

SPECIAL INSPECTIONS (BY TESTING AGENCY)
 SPECIAL INSPECTIONS SHALL BE PERFORMED WHERE REQUIRED BY BC CHAPTER 17.
 THE SPECIAL INSPECTOR (SI) SHALL BE RETAINED AND PAID BY THE OWNER AND SHALL BE A QUALIFIED INDEPENDENT TESTING AND INSPECTION AGENCY APPROVED BY THE BUILDING DEPARTMENT AND ACCEPTABLE TO THE ARCHITECT AND ENGINEER OF RECORD.
 THE SI SHALL BE FAMILIAR WITH AND REFEROR INSPECTIONS IN ACCORDANCE WITH BC CHAPTER 17 AND THE APPLICABLE REFERENCED STANDARDS, INCLUDING BUT NOT LIMITED TO AISC, AISI, AIA, ACI, AND ASTM, AS APPLICABLE TO THE MATERIALS BEING INSPECTED.
 THE SI SHALL INCLUDE VERIFICATION OF COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, APPLICABLE BUILDING CODES, ORDINANCES AND LOCAL BUILDING DEPARTMENT REQUIREMENTS FOR THOSE ELEMENTS SUBJECT TO SPECIAL INSPECTION. SPECIAL INSPECTION DOES NOT INCLUDE GENERAL CONSTRUCTION MEANS, METHODS, OR WORKMANSHIP.
 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER NOTIFICATION AND SCHEDULE ACCESS TO THE WORKY REQUIRING SPECIAL INSPECTION AND TO PROCEED ONLY AFTER REQUIRED INSPECTIONS HAVE BEEN PERFORMED OR DEFICIENCIES CORRECTED.
 FAILURE TO NOTIFY THE SI MAY REQUIRE REMOVAL OF WORK FOR INSPECTION AT THE CONTRACTOR'S EXPENSE. RE-INSPECTIONS DUE TO INCOMPLETE WORK OR UNCORRECTED DEFICIENCIES SHALL BE AT THE CONTRACTOR'S EXPENSE.
 THE SI SHALL MAINTAIN RECORDS OF ALL INSPECTIONS AND TESTS AND SHALL SUBMIT REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCREPANCIES SHALL BE REPORTED PROMPTLY TO THE REGISTERED DESIGN PROFESSIONAL AND UNCORRECTED DISCREPANCIES SHALL BE REPORTED TO THE BUILDING OFFICIAL AND THE ENGINEER OF RECORD.
 A FINAL REPORT DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS AND RESOLUTION OF DISCREPANCIES SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. ANY TESTS SHALL BE SUBMITTED PHYSICALLY WITH A MINIMUM FREQUENCY OF ONCE EVERY TWO WEEKS UNLESS OTHERWISE REQUIRED BY THE BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE REQUIRED ONLY FOR THOSE SYSTEMS AND ELEMENTS IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND WHERE REQUIRED BY BC CHAPTER 17 AND THE APPLICABLE REFERENCED STANDARDS. THE SI SHALL BE EXHAUSTIVE OF ALL REFERENCED STANDARDS AND MAY NOT BE EXHAUSTIVE OF ALL REQUIRED INSPECTIONS.
 SPECIAL INSPECTIONS REQUIRED FOR DELEGATED STRUCTURAL SYSTEMS SHALL BE PROVIDED AND DOCUMENTED BY THE DELEGATED ENGINEER OF RECORD.

SPECIAL INSPECTION REQUIREMENTS - CONCRETE

ITEM	SPECIAL INSPECTION SCOPE	CONTINUOUS	PERIODIC
1. CAST-IN-PLACE CONCRETE - GENERAL	VERIFY CONCRETE CONSTRUCTION FOR ELEMENTS IDENTIFIED BY BC CHAPTER 17, INCLUDING COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS AND APPLICABLE REFERENCED STANDARDS (AIA 318 AND ASTM).	X	
2. FORMWORK AND PREPARATION	VERIFY FORMWORK DIMENSIONS, CONFIGURATION AND PREPARATION FOR STRUCTURAL CONCRETE INCLUDING CLEANNESS AND STABILITY OF BEARING SURFACES, WHERE REQUIRED BY CHAPTER 17.		X
3. REINFORCING STEEL	VERIFY REINFORCING STEEL SIZE, GRADE, SPACING, PLACEMENT COVER, AND SUPPORT FOR STRUCTURAL ELEMENTS SUBJECT TO SPECIAL INSPECTION INCLUDING JOINTS, REINFORCEMENT JOINTS WHERE DESIGNATED IN THE CONSTRUCTION DOCUMENTS.	X	
4. REINFORCEMENT PLACEMENT	VERIFY BOLT TYPE, GRADE, INSTALLATION METHOD, AND PRETENSIONING IN ACCORDANCE WITH AISC 308 AND ROSS REQUIREMENTS FOR CONNECTIONS DESIGNATED ON THE CONSTRUCTION DOCUMENTS.		X
5. REINFORCEMENT CONDITION	OBSERVE PRETENSIONING OPERATIONS, INCLUDING VERIFICATION OF CALIBRATED WRENCH INDICATOR OR TENSION INDICATOR METHOD, AS APPLICABLE.		X
6. EMBEDDED IRM AND ANCHORAGE	VERIFY SIZE, TYPE, SPACING, CONFIGURATION AND LOCATION OF ANCHORS, BOLT, RODS AND EMBEDDED ITEMS REQUIRED TO TRANSFER STRUCTURAL LOADS.		X
7. POST-INSTALLED ANCHORS (WHEN APPLICABLE)	VERIFY INSTALLATION AND TESTING OF POST-INSTALLED ANCHORS IN ACCORDANCE WITH THE APPLICABLE CONSTRUCTION DOCUMENTS AND APPLICABLE EVALUATION REPORTS.		X
8. CONCRETE PLACEMENT	VERIFY PLACEMENT PROCEDURES FOR STRUCTURAL CONCRETE INCLUDING CONCRETE MIX DESIGN, REINFORCEMENT POSITION, AND PROTECTION AGAINST SEGREGATION OR CONTAMINATION WHERE REQUIRED BY CHAPTER 17.		X
9. CONCRETE MIX AND SAMPLING	PERFORM SAMPLING AND TESTING OF CONCRETE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE ASTM STANDARDS.		X
10. CURING AND PROTECTION	VERIFY CURING AND PROTECTION PROCEDURES FOR STRUCTURAL CONCRETE WHERE REQUIRED BY THE CONSTRUCTION DOCUMENTS OR SPECIFICATIONS.		X
11. REPAIRS AND PATCHES	VERIFY PATCHES CONCRETE STRENGTH BY TESTING OR APPROVED METHODS, AND GENERAL WORKMANSHIP APPEARANCE TO DEFICIENCIES OR REMOVAL, SKIPPING, REMOVAL, OR LOAD APPLICATION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.		X

NOTES:
 1. SPECIAL INSPECTIONS LISTED ABOVE ARE LIMITED TO THOSE REQUIRED BY BC CHAPTER 17.
 2. ROUTINE INSPECTION OF CONSTRUCTION MEANS, METHODS, WORKMANSHIP OR CONTRACTOR QUALITY CONTROL ACTIVITIES ARE NOT SPECIAL INSPECTIONS.
 3. CONTINUOUS SPECIAL INSPECTIONS ARE REQUIRED ONLY WHERE INDICATED ABOVE OR WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

SPECIAL INSPECTION REQUIREMENTS - MASONRY

ITEM	SPECIAL INSPECTION SCOPE	CONTINUOUS	PERIODIC
1. MASONRY - GENERAL	VERIFY SUBSTRATE CONCRETE OR MASONRY MEETS DESIGN STRENGTH AND IS FREE OF DEFECTS, CRACKS, OR OTHER CONDITIONS THAT MAY AFFECT ANCHOR PERFORMANCE.	X	
2. MATERIALS AND PREPARATION	VERIFY MASONRY UNITS, MORTAR TYPE, AND GROUT TYPE CONFORM TO APPROVED SUBMITTALS AND CONSTRUCTION DOCUMENTS.		X
3. MASONRY UNITS AND MORTAR	VERIFY SIZE, GRADE, PLACEMENT, AND CONDITION OF REINFORCING STEEL JOINT REINFORCEMENT, ANCHORS, AND TIES FOR STRUCTURAL MASONRY ELEMENTS.		X
4. REINFORCEMENT AND ACCESSORIES	VERIFY REINFORCING STEEL SIZE, VERIFY REINFORCING STEEL SIZE, SPACING, PLACEMENT, LAP SPICES, COVER, AND SUPPORT FOR REINFORCING MASONRY WALLS, PLASTERS, BEAMS, AND BOND BEAMS.	X	
5. GROUT SPACE AND CLEANOUTS	VERIFY GROUTING PROCEDURES, CONSOLIDATION, AND LIFT HEADS FOR REINFORCED MASONRY ELEMENTS.		X
6. ANCHORAGE AND MORTAR CONSTRUCTION	VERIFY SIZE, TYPE, SPACING, CONFIGURATION AND LOCATION OF ANCHORS, EMBEDDED ITEMS, AND CONNECTION HARDWARE REQUIRED TO TRANSFER STRUCTURAL LOADS.		X
7. MASONRY PRISM AND TESTING	PERFORM MASONRY PRISM SAMPLING AND TESTING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE ASTM STANDARDS.		X

NOTES:
 1. SPECIAL INSPECTIONS LISTED ABOVE ARE LIMITED TO THOSE REQUIRED BY BC CHAPTER 17.
 2. ROUTINE INSPECTION OF WORKMANSHIP APPEARANCE TO DEFICIENCIES OR CONTRACTOR QUALITY CONTROL ACTIVITIES ARE NOT SPECIAL INSPECTIONS.
 3. CONTINUOUS SPECIAL INSPECTIONS ARE REQUIRED ONLY WHERE INDICATED ABOVE OR WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

SPECIAL INSPECTION REQUIREMENTS - STRUCTURAL STEEL

ITEM	SPECIAL INSPECTION SCOPE	CONTINUOUS	PERIODIC
1. STRUCTURAL STEEL - GENERAL	SPECIAL INSPECTION OF SHOP FABRICATION SHALL BE IDENTIFIED WHERE THE FABRICATOR IS NOT A QUALIFIED FABRICATOR IN THE APPROPRIATE CATEGORY WHERE THE FABRICATOR IS NOT A QUALIFIED FABRICATOR IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND AISC 308.		X
2. HIGH-STRENGTH BOLTING	VERIFY BOLT TYPE, GRADE, INSTALLATION METHOD, AND PRETENSIONING IN ACCORDANCE WITH AISC 308 AND ROSS REQUIREMENTS FOR CONNECTIONS DESIGNATED ON THE CONSTRUCTION DOCUMENTS.		X
3. WELDING PROCEDURES	VERIFY APPROVED WELDING PROCEDURES, WELDER QUALIFICATION AND BARE METALS IN ACCORDANCE WITH AISC 311 FORM DESIGNATED ON THE CONSTRUCTION DOCUMENTS.		X
4. WELDING JOINTS	INSPECT WELDING JOINTS, INCLUDING JOINT PREPARATION, WELD SIZE, LENGTH, AND QUALITY FOR WELDS DESIGNATED ON THE CONSTRUCTION DOCUMENTS AS REQUIRING SPECIAL INSPECTION.		X
5. SHOP WELDING (WHEN APPLICABLE)	WHERE SHOP WELDING IS PERFORMED, VERIFY FABRICATOR, NON-AS-CERTIFIED FABRICATOR, INSPECT WELDS IN ACCORDANCE WITH AISC 311.		X
6. STEEL ELEMENTS OF THE SPINE	VERIFY FABRICATION AND INSTALLATION OF STEEL ELEMENTS THAT ARE PART OF THE BEARING FORCE-RESISTING SYSTEM IN ACCORDANCE WITH AISC 311 AND THE CONSTRUCTION DOCUMENTS.	X	
7. SPECIAL MOMENT CONNECTIONS, WELDING, BOLTING, AND DETAILING IDENTIFIED ON THE CONSTRUCTION DOCUMENTS AS PART OF THE SPINE.	VERIFY MEMBER SIZE, CONNECTIONS, WELDING, BOLTING, AND DETAILING IDENTIFIED ON THE CONSTRUCTION DOCUMENTS AS PART OF THE SPINE.		X
8. STEEL DECK, DIAPHRAGM OR COMPOSITE ACTION	VERIFY DECK TYPE, THICKNESS, ATTACHMENT, SLEAP FASTENING, AND WEBS OR BEAMS. FASTENERS WHERE DECK ACTS AS A DIAPHRAGM OR COMPOSITE SLAB PER THE CONSTRUCTION DOCUMENTS.		X

NOTES:
 1. SPECIAL INSPECTIONS LISTED ABOVE ARE LIMITED TO THOSE REQUIRED BY BC CHAPTER 17.
 2. ROUTINE INSPECTION OF MEMBER SIZES, GRADES, COATINGS, SHOP-DC PROCEDURES, AND GENERAL WORKMANSHIP ARE NOT SPECIAL INSPECTIONS UNLESS PERFORMED BY AN AISC-CERTIFIED FABRICATOR.
 3. CONTINUOUS INSPECTION IS REQUIRED ONLY WHERE SPECIFICALLY NOTED (E.G. FIELD WELDING) OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

REQUIRED VERIFICATION AND INSPECTION OF SOILS

ITEM	SPECIAL INSPECTION SCOPE	CONTINUOUS	PERIODIC
1. SITE EVALUATION AND SURFACE	EDUCATION FOR FOUNDATIONS AND OTHER STRUCTURES, VERIFY DEPTH, SLOPE, AND STABILITY OF EXISTING FOUNDATIONS AND SURFACES IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS AND APPLICABLE REFERENCED STANDARDS.	X	
2. NATURAL SOIL VERIFICATION	CONFIRM NATURAL SOIL CONDITIONS MATCH GEOTECHNICAL ASSUMPTIONS, INCLUDING BEARING CAPACITY AND PRESENCE OF UNSATURABLE MATERIALS.		X
3. FILL/ENGINEERED FILL	PLACEMENT AND COMPACTION OF FILL, VERIFY LIFT THICKNESS, DENSITY, AND MOISTURE CONTROL PER PROJECT SPECIFICATIONS AND ASTM D1557-17.		X
4. SHALLOW FOUNDATION BEARING	OBSERVE AND VERIFY SOIL BEARING UNDER FOOTINGS AND SLABS, PROOF OF BEARING CAPACITY PER GEOTECHNICAL ENGINEER.		X
5. SUB-OIL-GRADE PREPARATION	INSPECT SUBGRADE FOR CONSTRUCTION, GRADING, AND CONFORMANCE WITH SOIL BORER OR RELIATION INSTALLATION REQUIREMENTS PRIOR TO CONCRETE PLACEMENT.		X
6. IMPORTED OR STOCKPILED SOIL	VERIFY MATERIAL PROPERTIES, PLACEMENT, AND CONFORMANCE WITH SPECIFICATIONS.		X
7. SPECIAL CONDITIONS (AS SHOWN ON DOCUMENTS)	INSPECT PROPRIETARY OR ATYPICAL SOIL, FOUNDATION, OR EARTHWORK SYSTEMS SPECIFICALLY IDENTIFIED ON THE CONSTRUCTION DOCUMENTS AS REQUIRING SPECIAL INSPECTION.		X

SPECIAL INSPECTION REQUIREMENTS - POST INSTALLED ANCHORS

ITEM	SPECIAL INSPECTION SCOPE	CONTINUOUS	PERIODIC
1. ANCHOR PRODUCT VERIFICATION	CONFIRM ANCHOR TYPE, SIZE, AND MATERIAL CONFORM TO APPROVED SUBMITTALS AND CONSTRUCTION DOCUMENTS. CHECK FOR PROPER CERTIFICATION AND MARKING.	X	
2. BASE MATERIAL CONDITION	VERIFY SUBSTRATE CONCRETE OR MASONRY MEETS DESIGN STRENGTH AND IS FREE OF DEFECTS, CRACKS, OR OTHER CONDITIONS THAT MAY AFFECT ANCHOR PERFORMANCE.	X	
3. HOLE FABRICATION	VERIFY DRILLING METHOD, HOLE DEPTH, DIAMETER, CLEANLINESS, AND ANCHOR PROOF OF BEARING CAPACITY FOLLOW MANUFACTURER'S INSTRUCTIONS.		X
4. ANCHOR INSTALLATION	OBSERVE PROPER INSTALLATION OF POST-INSTALLED ANCHORS INCLUDING ANCHORING METHOD, SPECIFICATIONS, INCLUDING TORQUE, DEVELOPMENT DEPTH, AND CURING REQUIREMENTS.		X
5. EDGE AND SPACING REQUIREMENTS	VERIFY ANCHORS MAINTAIN MINIMUM SPACING FROM EDGES AND ADJACENT SPACING FROM OTHERS AS 318.		X

MASONRY BAR SPlice SCHEDULE

TYPE	BAR SIZE	NORMAL THICKNESS WALL	THICKNESS
A	#3	1'-4"	1'-4"
A	#4	1'-10"	1'-10"
B	#3	-	1'-4"
B	#4	-	2'-2"
B	#5	-	3'-0"

NOTES:
 1. REQUIRED $l_{d,c}$ - SEE GENERAL NOTES.
 2. $l_{d,c}$ SHALL BE WITHIN 10% OF THE REQUIRED DEVELOPMENT LENGTH.
 3. PROVIDE 1/2" CLEAR GROUT COVER BETWEEN BLOCK FACE AND BAR.
 4. LAP LENGTH TO APPLY TO BOTH VERTICAL AND HORIZONTAL BARS.
 5. MECHANICAL CONNECTIONS THAT DEVELOP 100% OF BAR WELD STRENGTH MAY BE SUBSTITUTED FOR LAP SPICES.
 6. WELDED SPICES ARE NOT PERMITTED.

LOOSE STEEL LINTEL SCHEDULE (U.N.O.)

WALL THICKNESS	CLEAR MASONRY OPENING WIDTH	SECTION
ALL	AT FEEL & D/P	1/4" PLATE
4" BLOCK	10'-0" @ 10'-0"	3/8" x 3/8"
4" BRICK	10'-0"	1/2" x 1/2" x 1/2" x 9/16"
4" BRICK	10'-0"	1/4" x 1/2" x 9/16" (NOTE 10)
4" BRICK	10'-0"	1/4" x 1/2" x 3/8" (NOTE 10)
4" BRICK	10'-0"	1/4" x 1/2" x 3/8" (NOTE 10)
4" BRICK	10'-0"	1/2" x 1/2" x 3/8" (NOTE 10)
6"	10'-0" @ 10'-0"	(2) - 1/2" x 1/2" x 2 1/2" x 1/4" LVL
8"	10'-0" @ 10'-0"	WT 4 x 10.5
ANGLES SUPPORTING BRICK OR STONE IN GAVIN AN INSTALLATION		ANGLE BRK ON ANGLE 8 x 8 x 5/16. FOR SPANS GREATER THAN 4'-0" USE SPANDED BOLT TO BOND BEAM W/ 1/2" DIA x 5" BOLT AT 2'-0" @

- AT EXTERIOR WALLS AND OTHER CORROSIVE ENVIRONMENTS, BOTTOM PLATE OF LINTELS, ANGLES AND OTHER STEEL SHALL BE GALVANIZED OR PAINTED FOR EXTERIOR EXPOSURE WITH TWO COAT SYSTEM AND PROTECTANT.
- MAY BE USED AS ALTERNATE TO MASONRY GENERAL NOTES FOR PRECAST OR BOND BEAM LINTELS.
- USE OVER NECESSARY DRINKING FOUNTAINS (D/F) FIVE EXHAUSTER CANNIS (PIC) CONNECTIONS. ALL C/F'S MUST BE APPROVED AND CANNOT BE OPENED THROUGH MASONRY WALLS WHERE OTHER LINTELS ARE NOT DETAILLED ON SCHEDULES.
- PROVIDE MINIMUM #1 BEARING EACH END OF LINTEL.
- CENTRAL LINTELS IN WALL THICKNESS NOTED.
- BOTTOM PLATES UNDER WIND FLANGE SHIPES SHALL BE EXTENDED FULL LENGTH OF LINTEL.
- WELD LINTELS INTO SINGLE LINTELS.
- NO LINTELS REQUIRED FOR 4" AND 6" NON-BEARING MASONRY WALLS WHERE GROUDED HOLLOW METAL FRAMES HAVE HEADSPAN OF 10'-0" OR MORE.
- FOR BEAMS WITH FLANGE WIDTH OF PLATE - NOMINAL MASONRY WALL THICKNESS (INCLUDING BRICK) - 1
- SOILT ANGLE TO SOLID MASONRY AT 2'-0" @

MASONRY PIER SCHEDULE

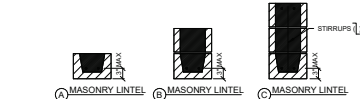
MARK	TYPE	SIZE (H IN INCHES)	VERTICAL REINFORCEMENT (NOTE 1)	TIES	REMARKS
MP1	A	16	(2) - #5		
MP2	A	24	(3) - #5		
MP3	B	16	(3) - #5		
MP4	B	24	(4) - #5		
MP5	C	16	(3) - #5		
MP6	C	24	(5) - #5		

NOTES:
 1. W - WALL WIDTH - SEE PLAN.
 2. PROVIDE CORNERS OF SAME SIZE AND NUMBER AS VERTICAL REINFORCEMENT. MINIMUM LAP PER GENERAL NOTES WITH STANDARD ANCHOR INTO FOOTING.
 3. PLAN HORIZONTAL REINFORCEMENT THROUGH PIERS WHERE PIERS ARE ISOLATED AND NOT PART OF THE CONTINUOUS WALL. #5 BETWEEN WINDOWS. PROVIDE #2 TIES @ 18" @ 18".
 4. ALL CELLS BUILT WITH 300 PSI GROUT. USE ONLY 2" DIA BLOCK. SEE MASONRY GENERAL NOTES FOR GROUTING METHODS ALLOWED.
 5. PROVIDE (1) - #4 AT EACH SIDE OF OPENING, DOORS, WINDOWS, ETC OPENINGS ETC.
 6. USE SEE PLAN FOR MASONRY PER REQUIREMENTS.
 7. USE ONLY 2" STANDARD HOLLOW PLATES BLOCK.
 8. PROVIDE 1/2" CLEAR GROUT COVER BETWEEN BLOCK FACE AND BAR.

MASONRY LINTEL SCHEDULE

MARK	SIZE	TYPE	REMARKS
L1	8" HIGH MASONRY LINTEL w/ (2) - #5 BOTTOM	A	(1) - #5 AT 0' CMU
L2	12" HIGH MASONRY LINTEL w/ (2) - #5 BOTTOM	B	(1) - #5 AT 0' CMU
L3	3/4" HIGH MASONRY LINTEL w/ (2) - #5 TOP & BOTTOM, & #3 STIRRUPS @ 18" @ 18"	C	SEE 10/5502
L4	12 x 26 WITH BOTTOM PLATE	-	SEE GENERAL NOTES
LS	14 x 30 WITH BOTTOM PLATE	-	SEE DETAIL 18/5502

- SEE MASONRY GENERAL NOTES FOR BEARING REQUIREMENTS.
- COORDINATE BOTTOM OF LINTEL ELEVATION WITH ARCHITECTURAL PLANS.
- FOR MASONRY LINTELS BACKING VENEER, SEE LOOSE LINTEL SCHEDULE FOR BRICKCAST STONE SUPPORT ANGLE REQUIREMENTS.
- ALL DIMENSION ARE NOMINAL. MASONRY DIMENSIONS U.N.O.
- FOR MASONRY LINTELS MORE THAN 10' HIGH, GROUT ALL CELLS AT THE SAME TIME. NO COLD JOINTS ALLOWED.



Project:
 Winnebago County IL
 JUVENILE CENTRAL HEALTH ADDITION

Location:
 5350 Northford Drive
 Rockford, IL 61103

Key Plan:

Sheet:
 SPECIAL INSPECTIONS AND SCHEDULES

Revised:	No.	Date	Description

Date:
 05/18/2026
 Project No.:
 24081.01
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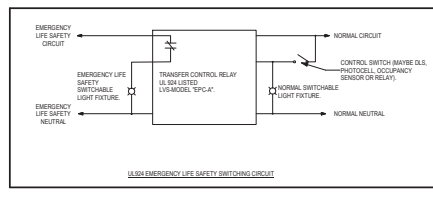
Revisions		
No.	Date	Description

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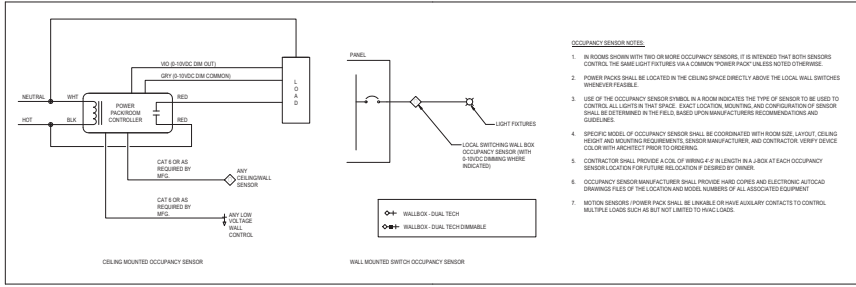
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E - LIGHT FIXTURE SCHEDULE														
DESIGNATION	DESCRIPTION	QUANTITY				ELECTRICAL				NOTES				
		TYPE	DELIVERED LUMEN	KELVIN	CR	WATTS	VOLT	DEPTH	MANUFACTURER	FINISH	OPTIC ACCESSORIES	DRIVER TYPE	MFG	MTS SURFACE
AV	3x4 CORRECTIVE-GRACE TROFFER	MODULE	494	480	80	48	UNV	5"	KENNEL	RECESSED/RECESSED COUPLER SERIES	10.28	DDRV	REC	US
BV	3x6 CORRECTIVE-GRACE TROFFER	MODULE	494	480	80	48	UNV	5"	KENNEL	RECESSED/RECESSED COUPLER SERIES	10.28	DDRV	REC	US
CV	2x4 CORRECTIVE-GRACE TROFFER	MODULE	388	480	80	48	UNV	5"	KENNEL	RECESSED/RECESSED COUPLER SERIES	10.28	DDRV	REC	US
DV	2x6 CORRECTIVE-GRACE RECESSED TROFFER	MODULE	510	480	80	15	UNV	5"	HYA	CONDUIT/RECESSED COUPLER SERIES	10.28	DDRV	REC	US
EA	2x4 SPACE CORRECTIVE-GRACE EXT. TROFFER	MODULE	-	-	-	-	-	-	KENNEL	RECESSED/RECESSED COUPLER SERIES	10	DDRV	REF	US
EB	2x4 SPACE CORRECTIVE-GRACE EXT. TROFFER	MODULE	-	-	-	-	-	-	KENNEL	RECESSED/RECESSED COUPLER SERIES	10	DDRV	REF	US
FA2	2x4 STRIPLIGHT	MODULE	1800000200	480	80	19	UNV	-	LITHONIA	CEILING/PLUG/OUTLET SERIES	10.28	DDRV	SLUF	WALL
SV	2x4 CORRECTIVE-GRACE SLOPE SIZES TRIP ROOF	MODULE	510	480	80	48	UNV	5"	KENNEL	RECESSED/RECESSED COUPLER SERIES	10.28	DDRV	SLUF	OPP
WE	EXTERIOR WALL MOUNT TRIANGLE/RECTANGLE	MODULE	3000	480	80	25	UNV	-	LITHONIA	REF LED/PLUG/ROOF SERIES	09.10.28	DDRV	SLUF	WALL
WF	EXTERIOR WALL MOUNT TRIANGLE/RECTANGLE	MODULE	3000	480	80	25	UNV	-	LITHONIA	REF LED/PLUG/ROOF SERIES	09.10.28	DDRV	SLUF	WALL
INSTALLATION:		REC	RECESSED	RM	WALL MOUNTED	STD	STANDARD	VAR	VARIABLE					
LAC	EXPOSED STRUCTURE	EXP	EXPOSED	CONC	CONCRETE	STD	SPEC	AS REQUIRED	AS SHOWN					
OP	CONCRETE BOARD	EXP	EXPOSED	CONC	CONCRETE	STD	SPEC	AS REQUIRED	AS SHOWN					
W	WALL	EXP	EXPOSED	CONC	CONCRETE	STD	SPEC	AS REQUIRED	AS SHOWN					
SP/CONDUCTORS/SEE CODE LISTING														
SP/CONDUCTORS/SEE CODE LISTING														
1. 1/2" PATTERN 12 ACRYLIC LENS		10. STD FINISH TO BE SELECTED BY ARCHITECT		21. FURNISH = LEAD-CALCIUM BATTERY										
2. 1/4" PATTERN 12 ACRYLIC LENS		11. LIGHT COLOR		22. FURNISH = HEAD BATTERY										
3. FLUSH STEEL DOOR FINISH		12. FURNISH = CHAIN HANGERS		23. FURNISH = SELF-DIAGNOSTICS										
4. FURNISH = BUSH DOOR FRAME		13. FURNISH = CYLINDRICAL CANDLE		24. FURNISH = LED DRIVER, RECESSED										
5. SEMI-SPECULAR REFLECTOR		14. FURNISH = AIRCRAFT CABLE		25. FURNISH = LED DRIVER, STEP-DIMMED										
6. CON-RESISTANT REFLECTOR		15. FURNISH = FRESH-HOOK, COCKLE PLUG		26. FURNISH = LED DRIVER, DIMMABLE TO 1%										
7. REFLECTOR MOUNTING TRAINING		16. FURNISH = SAFETY CHAIN		27. FURNISH = LED DRIVER, DIMMABLE TO 1%										
8. CONP LOCATION LISTED		17. FURNISH = FREQUENTLY		28. FURNISH = LED DRIVER, DIMMABLE TO 1%										
9. WET LOCATION LISTED		18. FURNISH = BALLAST/LED EMERGENCY DRIVER		29. FURNISH = LED DRIVER, DIMMABLE TO 1%										
		19. FURNISH = AIR/FALL PROTECTIVE		30. FURNISH = PAINT AFTER FABRICATION										
		20. FURNISH = OVERHEAD WIRING AND RED STENCIL FACE												

- LIGHTING FIXTURE SCHEDULE NOTES:
 NOTES L17- L17.16 ARE GENERAL NOTES APPLICABLE TO ENTIRE LIGHTING FIXTURE SCHEDULE WHERE APPROPRIATE.
 L17 - PROVIDE ALL PAINTED FIXTURES WITH PAINT AFTER FABRICATION WITH POLYESTER PAINT.
 L17.1 - PROVIDE ALL NECESSARY COMPONENTS AND ACCESSORIES FOR A COMPLETE OPERATING INSTALLATION PER APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
 L17.2 - INCLUDE IN THE BUDGET THE COST FOR FURNISHING, INSTALLING, WIRING AND CONNECTING FOR A COMPLETE OPERATING INSTALLATION AN ADDITIONAL EXIT FUTURE OF EACH TYPE SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE.
 L17.4 - CONTRACTOR SHALL REVIEW THE ENTIRE LIGHTING FIXTURE SCHEDULE INCLUDING THE DESCRIPTION AND CATALOG NUMBER. CONTRACTOR SHALL NOTIFY THE A/E OF ANY DISCREPANCIES PRIOR TO BIDDING.
 L17.5 - VERIFY ALL FINISHES/COLORS OF FIXTURES WITH A/E PRIOR TO ORDERING.
 L17.6 - NOT USED.
 L17.7 - FIELD VERIFY THE EXACT LOCATION OF THE LIGHTING FIXTURES TO AVOID CONFLICT WITH MECHANICAL EQUIPMENT, DUCTWORK, PIPES, STRUCTURAL MEMBERS, ARCHITECTURAL FEATURES, ETC. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE A/E PRIOR TO ORDERING.
 L17.8 - IN ALL INDICATED LED WALL, WALLS AND WHERE RECESSED FIXTURES POINT INTO THE BUILDING ENVELOPE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN AIRTIGHT INSTALLATION AND PROVIDING COMPLIANCE BETWEEN RECESSED FIXTURES AND THE INSULATION. THIS CAN BE ACCOMPLISHED BY PROPER TIGHTENING OR BUSHING-OUT AROUND RECESSED FIXTURES THAT DO NOT HAVE IC RATINGS, OR REPLACEMENT OF THOSE FIXTURES WITH QUALIFIED FIXTURES WITH PROPER IC AND AIRTIGHT RATINGS. REFER TO THE ARCHITECTURAL PLANS FOR APPLICABLE AREAS.
 L17.9 - IN ALL FIRE RATED CEILING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE FIRE RATING. REFER TO ARCHITECTURAL PLANS FOR APPLICABLE AREAS.
 L17.10 - PROVIDE OCCUPANCY SENSORS AS SHOWN ON THE PLANS. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
 L17.11 - PROVIDE EACH FIXTURE TYPE WITH COMPATIBLE DIMMING SWITCHES PER MANUFACTURER'S RECOMMENDATIONS.
 L17.12 - PROVIDE (1) EXTRA LED MODULE AND LED DRIVER OF EACH TYPE INDICATED IN LIGHT FIXTURE SCHEDULE AND TURN OVER TO OWNER. IF MODULE AND/OR DRIVER CANNOT BE SEPARATED FROM THE FIXTURE, PROVIDE AN ENTIRE FIXTURE.
 L17.13 - IN ALL PLUMB RATED CEILING CAVITIES, INCLUDING "CHICAGO PLUMB", PROVIDE PLUMB RATED TROFFERS AND OTHER TYPES OF LIGHTING FIXTURES IF REQUIRED BY LOCAL CODES.
 L17.14 - FOR EXTERIOR WALL MOUNTED FIXTURES, PROVIDE SEALANT AROUND MOUNTING PLATE TO PROTECT AGAINST MOISTURE INGRESS OF FIXTURE.
 L17.15 - EXCEPT FOR HANDHOUSLED RATED AND BATTERY COMPONENTS OF EMERGENCY FIXTURES, ALL LED DRIVERS SHALL HAVE A DISCONNECTING MEANS DESCRIBED IN NEC 410.75. THIS DISCONNECT MUST BE ACCESSIBLE WITHIN THE FIXTURE AT OR NEAR THE DRIVER.
 L17.16 - LIGHT FIXTURES SPECIFIED ESTABLISH A LEVEL OF QUALITY WHICH SHALL BE MET BY ALL FIXTURES PROVIDED. FIXTURES SHALL BE COMPARABLE IN PERFORMANCE, CONSTRUCTION, PHYSICAL APPEARANCE, FINISH AND FEATURES IN ORDER TO BE CONSIDERED EQUIVALENT. FIXTURES NOT DEEMED "EQUIVALENT" WILL NOT BE SUBSTITUTED AS AN "EQUIVALENT" OR "SUBSTITUTE" FIXTURE. IT IS THE ARCHITECT'S RESPONSIBILITY TO STATE THE RESPONSIBILITY OF ALL. THERE SHALL BE NO ADDITIONAL COST ASSOCIATED WITH REPLACEMENT OF A FIXTURE NOT DEEMED "EQUIVALENT" BY THE A/E.



1 UL924 SWITCH WTS



2 OCCUPANCY SENSOR CLG WALL DETAIL WTS

- OCCUPANCY SENSOR NOTES:**
- IN ROOMS SERVED BY TWO OR MORE OCCUPANCY SENSORS, IT IS INTENDED THAT BOTH SENSORS CONTROL THE SAME LIGHT FIXTURES VIA A COMMON "POWER PACK" UNLESS NOTED OTHERWISE.
 - POWER PACKS SHALL BE LOCATED IN THE CEILING SPACE DIRECTLY ABOVE THE LOCAL WALL SWITCHES WHEN FEASIBLE.
 - USE OF THE OCCUPANCY SENSOR SYMBOL IN A ROOM INDICATES THE TYPE OF SENSOR TO BE USED TO CONTROL LIGHTS IN THAT SPACE. EXACT LOCATION, MOUNTING, AND CONFIGURATION OF SENSOR SHALL BE DETERMINED IN THE FIELD BASED UPON MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.
 - SPECIFIC MODEL OF OCCUPANCY SENSOR SHALL BE COORDINATED WITH ROOM SIZE, LAYOUT, CEILING HEIGHT AND MOUNTING REQUIREMENTS. SENSOR MANUFACTURER, AND CONTRACTOR VERIFY DEVICE COLOR WITH ARCHITECT PRIOR TO ORDERING.
 - CONTRACTOR SHALL PROVIDE A COIL OF WIRING #12 IN LENGTH IN A BOX AT EACH OCCUPANCY SENSOR LOCATION FOR FUTURE RELOCATION IF REQUESTED BY OWNER.
 - OCCUPANCY SENSOR MANUFACTURERS SHALL PROVIDE HARD COPIES AND ELECTRONIC AUTOCAD DRAWINGS (PLANS OF THE LOCATION AND MODEL NUMBERS OF ALL ASSOCIATED EQUIPMENT).
 - NOTES: SENSORS POWER PACK SHALL BE AVAILABLE OR HAVE AN AVAILABLE CONTACT TO CONTROL MULTIPLE LOADS SUCH AS BUT NOT LIMITED TO HVAC LOADS.

