTHERWISE ON PLANS. PROVIDE PLYWOOD CLIPS AT ALL UNBLOCKED EDGES. (CLIPS NOT REQUIRED FOR TONGUE AND GROOVE TYPE PLYWOOD).

ALL NAILING REFERRED TO IN THIS SECTION SHALL BE WITH COMMON NAILS. ALL FRAMED CONNECTIONS SHALL BE MADE WITH ICC APPROVED FRAMING ANCHORS OR JOIST HANGERS, BY SIMPSON OR KC METALS. ANY HANGERS USED SHALL HAVE ICC CAPACITIES EQUAL TO OR GREATER THAN THE SIMPSON HANGER CALLED OUT. FOR NAILING SCHEDULE, SEE TABLE 2304.9.1 OF 2012 INTERNATIONAL BUILDING CODE. FIELD DRILL ALL HOLES FOR PROPER MATCHING AND BEARING. PROVIDE CUT WASHERS AT BOLTS IN

WOOD. PREDRILL ALL HOLES FOR NAILS LARGER THAN 20d AND FOR LAG SCREWS LARGER

TRUSS JOIST/WOOD TRUSSES: FABRICATOR SHALL BE RESPONSIBLE FOR DESIGN USING THE FOLLOWING LOADS:

ROOF LIVE LOAD: 20 PSF - 7 DAY DURATION - HORIZONTAL PROJECTION. FLOOR LIVE LOAD: SEE CODE SECTION - 10 YEAR DURATION.

DEAD LOADS (INCLUDING WEIGHT OF TRUSS/JOIST): 15 PSF ROOF, 30 PSF FLOOR.

MECHANICAL EQUIPMENT - SEE MECHANICAL DRAWINGS, INCLUDING SPRINKLERS.

JOIST/WOOD TRUSS MANUFACTURER SHALL LIMIT THE TOTAL LOAD DEFLECTION TO L/240 AND LIVE LOAD DEFLECTION TO L/360.

AITC STANDARDS APPLY. PRIOR TO MANUFACTURING TRUSSES, FABRICATOR SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS SEALED BY AN ENGINEER REGISTERED IN THE STATE OF NEVADA FOR REVIEW (INCLUDING WOOD GRADE SPECIFICATIONS). ALL PERMANENT AND TEMPORARY BRACING AND FASTENING AT BEARING SHALL BE BY TRUSS MANUFACTURER.

STRUCTURAL STEEL:

FOR ALL STRUCTURAL STEEL FABRICATION AND CONSTRUCTION LATEST AISC HANDBOOKS AND CODES SHALL APPLY. ALL STEEL FABRICATION IS REQUIRED TO BE COMPLETED BY AN APPROVED STEEL FABRICATOR RECOGNIZED BY THE BUILDING DEPARTMENT.

ASTM A36, EXCEPT AS FOLLOWS: WIDE FLANGE SECTIONS - ASTM A992, PIPE SECTIONS -

ASTM A53 GRADE B, HSS SECTIONS - ASTM A500 GRADE B, HP SECTIONS - ASTM A572 GRADE 50. ANCHOR BOLTS, ASTM A307 UNO; HIGH STRENGTH BOLTS, A325-X OR A325-SC PER

SCHEDULES. MINIMUM EMBEDMENT OF ALL BOLTS IN GROUT OR CONCRETE SHALL BE 8" INCLUDING BOLT HEAD OR 5" WITH A STD HOOK. WELDED ANCHORS AND SHEAR CONNECTORS SHALL BE ICC APPROVED.

UNLESS OTHERWISE NOTED MINIMUM CONNECTION SHALL BE: (2) 3/4" DIAMETER BOLTS OR 3/16" FILLET WELD 4" LONG, USING 1/4" CONNECTION MATERIAL AND DETAILED TO MINIMIZE BENDING IN THE CONNECTION.

COMPOSITE METAL DECK WITH CONCRETE FILL:

STEEL DECK INSTITUTE SPECIFICATIONS AND RECOMMENDATIONS APPLY.

MATERIAL DESIGN, MANUFACTURE AND INSTALLATION SHALL BE EQUIVALENT TO THAT MANUFACTURED BY VERCO MANUFACTURING, INC., UNLESS OTHERWISE NOTED.

DECK UNITS SHALL BE CONTINUOUS OVER THREE SPANS, WHERE POSSIBLE. USE NEXT HEAVIER GAGE FOR SIMPLE OR TWO SPAN CONTINUOUS CONDITIONS. METAL DECK SHALL HAVE DEFORMATIONS TO PROVIDE STRUCTURAL BOND WITH CONCRETE. MINIMUM YIELD STRESS SHALL BE 33,000 PSI. DECKING SHALL BOND TO CONCRETE AND BE TREATED PER CURRENT ICC RESEARCH RECOMMENDATION FOR RUST PREVENTION. SURFACES IN CONTACT WITH CONCRETE SHALL BE GALVANIZED. DECK ACTING COMPOSITE WITH CONCRETE SLAB SHALL BE CAPABLE OF CARRYING SUPERIMPOSED LOADS SHOWN BELOW. DECK SHALL NOT BE ASSUMED TO ACT COMPOSITELY WHERE ANY PORTION OF ITS SPAN IS OVERLAID WITH A TRENCH HEADER. PROVIDE BOTTOM SHEETS WHEREVER REQUIRED BY ELECTRICAL PLANS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE-RATED ASSEMBLY REQUIREMENTS. PROVIDE ALL NECESSARY DETAILS SUCH AS FILLER AND SPLICE PLATES TO COMPLETE THE JOB.

ERECT IN ACCORDANCE WITH THE CURRENT ICC RESEARCH RECOMMENDATIONS TO MEET THE LOAD AND SHEAR REQUIREMENTS STATED BELOW. EXCEPT THAT IN NO CASE SHALL CONNECTION TO STEEL MEMBERS BE LESS THAN NOTED BELOW.

WELDING ELECTRODES SHALL BE LOW HYDROGEN TYPE E70XX OR E60XX. PUDDLE WELD DECK TO SUPPORTING STEEL USING MINIMUM 1/2" DIAMETER FUSION AREA AS FOLLOWS:

1.TO ALL TRANSVERSE SUPPORTS (JOISTS, BEAMS, ANGLES, PLATES, ETC.) FOUR WELDS PER SHEET. WELD EACH SIDE OF SEAM AND FIVE INTERMEDIATE.

2.TO ALL STEEL PARALLEL TO FLUTES, 18" O.C.

3.STITCH WELD OR BUTTON PUNCH SIDE SEAMS AT 3'-0" O.C.

SHOP DRAWINGS SHALL SHOW THE ERECTION PROCEDURE AND DETAILS. THE ICC REPORT, INCLUDING LOAD AND DIAPHRAGM SHEAR CAPACITY SHALL BE FURNISHED, AND SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.

PROVIDE SHORING TO SUPPORT CONSTRUCTION LOADS IF REQUIRED. SUBMIT SHORING

REQUIREMENTS WITH SHOP DRAWINGS.												
TYPE	HEIGHT	GAGE	PI	ROPERTI	ES	SUPERIMPO	SED LOADS	SHEAR CAP.				
	(INCHES)		l in ⁴	+S in ³	-S in ³	PSF	SPAN (FT)	(REQUIRED U.N.O.)				
W3 FORMLOCK	3"	20	0.907	0.510	0.528	125	10'-0"	1390 PLF				

1 1/2" TYPE B METAL ROOF DECK:

STEEL DECK INSTITUTE SPECIFICATIONS AND RECOMMENDATIONS APPLY. DECK SHALL BE PAINTED OR GALVANIZED.

DECK UNITS SHALL BE CONTINUOUS OVER THREE SPANS, WHERE POSSIBLE. USE NEXT HEAVIER GAGE FOR SIMPLE OR TWO SPAN CONTINUOUS CONDITIONS. YIELD STRESS SHALL BE 33,000 PSI MINIMUM.

PROVIDE SPREADER BAR AT TOP OF DECK WHEN SUSPENDING CEILING FROM DECK. HOWEVER, DO NOT SUSPEND PLASTERED CEILING FROM DECK. PROVIDE ALL NECESSARY DETAILS SUCH AS RIDGE OR VALLEY SPLICE PLATES.

ERECT IN ACCORDANCE WITH THE CURRENT ICC RESEARCH RECOMMENDATIONS TO MEET THE LOAD AND SHEAR REQUIREMENTS STATED BELOW. EXCEPT THAT IN NO CASE SHALL CONNECTIONS TO STEEL MEMBERS BE LESS THAN SHOWN BELOW.

WELDING ELECTRODES SHALL BE LOW HYDROGEN TYPE E70 OR E60. PUDDLE WELD DECK

TO SUPPORTING STRUCTURAL STEEL, USING MINIMUM 1/2" DIAMETER FUSION AREA, AS

1.TO ALL TRANSVERSE SUPPORTS (JOISTS, BEAMS, ANGLES, PLATES, ETC.). SEVEN WELDS PER SHEET. WELD EACH SIDE OF SEAM AND FIVE INTERMEDIATE.

2.TO ALL STEEL PARALLEL TO FLUTES, 18" O.C.

FABRICATION.

3. SIDE SEAMS, STITCH WELD OR BUTTON PUNCH AT 12" O.C.

ATTACH TO LIGHT GAGE JOISTS WITH TEK SCREWS AS FOLLOWS:

1.TO ALL TRANSVERSE SUPPORTS (4) #12'S PER SHEET. PLACE EACH SIDE OF SEAM AND TWO INTERMEDIATE.

2. TO ALL STEEL PARALLEL TO FLUTES AND SIDE SEAMS, #10'S AT 18" O.C.

OPENING EDGES SHALL RECEIVE SAME WELDING/ATTACHMENT AS REQUIRED FOR TRANSVERSE SUPPORTS.

SHOP DRAWINGS SHALL SHOW THE ERECTION PROCEDURE AND DETAILS. THE ICC REPORT, INCLUDING VERTICAL LOAD AND DIAPHRAGM SHEAR CAPACITY SHALL BE FURNISHED, AND SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO

METAL DECK SHALL BE PER IAPMO ES-0217 OR PRE-APPROVED EQUAL AND MEET OR

	TYPE	TYPE HEIGHT GAGE PROPERTIES						SUPERIMPOSED LOADS		
		(INCHES)		l in ⁴	+S in ³	-S in ³	PSF	SPAN (FT)	(REQUIRED	
									U.N.O.)	
	В	1 ¹ / ₂ "	20	0.219	0.230	0.237	15	8'-0"	359 PLF	

SUPPLEMENTARY NOTES:

PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS AND

BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY DOCUMENTS.

FOR CONNECTIONS, SEE DETAILS.

POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT OR GREATER PERFORMANCE VALUES OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE. CONTACT MANUFACTURER'S REPRESENTATIVE FOR THE INITIAL TRAINING AND INSTALLATION OF ANCHORS AND FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY.

COST OF ADDITIONAL FIELD AND OFFICE WORK NECESSITATED BY REQUEST BY THE CONTRACTOR FOR AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. OPTIONS ARE FOR CONTRACTORS CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF HE CHOOSES AN OPTION AND

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF NEVADA.

CONTRACTOR SHALL VERIFY IN FIELD ALL EXISTING CONDITIONS SHOWN ON DRAWINGS.

IN FLOORS OR ROOFS MUST HAVE PROVISIONS TO ACCOMMODATE MOVEMENT OR MUST BE DELAYED UNTIL THE JOINT IS CLOSED.

DEFERRED SUBMITTAL

DEFERRED SUBMITTALS MUST BE REVIEWED BY THE ENGINEER OF RECORD FOR CONFORMANCE TO THE CONTRACT DOCUMENTS. A SET OF DEFERRED SUBMITTAL DOCUMENTS WITH A NOTIFICATION INDICATING IT HAS BEEN REVIEWED BY THE ENGINEER OF RECORD AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE BUILDING INSPECTOR ON SITE PRIOR TO INSTALLATION OF DEFERRED ITEMS.

DEFERRED SUBMITTALS FOR STRUCTURAL ITEMS INCLUDE:

A) WOOD TRUSSES.

PER THE INTERNATIONAL BUILDING CODE, SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING ITEMS NOT NOTED ON SHEET \$1.01: POST-INSTALLED ANCHORS

CONSTRUCTION. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, SUBCONTRACTORS PRIOR TO CONSTRUCTION.

THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT OTHER PERSONS PERFORMING ANY OF THE WORK IN ACCORDANCE WITH THE CONTRACT

HE SHALL COORDINATE ALL DETAILS.

UNLESS OTHERWISE NOTED, DETAILS ON STRUCTURAL DRAWINGS ARE TYPICAL AS INDICATED BY CUTS, REFERENCES OR TITLES.

VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

ALL CONSTRUCTION MEETING OR CROSSING EXPANSION OR SHRINKAGE CONTROL JOINTS

DESIGN OF THE BUILDING SHALL BE FORWARDED TO THE BUILDING DEPARTMENT AND

B) STEEL STAIRS.

SPECIAL INSPECTION:

<u>Legend:</u>

INDICATES CONCRETE FOOTING.

INDICATES WOOD OR STEEL STUD WALL

AND MECH'L DRAWINGS.

SHOWN ON PLANS.

INDICATES MECH'L EQUIPMENT ON ROOF.

VERIFY SIZE AND LOCATION W/ARCH'L

INDICATES OPENING IN ROOF OR FLOOR

VERIFY SIZE AND LOCATION W/ARCH'L

AND MECH'L DRAWINGS. ALL OPENINGS

AND OPENING FRAMING NOT NECESSARILY

☑ INDICATES WOOD POST.

INDICATES MOMENT FRAME.

GLB = GLULAM BEAM

MECH'L = MECHANICAL

P.C. = PRECAST

M.L. = MASONRY LINTEL

U.N.O. = UNLESS NOTED OTHERWISE

ARCH'L = ARCHITECTURAL

...P. = CAST IN PLACE

CONC. = CONCRETE

CONT. = CONTINUOUS

LEGEND:

GENERAL STRUCTURAL NOTES -

TYPICAL FOUNDATION DETAILS -

Second floor framing Plan -

FOURTH FLOOR FRAMING PLAN -

THIRD FLOOR FRAMING PLAN -

FIFTH FLOOR FRAMING PLAN —

TYPICAL FRAMING DETAILS -

OUNDATION PLAN —

ROOF FRAMING PLAN -

Framing Details -

FRAMING DETAILS -

FRAMING DETAILS

FRAMING DETAILS -

FOUNDATION DETAILS -

Canopy Framing Plan —

STATEMENT OF SPECIAL INSPECTION -

EXIST. = EXISTING

C.J. = CONTROL/CONSTRUCTION JOINT

C.M.U. = CONCRETE MASONRY UNIT

G.S.N. = GENERAL STRUCTURAL NOTES M.C.J. = MASONRY CONTROL JOINT

22 APR 2020

TABLE N5.4-1 (AISC 360) INSPECTION TASKS PRIOR TO WELDING		
INSPECTION TASKS PRIOR TO WELDING	QC	QA
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	Р	0
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Р Р	P P
MATERIAL IDENTIFICATION (TYPE/GRADE)	0	0
WELDER IDENTIFICATION SYSTEM ^a	0	0
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION	0	0
 DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) 		
TACKING (TACK WELD QUALITY AND LOCATION) BACKING TYPE AND FIT (IF APPLICABLE)		
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHUT BACKING (INCLUDING JOINT GEOMETRY)	Р	0
JOINT PREPARATION		
 DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) 		
TACKING (TACK WELD QUALITY AND LOCATION) CONFIGURATION AND FINISH OF ACCESS HOLES	0	0
FIT-UP OF FILLET WELDS	0	0
DIMENSIONS (ALIGNMENT, GAP AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES)		
· TACKING (TACK WELD QUALITY AND LOCATION) CHECK WELDING EQUIPMENT	0	_
THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A		las welded a
OINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYP	E	
TABLE N5.4-2 (AISC 360) INSPECTION TASKS DURING WELDING		
INSPECTION TASKS DURING WELDING	QC	QA
CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING	0	0
· EXPOSURE CONTROL		
NO WELDING OVER CRACKED TACK WELDS ENVIRONMENTAL CONDITIONS	0	0
WIND SPEED WITHIN LIMITS PRECIPITATION AND TEMPERATURE		
VPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT	0	0
TRAVEL SPEED SELECTED WELDING MATERIALS		
· SHIELDING GAS TYPE/FLOW RATE		
PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) PROPER POSITION (F. M. H. ON)		
· PROPER POSITION (F, V, H, OH) VELDING TECHNIQUES	0	0
INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE LIMITATIONS		
· EACH PASS MEETS QUALITY REQUIREMENTS		
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	Р	Р
TABLE N5.4-3 (AISC 360) INSPECTION TASKS AFTER TO WELDING		
INSPECTION TASKS AFTER WELDING	QC	QA
VELDS CLEANED	0	0
SIZE, LENGTH AND LOCATION OF WELDS	P	Р
VELDS MEET VISUAL ACCEPTANCE CRITERIA · CRACK PROHIBITION	Р	Р
WELD/BASE-METAL FUSION CRATER CROSS SECTION		
WELD PROFILES WELD SIZES		
· UNDERCUT · POROSITY		
ARC STRIKES	Р	Р
K-AREA a	P	P
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES b BACKING REMOVED AND WELD TABS REMOVED (IF REQ'D)	Р Р	P
SACIANO REMOVED AND WEED TABS REMOVED (II REQS)	Ρ	Р
REPAIR ACTIVITIES	P	P P
	P P	P P
OOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	P P O	P P O
OOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD	P P O RFORMED IN THE	P P O E k-AREA,
OOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD	P P O RFORMED IN THE	P P O E k-AREA,
OOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360)	P P O RFORMED IN THE	P P O E k-AREA,
OOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING	P P O RFORMED IN THE	P P O K-AREA, ARE WELDED,
OCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING	P P O RFORMED IN THE	P P O E k-AREA,
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OCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF	P P O RFORMED IN THE SECTION A3.1d) QC O	P P O E k-AREA, ARE WELDED, QA P
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DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CONRECTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DEPERATION	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O
OCCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF ITREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED IOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DEPERATION FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION,	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED ARE POSITIONED AS REQUIRED IOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPPERATION FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF ITHEADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED FORTHER TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION,	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF FIHREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING PRASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED IOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION "ASSTENER ASSEMBLIES, OF SUITABLE CONDITION PRIOR TO THE PRETENSIONING OPERATION "ASSTENER ASSEMBLIES, OF SUITABLE CONDITION PRIOR TO THE PRETENSIONING OPERATION "ASSTENER ASSEMBLIES, OF SUITABLE CONDITION PRIOR TO THE PRETENSIONING PERSONNEL OF THE WRENCH PREVENTED FROM ROTATING "ASSTENER ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, "ROCCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE N5.6-3 (AISC 360)	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING TO THE PRETENSIONING OPERATION FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED OINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PERSONNEL OBSERVED OINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PERSONNEL OBSERVED INSPECTION TASKS AFTER BOLTING	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE NS.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING ANAUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL CONNECTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED OINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DOPERATION FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O C K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O C K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING PASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DPERATION FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE N5.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O C K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB 1-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.10, AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING INSPECTION ASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS "ASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF FIREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PROFILE STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED IOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PERSONNEL OF SUITABLE CONDITION PRIOR TO THE PRETENSIONING PROFILE OF THE SOURT OF THE WELD HAVE AND THE FREE EDGES TABLE N5.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFT	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WEB L-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE NS. 6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURERS CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CONRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS. 6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING PRE-ASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IIF REQUIRED) ARE POSITIONED AS REQUIRED JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PREPERATION FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS INSPECTION TASKS AFTER BOLTING JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PREPERATION FASTENER SARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS. 6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING JOCUMENT ACCEPTANCE OR REJECTION OF	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD A FTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C), AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORNECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED ARE POSITIONED AS REQUIRED IOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DEPARTION "ASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED ARE POSITIONED AS REQUIRED IOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PREATION "ASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER AS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE N5.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING OCCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTION	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD A FITER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE NS.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF FIHREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTOCCTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED OINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PERSONNEL OF SASTEMEN ASSEMBLIES AND THE PREVENTED FROM ROTATING FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGHD POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTION PERFORM THESE TASKS FOR EACH CONDITION. PO PERFORM THESE TASKS FOR EACH CONDITION	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
COCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING ANAUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS CASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORRECT BOLTING PROCEDURE SELECTED FOR THE JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION NUD HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING PRESTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED, ARE POSITIONED AS REQUIRED OUNT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DIGNT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING PRESTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING PRESTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING PRESTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED, ARE POSITIONED AS REQUIRED OUT OF THE CONDITION PRIOR TO THE PRETENSIONING INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING OCCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTION PERFORM THESE TASKS FOR EACH CONDITION. PERFORM THESE TASKS FOR EACH CONDITION. OF DEFEROR THESE T	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O P O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
OCCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER RO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE NS.6-1 ((AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING ANNUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS CASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THEADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORNECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION IND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS FORE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED UND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE NS.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING PROPERATION ASSTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING INSPECTION TASKS AFTER BOLTING PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING PROPEDIX 1 TABLE 1.1 (SDI QA/QC-2011) INSPECTION OF BOLTED CONNECTION PROPEDIX 1 TABLE 1.1 (SDI QA/QC-2011) INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEN TASK VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DO	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O P O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O
OCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING ANNUFACTURERS CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORNECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION MID HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING INSPECTION TASKS DURING BOLTING FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED INSPECTION TASKS DURING BOLTING FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING FASTENER SARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES TABLE NS.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING OCCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTION PEPERORM THESE TASKS FOR EACH CONDITION. APPENDIX 1 TABLE 1.1 (SDI OA/	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O P O
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PE VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD A FITER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT UP HEAVY SHAPES (SEE VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS TABLE N5.6-1 (AISC 360) INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING INSPECTION TASKS PRIOR TO BOLTING MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) CORNECT FASTENERS SELECTED FOR THE JOINT DETAIL CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS TABLE N5.6-2 (AISC 360) INSPECTION TASKS DURING BOLTING PASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS IF REQUIRED) ARE POSITIONED AS REQUIRED JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING DPERATION "ASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING PASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROCESSING SYSTEMATICALLY FROM THE MOST RIGHD POINT TOWARD THE FREE EDGES TABLE N5.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTION PERFORM THESE TASKS FOR EACH CONDITION, PORTOGODY TOWARD THE FREE EDGES TABLE N5.6-3 (AISC 360) INSPECTION TASKS AFTER BOLTING ONCOURSE THESE ITEMS ON A RANDOM BASIS. APPENDIX 1 TABLE 1.1 (SDI QA/QC-2011) INSPECTION OR EXECUTION TASKS AFTER DECK PLACEM AND PROPORTION TASKS AFTER DECK PL	P P O RFORMED IN THE SECTION A3.1d) QC O O O O O O O O O O O O O O O O O O	P P O K-AREA, ARE WELDED, QA P O O O O O O O O O O O O O O O O O O

	APPENDIX 1 TABLI INSPECTION OR EXECUTION	•	•	ΙΤ	
	TASK			QC	QA
Α.	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABL	.E		OBSERVE	OBSERV
В.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSU	JMABLES AVAILAI	BLE	OBSERVE	OBSERV
c.	MATERIAL IDENTIFICATION (TYPE/GRADE)			OBSERVE	OBSERV
D.	CHECK WELDING EQUIPMENT			OBSERVE	OBSERV
	APPENDIX 1 TABLINSPECTION OR EXECUTION	•	•	IT	
	TASK			QC	QA
Α.	USE OF QUALIFIED WELDERS			OBSERVE	OBSER\
В.	CONTROL AND HANDLING OF WELDING CONSUMABLES			OBSERVE	OBSER\
С.	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE	T, TEMPERATURE)		OBSERVE	OBSER\
D.	WPS FOLLOWED	<u> </u>		OBSERVE	OBSER\
	APPENDIX 1 TABLINSPECTION OR EXECUTION	•	•	IT	
	TASK			QC	QA
Α.	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUP PERIMETER WELDS	PORT, SIDELAP,	AND	PERFORM	PERFOR
В.	WELDS MEET VISUAL ACCEPTANCE CRITERIA			PERFORM	PERFOR
c.	VERIFY REPAIR ACTIVITIES			PERFORM	PERFOR
D.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS			PERFORM	PERFOR
	APPENDIX 1 TABLINSPECTION OR EXECUTION	•	•	ΙΤ	
	TASK			QC	QA
Α.	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILAI FASTENERS	BLE FOR MECHAN	IICAL	OBSERVE	OBSER\
В.	PROPER TOOLS AVAILAIBLE FOR FASTENER INSTALLATION	ON		OBSERVE	OBSER\
c.	PROPER STORAGE OF MECHANICAL FASTENERS			OBSERVE	OBSER\
	APPENDIX 1 TABLINSPECTION OR EXECUTION	•	•	IT	
	TASK			QC	QA
A.	FASTENERS ARE POSITIONED AS REQUIRED			OBSERVE	OBSER\
В.	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MAN	UFACTURER'S IN	TRUCTIONS	OBSERVE	OBSER\
	APPENDIX 1 TABLINSPECTION OR EXECUTION	•	•	ΙΤ	
	TASK			QC	QA
Α.	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPOR			PERFORM	PERFOR
В.	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP			PERFORM	PERFOR
С.	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMET	TER FASTENERS		PERFORM	PERFOR
	VERIFY REPAIR ACTIVIES			PERFORM	PERFOR
E.	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICA	AL FASTENERS		PERFORM	PERFOR
_	SSERVE" SHALL MEAN INSPECT THESE ITEMS ON AN INTER RFORM" SHALL MEAN TO PERFORM THESE TASK PRIOR TO		NCE FOR EACH	I ITEM OR ELEM	ENT
	TABLE 170 REQUIRED SPECIAL INSPECTIONS OF OP	5.2.3 (IBC 2015) PEN-WEB STEEL		IST GIRDERS	
	ТҮРЕ	CONTINUOUS	PERIODIC	REFERENC	ED STANDA
	INSTALLATION OF OPEN WEB STEEL JOISTS AND				

TABLE 1 REQUIRED SPECIAL INSPECTIONS OF	705.2.3 (IBC 2015) OPEN-WEB STEEL J		IST GIRDERS
ТҮРЕ	CONTINUOUS	PERIODIC	REFERENCED STANDARDS ^a
INSTALLATION OF OPEN WEB STEEL JOISTS AND JOIST GIRDERS			
a. END CONNECTIONS - WELDING OR BOLTED	-	Х	SJI SPECIFICATIONS LISTED SECTION 2207.1
b. BRIDGING - HORIZONATAL OR DIAGONAL			
1. STANDARD BRIDGING	-	Х	SJI SPECIFICATIONS LISTED SECTION 2207.1
BRIDGING THAT DIFFERS FROM SJI SPECIFICATIONS LISTED IN SECTION 2207.1	-	Х	
^a WHERE APPLICABLE SEE ALSO SECTION 1705.12, SPECIA	L INSPECTIONS FOR	SEISMIC RESIST	TANCE.

VER	RIFICATION AND INSPECTION	CONT.	PERIODIO	REFERENCE STANDARDS ^a	IBC STANDARDS
1.	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND PLACEMENT	-	Х	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2.	REINFORCING BAR WELDING: ^c a. VERIFYWELDABILITY OF REINFORCING BARS OTHER	-	X	AWS D1.4 ACI 318: 26.6.4	-
	THAN ASTM A706 b. INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16"; AND	-	Х		
	c. INSPECT ALL OTHER WELDS	Х	-		
3.	INSPECT ANCHORS CAST IN CONCRETE	-	Х	ACI 318: 17.8.2	-
4.	INSPECT ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS b: a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	Х	-	ACI 318: 17.8.2.4	-
	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a	-	X	ACI 318: 17.8.2	
5.	VERIFYING USE OF REQUIRED DESIGN MIX	-	Х	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
6.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Х	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
7.	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Х	-	ACI 318: 26.5	1908.6, 1908.7 1908.8
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	Х	ACI 318: 26.5.3-26.5.5	1908.9
9.	INSPECTION OF PRESTRESSED CONCRETE: a. APPLICATION OF PRESTRESSING FORCES; AND b. GROUTING OF BONDED PRESTRESSING TENDONS	X X		ACI 318: 26.10	-
10.	INSPECT ERECTION IF PRECAST CONCRETE MEMBERS	-	Х	ACI 318: 26.8	-
11.	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	Х	ACI 318: 26.11.2	-
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEBER BEING FORMED	-	Х	ACI 318: 26.11.1.2(b)	-

SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF

SPECIAL INSPECTIONS OF WELDING AND QUALIFICATIONS OF SPECIAL INSPECTORS FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR SPECIAL INSPECTION AND OF AWS D1.4 FOR SPECIAL INSPECTOR QUALIFCATIONS

SPECIA	L INSPECTION FOR MASONRY CONSTRUCTION (TMS 402, ACI 530, ASCE 5) LEVEL A QUALITY ASSURANCE PROGRAM
	MINIMUM TESTS
	NONE
	MINIMUM INSPECTION
	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS

SPECIAL INSPECTION FOR MASONRY CONSTRUCTION (TMS 402, ACI 530, ASCE 5) LEVEL B QUALITY ASSURANCE PROGRAM
MINIMUM TESTS
VEDICICATION OF CLUMP FLOW AND VICUAL STABILITY INDEX (VS). AS DELIVEDED TO DROJECT SITE IN ACCORDANCE WITH

VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.b.3 FOR SELF CONSOLIDATING GROUT VERIFICATION OF f'm AND f'AAC IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE

MINIMUM I	NSPECTIO	N		
INSPECTION TASK	FREQU	ENCY (a)	REFERENCE F	FOR CRITERIA
	CONT.	PERIODIC	TMS 402/ ACI 530/ ASCE 5	TMS 602/ ACI 530.17 ASCE 6
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	-	Х		ART 1.5
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
a. PROPORTIONS OF SITE-PREPARED MORTAR	-	X		ART 2.1, 2.6A
b. CONSTRUCTION OF MORTAR JOINTS	-	X		ART 3.3B
c. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	-	X		ART 2.4B, 2.4H
d. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X		ART 3.4, 3.6A
e. PRESTRESSING TECHNIQUE	_	X		ART 3.6B
f. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	$X^{(b)}$	X(c)		ART 3.05 ART 2.1C
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN				
COMPLIANCE:				
a. GROUT SPACE		X		ART. 3.2 D 3.2 F
b. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		X	SEC 1.16	ART 3.4, 2.4
c. GRADE AND SIZE OF PRESTRESSING TENDONS AND		X	SEC 1.16	ART 3.2E, 3.4, 3.6A
ANCHORAGES			3200	711(1 3122, 31 1, 3107)
d. PROPORTIONS OF SITE-PREPARED GROUT AND		X		ART 2.6B, 2.4 G.1.b
PRESTRESSING GROUT FOR BONDED TENDONS				
e. CONSTRUCTION OF MORTAR JOINTS		X		ART 3.3B
4. VERIFY DURING CONSTRUCTION:				
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X	SEC 1.16.4.3, 1.17.1	ART 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO		^	SEC 1.10.4.3, 1.17.1	
STRUCTURAL MEMBERS, FRAMES OR OTHER				
CONSTRUCTION				
c. WELDING OF REINFORCEMENT	Χ		SEC. 2.1.7.7.2,	
		X	3.3.3.4 (c),	
1 DDEDARATION CONSTRUCTION AND DROTECTION OF			8.3.3.4 (b)	ADT 4 0 C 4 0 D
d. PREPARATION, CONSTRUCTION AND PROTECTION OF				ART 1.8 C, 1.8 D
MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER	Х			ART 3.6 B
(TEMPERATURE ABOVE 90°F (32.2°C))	^			AIN 3.0 D
e. APPLICATION AND MEASUREMENT OF PRESTRESSING	Χ			ART 3.5, 3.6 C
FORCE				
f. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X _(p)	X(c)		ART 3.3 B.8
g. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS				
5.OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR		X		ART 1.4 B.2.a.3,
SPECIMENS, AND/OR PRISMS				1.4 B.2.b.3,
				1.4 B.2.c.3, 1.4 B.3

FREQUENCY REFERS TO THE FREQUENCY OF INSPECTIONS, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE. REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

MINIMUM TESTS VERIFICATION OF f'm AND f'AAC IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION AND FOR EVERY 5000 SQ. FT. DURING CONSTRUCTION VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT AND GROUT

SPECIAL INSPECTION FOR MASONRY CONSTRUCTION (TMS 402, ACI 530, ASCE 5) LEVEL C QUALITY ASSURANCE PROGRAM

OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.b.3 FOR SELF CONSOLIDATING GROUT

INSPECTION TASK	FREQU	ENCY (a)	REFERENCE F	FOR CRITERIA
	CONT.	PERIODIC	TMS 402/ ACI 530/ ASCE 5	TMS 602/ ACI 530.1/ ASCE 6
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X		ART 1.5
2. VERIFY THE FOLLOWING ARE IN COMPLIANCE: a. PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS		Х		ART 2.1, 2.6A, 2.6B, 2.6C, 2.4 G.1.b
 GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS AND PRESTRESSING TENDONS AND ANCHORAGES 		X	SEC 1.16	ART 2.4, 3.4 ART 3.3B
 c. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS 		X		
 d. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES 	X		SEC 1.16	ART 3.2E, 3.4, 3.6A
 e. GROUT SPACE PRIOR TO GROUTING f. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS 	X			ART 3.2D, 3.2F ART 3.5, 3.6C
g. SIZE AND LOCATION OF STRUCTURAL ELEMENTS h. TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES AND OTHER CONSTRUCTION	Х	X	SEC 1.16.4.3, 1.17.1	ART 3.3F
i. WELDING OF REINFORCEMENT	Х		SEC 2.17.7.2, 3.3.3.4(c), 8.3.3.4(b)	
j. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))		X	, ,	ART 1.8C, 1.8D
k. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X			ART 3.6B
I. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X			ART 3.3 B.8
m. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X			ART 2.1 C.1
3. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	Х			ART 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4

TYPE	CONTINUOUS	PERIODIC
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	Х
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	Х
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	Х
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Х	-
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	Х

	TYPE	CONTINUOUS	PERIODIC
1.	VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS	Х	-
2.	DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED	X	-
3.	INSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	Х	-
4.	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.	Х	-
5.	FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2	-	-
6.	FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3	-	-
I	FOR SPECIALITY ELEMENTS, PERFORM ADDITIONAL NSPECTIONS AS DETERMINED BY THE REGISTERED PROFESSIONAL IN RESPONSIBLE CHARGE.	-	-

VERI	IFICATION AND INSPECTION	CONTINUOUS	PERIODIC
	INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	Х	-
	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	Х	-

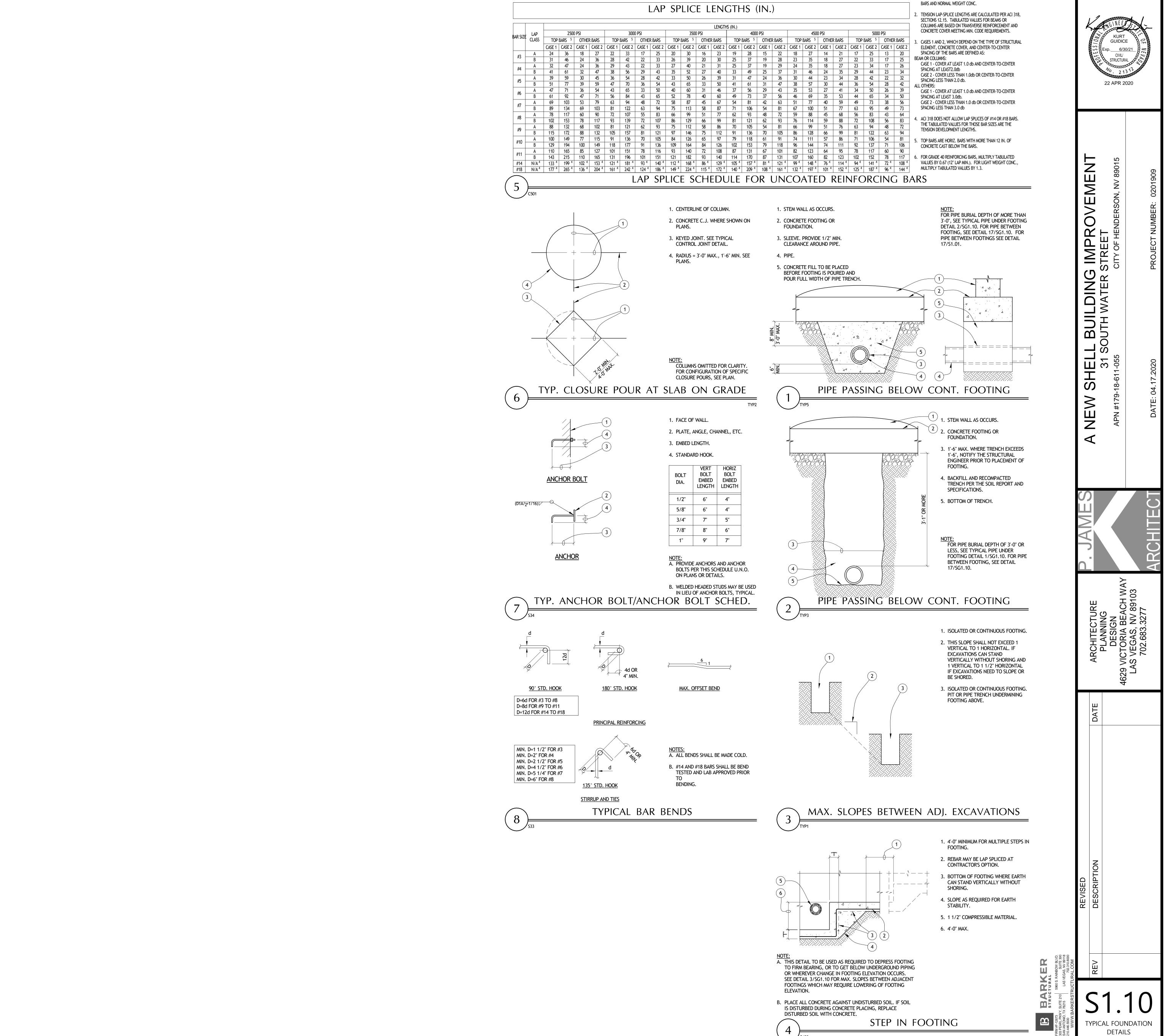
THE TYPE AND FREQUENCY OF TESTING REQUIRED SHALL BE THE MINIMUM AS REQUIRED BY THE BUILDING DEPARTMENT. THE TYPE AND FREQUENCY OF OF SPECIAL INSPECTIONS REQUIRED SHALL BE THE MINIMUM AS REQUIRED BY THE BUILDING

THE REQUIRED FREQUENCY AND DISTRIBUTION OF TESTING AND SPECIAL INSPECTION REPORTS SHALL BE A MINIMUM AS REQUIRED BY THE BUILDING DEPARTMENT.

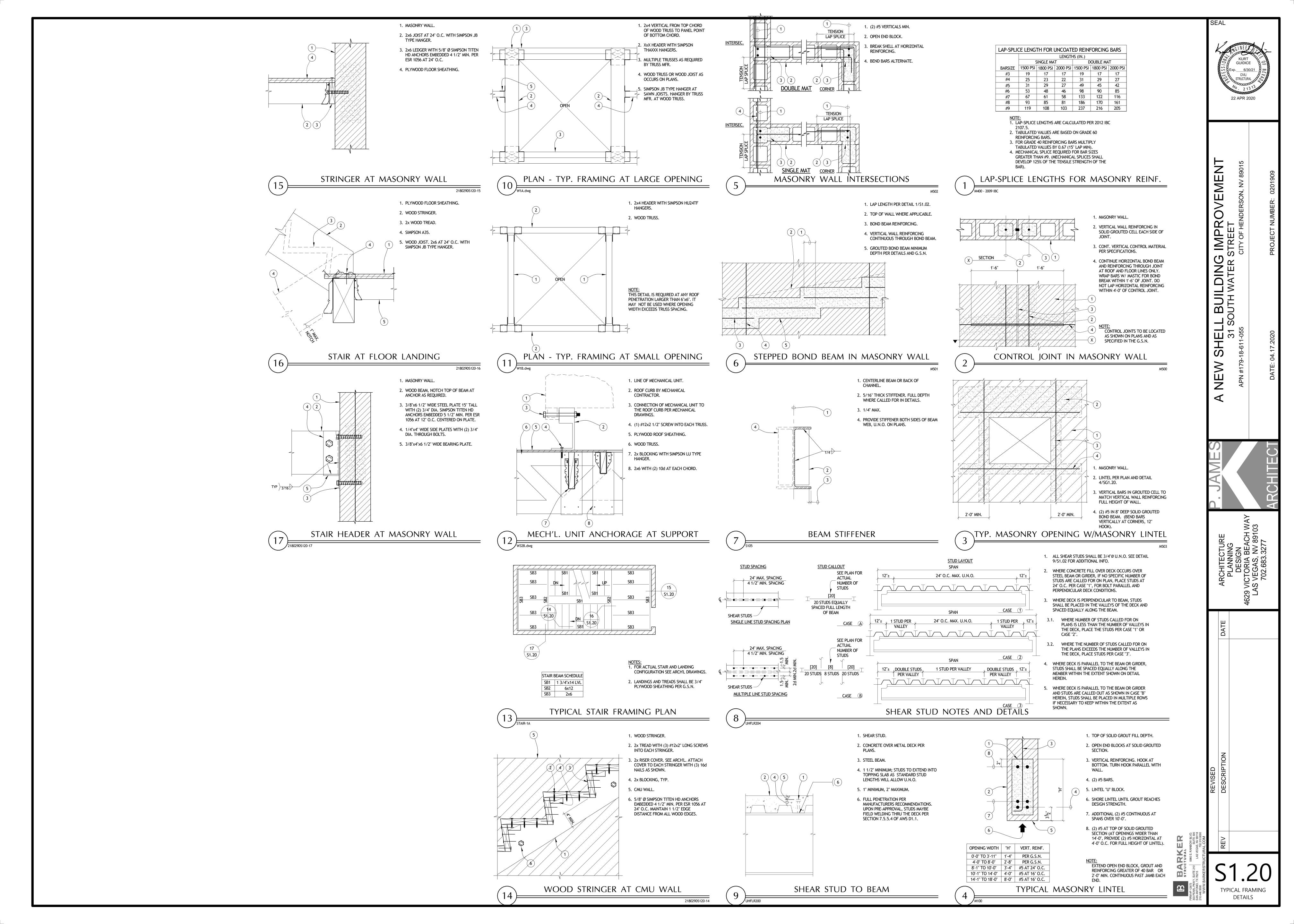
SPECIAL INSPECTION IS REQUIRED FOR NONSTRUCTURAL COMPONENTS PER SECTIONS 1705.11.5 THROUGH 1705.11.7 OF THE IBC. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

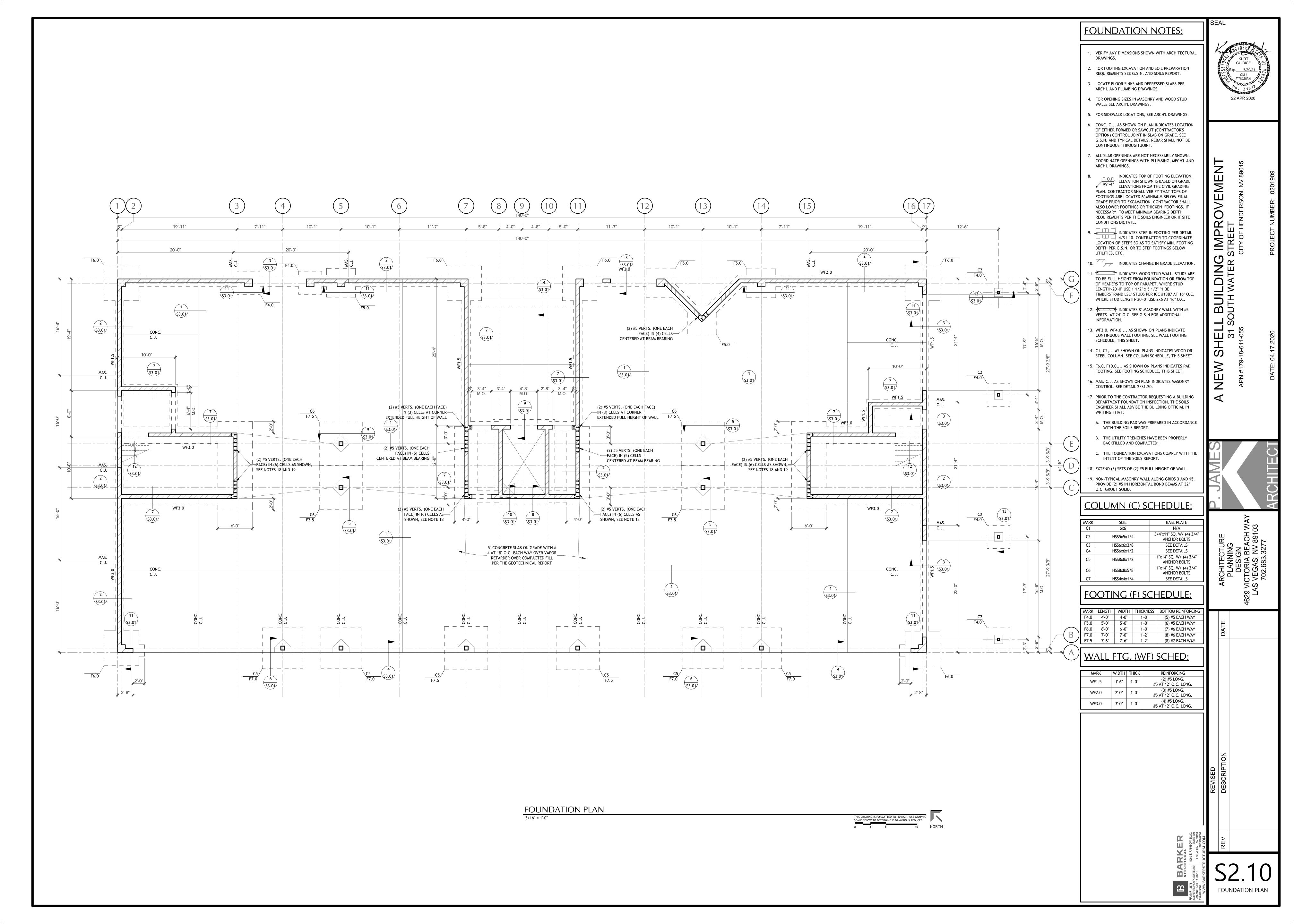
VEME

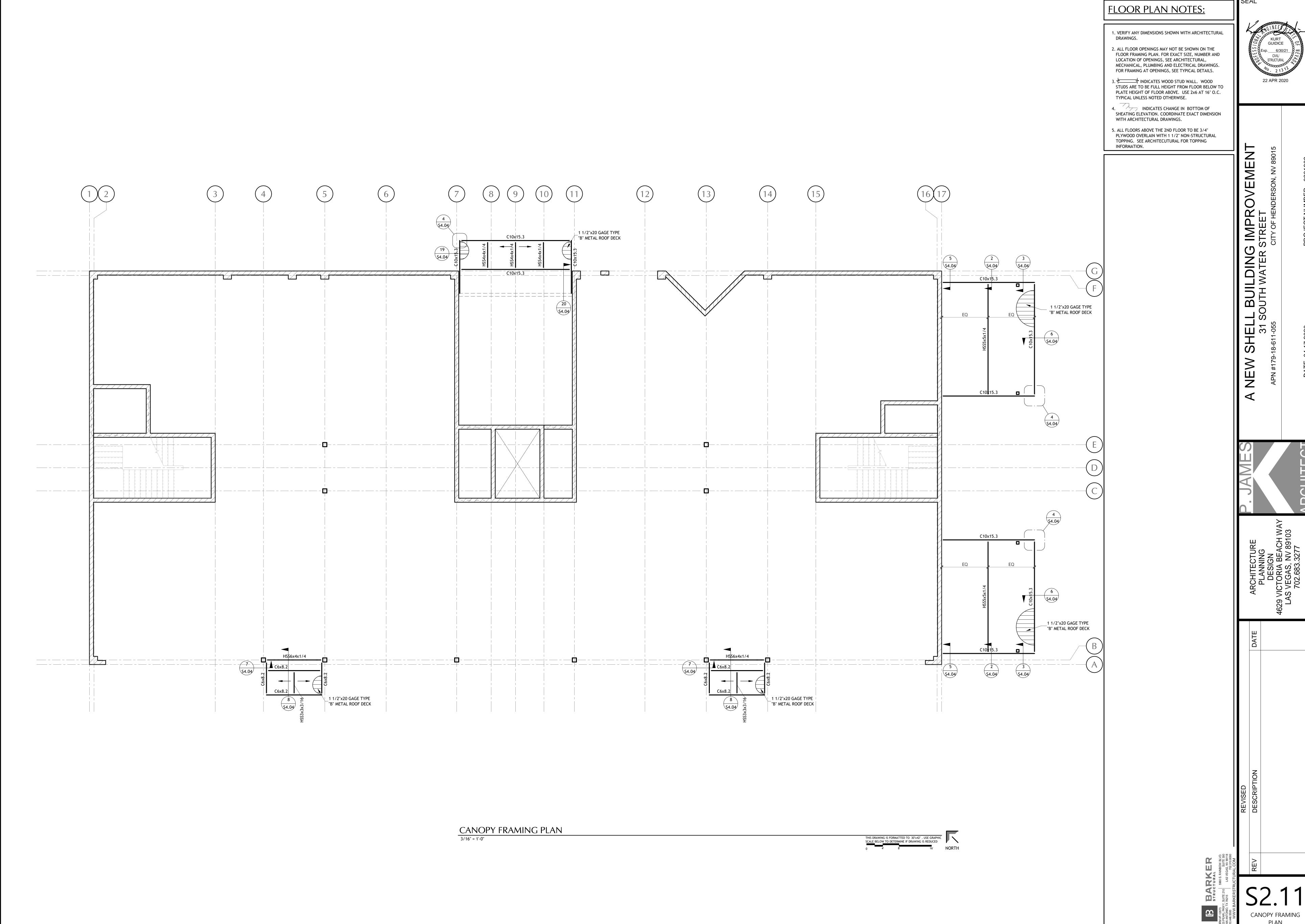


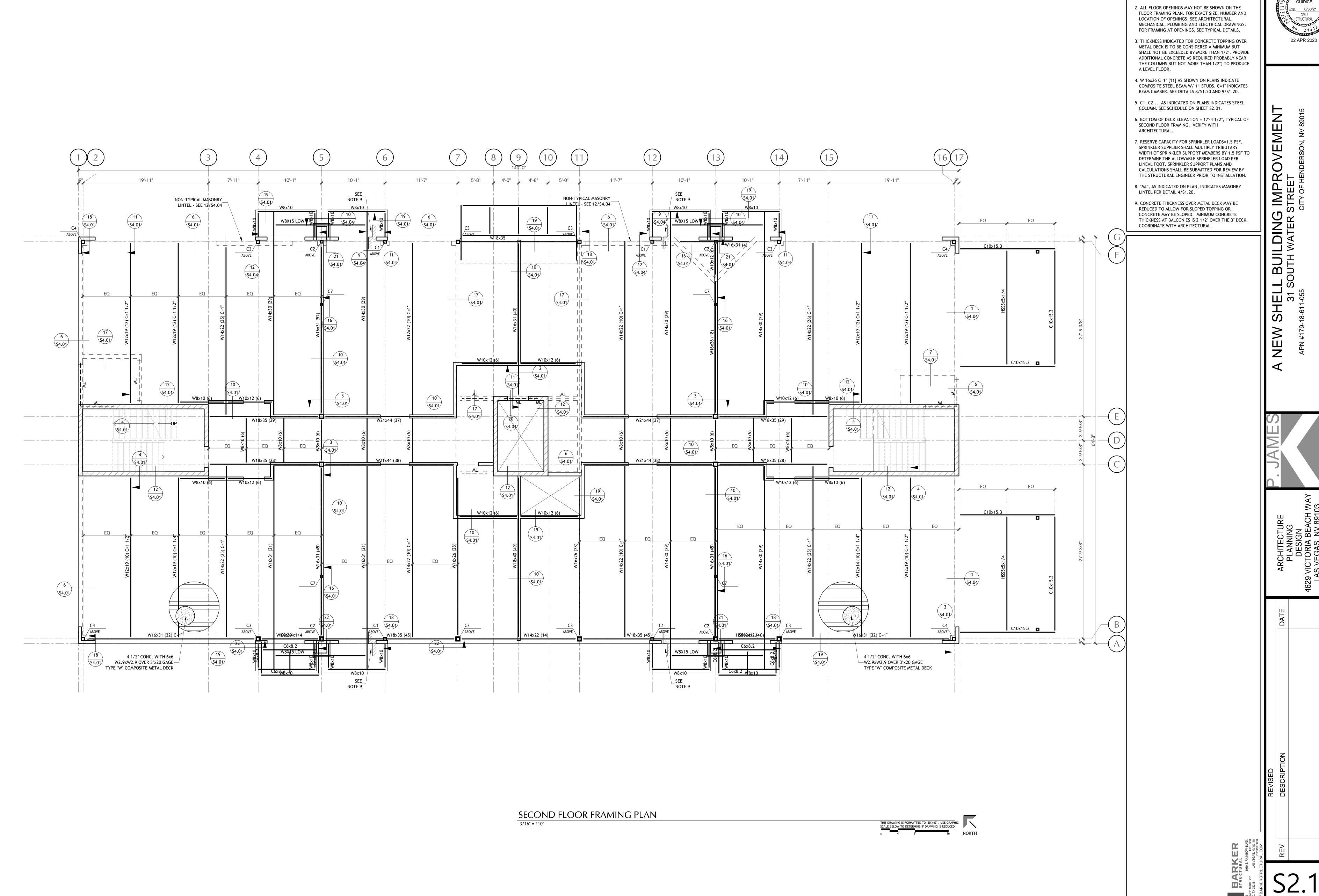


1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING





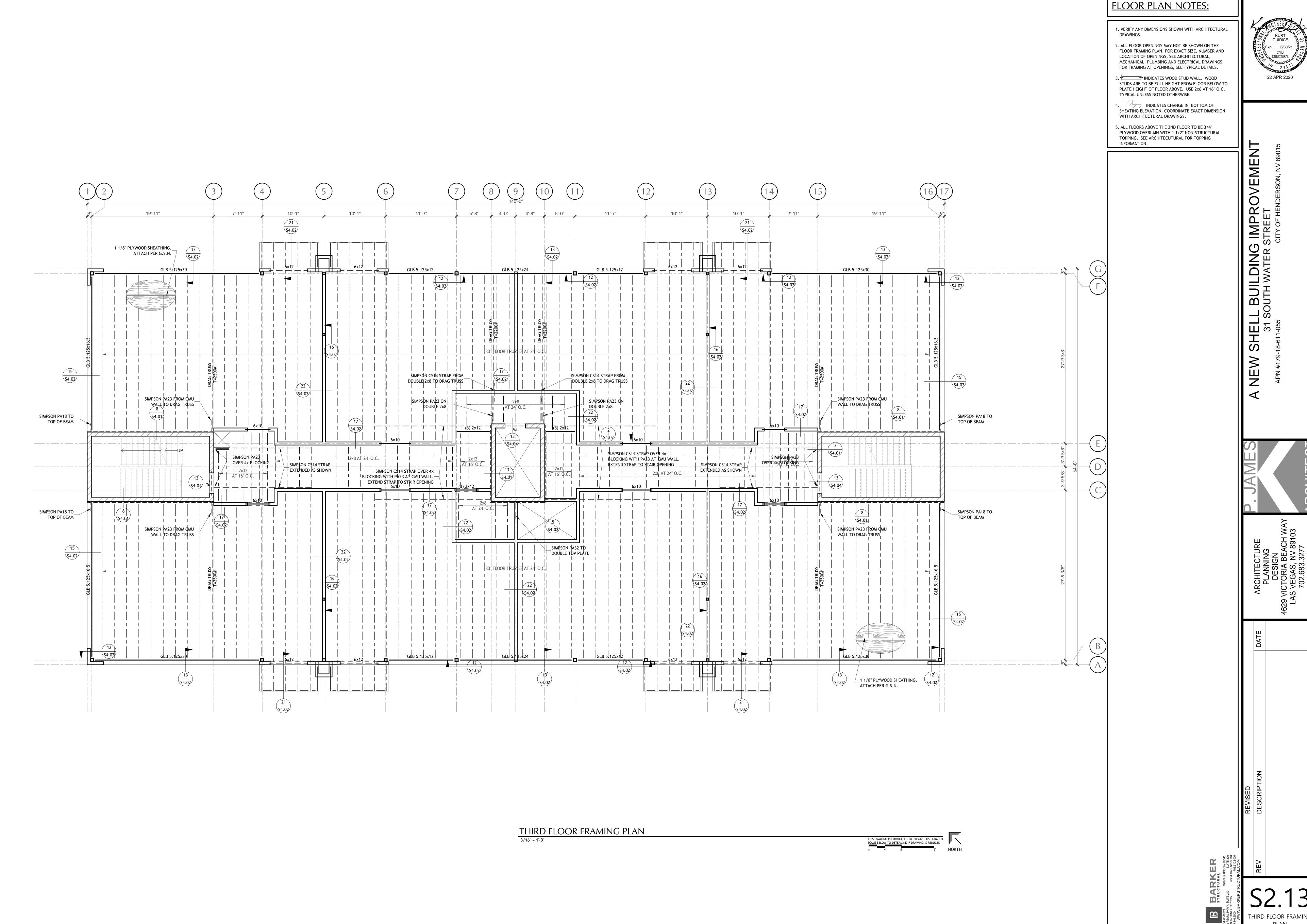


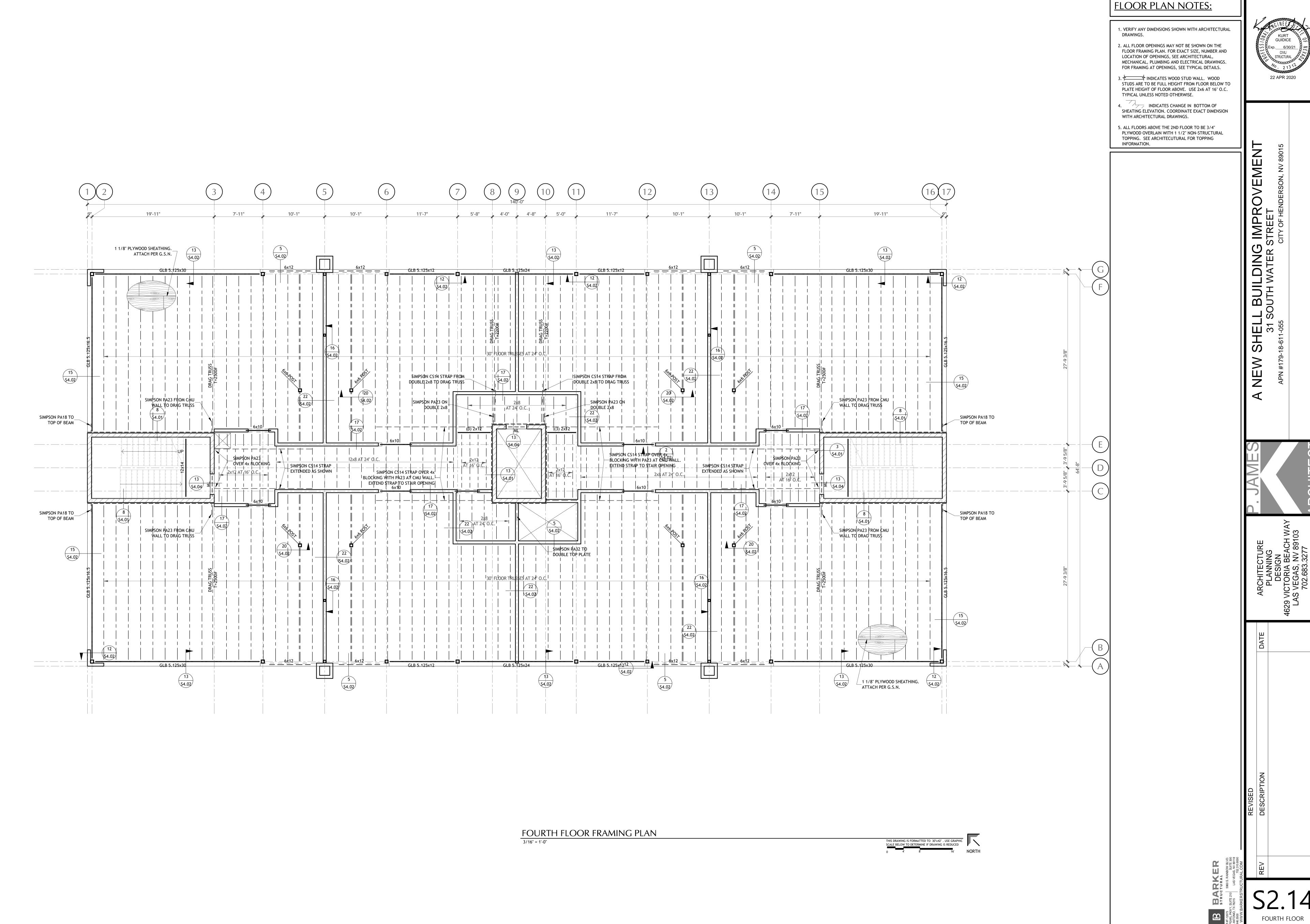


FLOOR PLAN NOTES:

1. VERIFY ANY DIMENSIONS SHOWN WITH ARCHITECTURAL

FRAMING PLAN





FRAMING PLAN

