11. SEE SECTION 7/S2.1 FOR TYPICAL OUTDOOR MECHANICAL EQUIPMENT PADS.

12. SEE SHEETS S4.1 AND S4.2 FOR COLUMN SCHEDULE AND DETAILS.

13. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

	FLOOR FRAMING NOTE	<u>s</u>	
DESIGN LIVE I	LOADS:		
	OFFICES	50 PSF	
	CORRIDORS, LOBBIES, & COURTROOMS	80 PSF	
	STAIRS AND EXITS	100 PSF	

+15 PSF

5" (OVERALL) CONC. SLAB W/ 6x6-W2.9/W2.9 WWF ON 2" x 20 GA. COMPOSITE METAL BOLSTERS AT MID-DEPTH OF SLAB, HALF-WAY BETWEEN THE TOP OF DECK RIBS 1/S5.3 FOR TYPICAL DECK ATTACHMENT TO SUPPORTING STRUCTURE. INDICATES NUMBER OF 3/4" DIAM. x 3 1/2" LG. HEADED STUDS. SEE DETAILS 6/S5.2 AND 7/S5.2 FOR STUD PLACEMENT AND SECTION 8/S5.2 FOR FLOOR FINISHING REQUIREMENTS. INDICATES FLOOR OPENING. DETERMINE EXACT SIZE AND LOCATION FROM ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT ALL OPENINGS ARE SHOWN ON

THE STRUCTURAL DRAWINGS. SEE SECTION 3/S5.3 FOR FRAMING OF ALL OPENINGS

FOLIAL TO OR GREATER THAN 12" SQUARE OR DIAMETER ADDITIONAL FRAMING IS

SEE PLAN FOR TOP OF STRUCTURAL STEEL AND/OR DECK BEARING ELEVATION. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE. SLABS ON METAL DECK ARE TO BE FINISHED TO A THEORETICAL LEVEL. THICKNESSES GIVEN ARE APPLICABLE AT COLUMNS. BEARING WALLS, AND OTHER RIGID SUPPORTING ELEMENTS. SLABS

MAY, THEREFORE, BE THICKER AT MID-SPAN OF SUPPORT DUE TO DEFLECTION UNDER WET

CONCRETE. THE CONTRACTOR IS TO CONSIDER THE VOLUME OF THIS ADDITIONAL CONCRETE IN

7. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

PARTITIONS

FLOOR CONSTRUCTION:

DESIGN LIVE/SNOW LOADS:

ROOF LIVE

		ROOF SNOW WIND (NET UPLIFT)	20 PSF + DRIFT -10 PSF
2.	ROOF CONSTI	RUCTION:	
		1-1/2" x 22 GA WIDE RIB METAL ATTACHMENT TO SUPPORTING	DECK. SEE SECTION 2/S5.3 FOR TYPICAL S STRUCTURE.
3.		ARCHITECTURAL AND MECHAN	ETERMINE EXACT SIZE AND LOCATION FROM NICAL DRAWINGS. NOT ALL OPENINGS ARE SHOWN ON . SEE SECTION 4/S5.3 FOR FRAMING OF ALL OPENINGS 12" SQUARE OR DIAMETER.
4.	1 1 2 m	INDICATES SNOW DRIFT LOAD SHOWN UNLESS NOTED OR SO	ON ROOF. JOISTS HAVE BEEN SIZED FOR THE LOAD CHEDULED OTHERWISE.

ROOF FRAMING NOTES

CONTRACTOR. TOLERANCE FOR LOCATION OF ACTUAL UNIT IS 2 FEET IN ANY SUPPORT FRAME PER SECTION 5/S5.3 AND REINFORCE JOISTS AT SUPPORT LOCATIONS PER SECTION 6/S5.3. INDICATES AREA DESIGNATED TO RECEIVE PHOTOVOLTAIC ARRAYS. STRUCTURE HAS BEEN DESIGNED FOR AN ADDITIONAL LOAD OF 8 PSF.

INDICATES MECHANICAL LOAD SUPPORTED ON ROOF. COORDINATE FINAL SIZE,

WEIGHT, LOCATION, AND OPENING REQUIREMENTS WITH MECHANICAL

TOP OF STRUCTURAL STEEL, JOIST BEARING, OR TRUSS BEARING ELEVATION NOTED ON PLAN. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE. ALL JOISTS ARE TO BE DESIGNED FOR NET UPLIFT AS DEFINED IN DESIGN LOADS ABOVE. PROVIDE

REINFORCE JOISTS AT CONCENTRATED LOADS PER SECTION 6/S5.3.

10. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

GENERAL FRAMING NOTES

INDICATES BEAM-TO-BEAM MOMENT CONNECTION PER SECTION 1/S5.2 OR BEAM-TO-COLUMN MOMENT CONNECTION PER SECTION 2/S5.2. INDICATES UNFACTORED (ASD) BEAM REACTION IN KIPS. FABRICATOR TO PROVIDE CONNECTION ADEQUATE TO SUPPORT LOAD GIVEN. WHERE REACTIONS ARE NOT GIVEN, DESIGN NON-COMPOSITE BEAM CONNECTIONS FOR 110% OF THE UNIFORM LOAD CAPACITY LISTED IN THE AISC MANUAL (55% EACH END). COMPOSITE BEAM CONNECTIONS ARE TO BE DESIGNED FOR 160% OF THE UNIFORM LOAD CAPACITY (80% EACH END).

INDICATES COLUMN ABOVE. SEE SECTION 3/S5.2 FOR WEB REINFORCING BELOW COLUMN BASE PLATE.

JOINTS IS NOT TO EXCEED 100 FEET IN ANY DIRECTION. PROVIDE CONTROL JOINTS AT COLUMNS PER DETAIL 9/S2.1. COORDINATE CONTROL JOINT LAYOUT WITH SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN. ARCHITECTURAL FLOOR FINISH PATTERNS INDICATES RECESSED SLAB AREA. VERIFY LOCATION, SIZE, DEPTH, AND QUANTITY CAMBER IS NOT REQUIRED IN STEEL BEAMS UNLESS INDICATED BY "C=".

OF ALL RECESSED SLABS AND SLOPES WITH ARCHITECTURAL DRAWINGS AND PROVIDE 1/4" SETTING PLATE AND 3/4" ANCHOR BOLTS AT ALL BEAM AND BEAM LINTEL BEARING FLOOR FINISH SCHEDULE.

OCATIONS ON MASONRY CONSTRUCTION AS SHOWN IN SECTIONS 4/S5.2 AND 5/S5.2. 4. REFER TO DIVISION 31 SPECIFICATIONS FOR DEPTH AND PLACEMENT OF DRAINAGE FILL AND SEE SHEETS S4.1 AND S4.2 FOR COLUMN SCHEDULE AND DETAILS DIVISION 3 FOR VAPOR BARRIER OR RETARDER BELOW SLABS ON GRADE. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION. REFERENCE SPECIFICATIONS FOR CONCRETE MIX TO BE USED AT POLISHED/STAINED CONCRETE

6. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

SLAB CONSTRUCTION:

SLAB NOTES

4" CONCRETE SLAB ON GRADE W/ 6x6 W2 9/W2 9 WWF, OVER 15-MIL, VAPOR

WITH THICKNESS OF ARCHITECTURAL FINISHED FLOOR PRODUCTS.

FLOOR SLABS. SLAB CONTROL/CONSTRUCTION JOINTS SHALL BE LOCATED IN COORDINATION WITH

THE POLISHED/STAINED CONCRETE FLOOR FINISHES/COLORS INDICATED ON THE ARCHITECTURAL

FLOOR FINISH DRAWINGS. CONTRACTOR TO SUBMIT CONTROL JOINT LAYOUT DRAWINGS FOR

REVIEW AND APPROVAL WITH SAW CUT LOCATIONS AND POLISHED CONCRETE PATTERING

BARRIER, OVER 4" COMPACTED STONE SUBBASE. MESH IS TO BE SUPPORTED

DURING CONCRETE PLACEMENT ON CHAIRS OR BOLSTERS AT MID-DEPTH OF SLAB SEE PLAN FOR FINISHED FLOOR ELEVATIONS. COORDINATE TOP OF SLAB ELEVATION

INDICATES SLAB CONTROL/CONSTRUCTION JOINT PER SECTION 8/S2.1. CONTROL

JOINTS ARE TO BE LOCATED IN AREAS SHOWN AT A SPACING NOT TO EXCEED 12-0" O.C. UNLESS DIMENSIONED OTHERWISE. DISTANCE BETWEEN SLAB CONSTRUCTION

MASONRY WALL NOTES

INDICATES MASONRY WALL REINFORCING TYPE PER SCHEDULE. ALL REINFORCING IS TO RUN FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE. WHERE SPACING OF VERTICAL REINFORCING IS INTERRUPTED BY OPENING IN WALL (DOOR, WINDOW, LOUVER, ETC.) PROVIDE ONE FULL-HEIGHT REINFORCING BAR AT EACH JAMB FOR EACH 6'-0" OF OPENING WIDTH. SEE SCHEDULE ON SHEET S0.1 FOR LENGTH OF LAP

SEE SECTION 1/S5.1 FOR TYPICAL MASONRY BOND BEAM LINTELS. USE STANDARD SCHEDULED BOND BEAM LINTELS FOR ALL OPENINGS IN MASONRY WALLS UNLESS NOTED OTHERWISE SEE SECTION 2/S5.1 FOR TYPICAL VENEER LINTELS. USE STANDARD SCHEDULED VENEER LINTELS FOR ALL OPENINGS IN BRICK OR MASONRY VENEERS UNLESS NOTED OTHERWISE

NOT ALL LINTELS ARE SHOWN ON THESE PLANS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, WIDTH, HEIGHT, AND ELEVATION OF ALL EXPOSED OPENINGS. COORDINATE LOCATION, WIDTH, HEIGHT, AND ELEVATION OF ALL CONCEALED OPENINGS WITH APPROPRIATE TRADE CONTRACTOR

LINTELS ARE NOT REQUIRED FOR OPENINGS IN CMU WALLS LESS THAN 16" WIDE AND IN BRICK VENEERS LESS THAN 8" WIDE. MASONRY CONTRACTOR IS TO COORDINATE ALL OPENING REQUIREMENTS WITH APPROPRIATE TRADE CONTRACTOR. SEE SECTION 3/S5.1 FOR SPACING LIMITS ON INDIVIDUAL PIPE PENETRATIONS.

SEE ELEVATION A/S5.1 FOR TYPICAL REINFORCED MASONRY WALL CONSTRUCTION. PROVIDE CORNER BARS AT ALL MASONRY BOND BEAM INTERSECTIONS PER DETAIL 4/S5.1. INSTALL VENEER LEDGE ANGLES PER SECTION 5/S5.1.

PROVIDE CONTROL JOINTS IN ALL MASONRY WALLS AT A SPACING NOT TO EXCEED THREE TIMES THE WALL HEIGHT OR 24 FEET ON CENTER, WHICHEVER IS SMALLER. IN ADDITION, PROVIDE CONTROL JOINTS AT THE ENDS OF LINTELS, CHANGES IN WALL HEIGHT, CHANGES IN WALL THICKNESS, WITHIN 2 FEET OF WALL CORNERS AND INTERSECTIONS, TRANSITIONS FROM INTERIOR WALL TO EXTERIOR WALL, AND TRANSITIONS FROM WALL BEARING ON FOUNDATION TO WALL BEARING ON FLOOR SLAB.

8. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

IN ACCORDANCE WITH CHAPTER 17 OF THE REFERENCE BUILDING CODE, THE OWNER SHALL EMPLOY INSPECTION AGENCIES TO PERFORM SPECIAL INSPECTIONS DURING CONSTRUCTION INCLUDING INSPECTIONS OF SHOP-FABRICATED ITEMS WHEN APPLICABLE. ALL INSPECTION AGENCIES, INCLUDING FABRICATION FACILITIES WHEN REQUIRED, SHALL BE QUALIFIED AND APPROVED BY THE BUILDING OFFICIAL. REFER TO OTHER DISCIPLINES FOR SPECIAL INSPECTIONS OF NON-STRUCTURAL

SYSTEMS.			
TABLE 1	STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTU	RAL DISCIPLINE	
	REQUIRED SPECIAL INSPECTIONS AND TESTS FOR SOIL	S	
	ТҮРЕ	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
 VERIFY MATERIALS BELOW CAPACITY. 	SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING		Х
2. VERIFY EXCAVATIONS ARE	EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		Х
PERFORM CLASSIFICATION	AND TESTING OF COMPACTED FILL MATERIALS.		Х
4. VERIFY USE OF PROPER MA	ATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND	Х	

4.	VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Х	
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		Х
	REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONS		
	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1.	INSPECT REINFORCEMENT AND VERIFY PLACEMENT.		Χ
2.	INSPECT ANCHORS CAST IN CONCRETE.		Χ
3.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		
	 ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. 	x	
	B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.		Χ
4.	VERIFY USE OF REQUIRED DESIGN MIX.		Х
5.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	
6.	INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.		Х
7.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		Х
8.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		Х

IN ACCORDANCE WITH ARTICLE 1.5.1.6.3 FOR SELF CONSOLIDATING GROUT			
VERIFICATION OF f_m AND f_{AAG} IN ACCORDANCE WITH ARTICLE 1.4B PRIOR TO CONSTRUCTION,			
EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE COD	Е.		
MINIMUM SPECIAL INSPECTION			
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.		Х	
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
A. PROPORTIONS OF SITE-PREPARED MORTAR.		X	
B. CONSTRUCTION OF MORTAR JOINTS.		X	
C. LOCATION OF REINFORCEMENT AND CONNECTORS.		X	
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
A. GROUT SPACE.		X	
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS.		X	
C. PLACEMENT OF REINFORCEMENT AND CONNECTORS.		X	
D. PROPORTIONS OF SITE-PREPARED GROUT.		X	
E. CONSTRUCTION OF MORTAR JOINTS.		X	
4. VERIFY DURING CONSTRUCTION:			
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.		X	
B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.		X	
C. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ADOLE 20° E)		X	

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION		
 WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM 		X		
 SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS. 		Х		
3. COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER.				
 A. VERIFY TEMPORARY RESTRAINT/BRACING AND PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING INSTALLED. 		х		
REQUIRED SPECIAL INSPECTIONS AND TESTS OF OPEN-WEB STEEL JOISTS				
ТҮРЕ	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION		

SYSTEMS.			
TABLE 1	STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTUR	AL DISCIPLINE	
	REQUIRED SPECIAL INSPECTIONS AND TESTS FOR SOILS		
	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
 VERIFY MATERIALS BELO CAPACITY. 	W SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING		Х
2. VERIFY EXCAVATIONS AR	E EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		Х
PERFORM CLASSIFICATION	ON AND TESTING OF COMPACTED FILL MATERIALS.		Х
 VERIFY USE OF PROPER I COMPACTION OF COMPAGE 	MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND CTED FILL.	X	
 PRIOR TO PLACEMENT OF PREPARED PROPERLY. 	COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN		Х
	REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONS	TRUCTION	
	ТҮРЕ	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. INSPECT REINFORCEMEN	IT AND VERIFY PLACEMENT.		Х
2. INSPECT ANCHORS CAST	IN CONCRETE.		X
A. ADHESIVE ANCH	-INSTALLED IN HARDENED CONCRETE MEMBERS. ORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS AINED TENSION LOADS.	Х	
B MECHANICAL AN	CHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A		l x

	SPECIAL INSPECTION	SPECIAL INSPECTION
INSPECT REINFORCEMENT AND VERIFY PLACEMENT.		Х
2. INSPECT ANCHORS CAST IN CONCRETE.		Х
3. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS	X	
TO RESIST SUSTAINED TENSION LOADS.	^	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.		X
4. VERIFY USE OF REQUIRED DESIGN MIX.		X
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP	X	
AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	^	
INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.		X
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		Х
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING		Х
FORMED.		^
'LEVEL B' QUALITY ASSURANCE REQUIRED SPECIAL INSPECTIONS AND TESTS OF	MASONRY CONSTRUCTION	
MINIMUM TESTS VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERE	D TO THE DDO IFOT OITE	
IN ACCORDANCE WITH ARTICLE 1.5.B.1.b.3 FOR SELF CONSOLIDATI		
VERIFICATION OF f_m AND f_{AAC} IN ACCORDANCE WITH ARTICLE 1.4B PRIOR T		
EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE		
MINIMUM SPECIAL INSPECTION		
TYPE	CONTINUOUS	PERIODIC
	SPECIAL INSPECTION	SPECIAL INSPECTION
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.		Х
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
A. PROPORTIONS OF SITE-PREPARED MORTAR.		X
B. CONSTRUCTION OF MORTAR JOINTS.		X
C. LOCATION OF REINFORCEMENT AND CONNECTORS.		Х
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
A. GROUT SPACE.		X
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS.		X
C. PLACEMENT OF REINFORCEMENT AND CONNECTORS.		X
D. PROPORTIONS OF SITE-PREPARED GROUT.		X
E. CONSTRUCTION OF MORTAR JOINTS.		X
4 VERIEV DURING CONSTRUCTION:		

REQUIRED SPECIAL INSPECTIONS AND TESTS OF COLD-FORMED STEEL — L	IGHT FRAME CONSTRUCTION			
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION		
1. WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM		X		
SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS.		X		
COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER. A. VERIFY TEMPORARY RESTRAINT/BRACING AND PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING INSTALLED.		X		
REQUIRED SPECIAL INSPECTIONS AND TESTS OF OPEN-WEB STEEL JOISTS				
	CONTINUOUS			

REQUIRED SPECIAL INSPECTIONS AND TESTS OF COLD FORMED STEEL _ LIGHT FRAME CONSTRUCTION

D. PLACEMENT OF GROUT.

5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS

RESTRAINT/BRACING INSTALLED.			
REQUIRED SPECIAL INSPECTIONS AND TESTS OF OPEN-WEB STEEL JOISTS			
TYPE	CONTINUOUS	PERIODIC	
INSTALLATION OF OPEN-WEB STEEL JOISTS	SPECIAL INSPECTION	SPECIAL INSPECTION	
A. END CONNECTIONS — WELDED OR BOLTED.		X	
BRIDGING — HORIZONTAL OR DIAGONAL A. STANDARD BRIDGING.		X	
B. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS.		X	

CONT. WALL FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F24	2'-0" x 1'-0" DP.	(2) #5 CONT. BOT.
F36	3'-0" x 1'-0" DP.	(3) #5 CONT. BOT.
F48	4'-0" x 1'-3" DP.	(4) #6 CONT. BOT.

	SPREAD FOOTING SCHEDULE			
MARK	SIZE	REINFORCING		
F3.0	3'-0" x 3'-0" x 1'-0" DP.	(3) #5 EA. WAY BOT.		
F4.0	4'-0" x 4'-0" x 1'-0" DP.	(4) #5 EA. WAY BOT.		
F5.0	5'-0" x 5'-0" x 1'-0" DP.	(5) #5 EA. WAY BOT.		
F6.0	6'-0" x 6'-0" x 1'-0" DP.	(6) #5 EA. WAY BOT.		
F7.0	7'-0" x 7'-0" x 1'-3" DP.	(7) #6 EA. WAY BOT.		
F8.0	8'-0" x 8'-0" x 1'-6" DP.	(8) #6 EA. WAY BOT.		
F9.0	9'-0" x 9'-0" x 1'-6" DP.	(9) #6 EA. WAY BOT.		
F10.0	10'-0" x 10'-0" x 1'-9" DP.	(10) #7 EA. WAY BOT.		
F11.0	11'-0" x 11'-0" x 2'-0" DP.	(11) #7 EA. WAY BOT.		
F12.0	12'-0" x 12'-0" x 2'-0" DP.	(12) #7 EA. WAY BOT.		
F13.0	13'-0" x 13'-0" x 2'-3" DP.	(13) #8 EA. WAY BOT.		
F14.0	14'-0" x 14'-0" x 2'-6" DP.	(14) #8 EA. WAY BOT.		

MASONRY WALL REINFORCING SCHEDULE				
MARK	VERTICAL REINFORCING	REMARKS		
W548	#5 @ 48" O.C.	_		
W548a	#5 @ 48" O.C.	(2) #4 HORZ. @ 48" O.C.		
W532	#5 @ 32" O.C.	-		
W516	#5 @ 16" O.C.	-		
ASONRY W	ALL REINFORCING SCHEDU	JLE NOTES:		

1. ALL BARS TO BE CENTERED IN CELL UNLESS NOTED IN SCHEDULE.

COORDINATE POSITION WITH STRUCTURAL DETAILS. 2. PROVIDE ADDITIONAL BARS AT JAMBS OF OPENINGS AS INDICATED IN THE TYPICAL REINFORCED MASONRY WALL ELEVATION. PROVIDE ADDITIONAL BARS AT SPECIFIC LOCATIONS AS INDICATED ON PLAN.

3. LAP ALL BARS PER STANDARD MASONRY REINFORCING LAP SCHEDULE ON GENERAL STRUCTURAL SHEETS.

TABLE 2 STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTURAL DISCIPLINE

TYPE	PERFORM	OBSERV
1. INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:		
A. VERIFY COMPLIANCE OF MATERIALS (DECK AND DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS,	X	
INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.		
B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	X	
2. INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:		
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION	X	
OCCUMENTS.	^	
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE	X	
CONSTRUCTION DOCUMENTS.		
C. DOCUMENT ACCEPTED OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	X	
3. INSPECTION OR EXECUTION TASKS PRIOR TO WELDING		
A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.		X
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.		X
C. MATERIAL IDENTIFICATION (TYPE/GRADE).		X
D. CHECK WELDING EQUIPMENT.		X
4. INSPECTION OR EXECUTION TASKS DURING WELDING:		
A. USE OF QUALIFIED WELDERS.		X
B. CONTROL AND HANDLING OF WELDED CONSUMABLES		X
C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).		X
D. WPS FOLLOWED		X
5. INSPECTION OR EXECUTION TASKS AFTER WELDING:		
 VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS. 	X	
B. WELDS MEET VISUAL ACCEPTANCE CRITERIA.	X	
C. VERIFY REPAIR ACTIVITIES.	X	
D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	X	
6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:		
 A. MANUFACTURER INSTALLATION INSTRUCTIONS ARE AVAILABLE FOR MECHANICAL FASTENERS. 		X
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.		X
C. PROPER STORAGE FOR MECHANICAL FASTENERS.		X
7. INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:		
A. FASTENERS ARE POSITIONED AS REQUIRED.		X
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.		X
8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:		
A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS.	X	
B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS.	X	
C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS.	X	
D. VERIFY REPAIR ACTIVITIES.	X	
E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	X	

REQUIRED SPECIAL INSPECTIONS AND TESTS FOR STEEL DECK

1. "PERFORM" — SHALL MEAN TO PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT. "OBSERVE" — SHALL MEAN TO INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

 2 . FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE. DOCUMENTS. IN THE EVENT THAT OBSERVATIONS DETERMINE THAT THE MATERIALS AND/OR WORKMANSHIP ARE NOT IN CONFORMANCE WITH THE APPLICABLE DOCUMENTS, ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-CONFORMANCE.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL CONSTRUCTION 1. INSPECTION TASKS PRIOR TO WELDING: A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS B. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE. C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE D. MATERIAL IDENTIFICATION (TYPE/GRADE) E. WELDER IDENTIFICATION SYSTEM. F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): JOINT PREPARATIONS. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT 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 WITHOUT BACKING (INCLUDING JOINT JOINT PREPARATIONS. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL. CLEANLINESS (CONDITION OF STEEL SURFACES). TACKING (TACK WELD QUALITY AND LOCATION). H. CONFIGURATION AND FINISH OF ACCESS HOLES. I. FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL. CLEANLINESS (CONDITION OF STEEL SURFACES). TACKING (TACK WELD QUALITY AND LOCATION). 2. INSPECTION TASKS DURING WELDING: A. CONTROL AND HANDLING OF WELDING CONSUMABLES. PACKAGING EXPOSURE CONTROL B. NO WELDING OVER CRACKED TACK WELDS. C. ENVIRONMENTAL CONDITIONS: WIND SPEED WITHIN LIMITS PRECIPITATION AND TEMPERATURE D. WPS FOLLOWED: SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS SHIELDING GAS TYPE/FLOW RATE PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) PROPER POSITION (F, V, H, OH) TRAVEL SPEED E. WELDING TECHNIQUES INTERPASS AND FINAL CLEANING FACH PASS WITHIN PROFILE LIMITATIONS. EACH PASS MEETS QUALITY REQUIREMENTS PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS 3. INSPECTION TASKS AFTER WELDING: A. WELDS CLEANED. B. SIZE, LENGTH, AND LOCATION OF WELDS C. WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION WELD /BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE UNDERCUT POROSITY D. ARC STRIKES. F. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES. G. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED). H. REPAIR ACTIVITIES. I. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER J. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR.

THE CONSTRUCTION DOCUMENTS. STRUCTURAL STEEL INSPECTION NOTES: 1. "PERFORM" — THESE TASKS SHALL BE PERFORMED FOR EACH WELDED/BOLTED JOINT OR MEMBER 2. "OBSERVE" — THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE.

K. NON-DESTRUCTIVE TESTING FOR COMPLETE-JOINT-PENETRATION (CJP) WELDS: UT SHALL BE PERFORMED ON ALL CJP JOINTS IN MATERIAL 5/16" AND GREATER

C. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE

F PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR

INSPECTION DURING PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL A. STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS (ANCHOR DIAMETER, GRADE, TYPE, AND

LENGTH OF THE ANCHOR ROD OR EMBEDED ITEM AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE

8. INSPECTION OF THE FABRICATED STEEL OR ERECTED STEEL FRAME IN COMPLIANCE WITH THE DETAILS SHOWN ON

PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.

A. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED. B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.

5 FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING

C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.

SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES

A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTION

CONCRETE) PRIOR TO PLACEMENT OF CONCRETE

E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE

A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS. B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.

D. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.

FASTENER ASSEMBLIES AND METHODS USED.

PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.

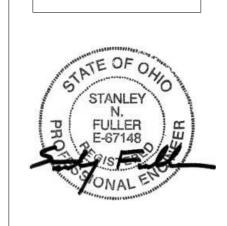
4. INSPECTION TASKS PRIOR TO SLIP-CRITICAL BOLTING:

EXCLUDED FROM SHEAR PLANE).

5. INSPECTION TASKS DURING SLIP-CRITICAL BOLTING

6. INSPECTION TASKS AFTER ALL BOLTING:

7. ANCHOR ROD PLACEMENT



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CMS/R22 03/29/23

PROJECT NO. 22033