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Project Number: 18.26-2

Issue:
PROGRESS
Date:
04.20.2026

REVISIONS		
#	Description	Date

DESIGN PARAMETERS AND GENERAL STRUCTURAL NOTES

1. PROVIDE THE FOLLOWING MINIMUM WOOD SPECIES AND GRADES (OR EQUIVALENT) FOR STRUCTURAL SOLID SAWN WOOD FRAMING ELEMENTS, UNLESS NOTED OTHERWISE. PROVIDE KD19 (19% MAX. MOISTURE CONTENT) OR LESS FOR ALL STRUCTURAL SOLID SAWN LUMBER.
 - 1.1. DOUGLAS FIR-LARCH (DF-L), NO 1 OR BETTER, PER THE NDS, UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DOCUMENTS.
 - 1.2. SOUTHERN PINE (SP / SYP), NO 2 OR BETTER, PER THE NDS, UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DOCUMENTS.
2. PROVIDE STRUCTURAL WALL SHEATHING RATED BY THE AMERICAN PLYWOOD ASSOCIATION AND MEETING THE REQUIREMENTS OF DOC PS2 WITH EXPOSURE 1 BOND CLASSIFICATION, UNLESS NOTED OTHERWISE. REFER TO THE STRUCTURAL DOCUMENTS FOR THE MINIMUM REQUIRED PANEL THICKNESS AND SPAN RATING. ORIENT AND NAIL STRUCTURAL SHEATHING TO THE SUPPORTING MEMBERS AS NOTED IN THE STRUCTURAL DOCUMENTS. LAY PANELS WITH THE STRONG DIRECTION PERPENDICULAR TO SUPPORT FRAMING AND STAGGER THE PANEL JOINTS. PROVIDE 1/8 INCH GAP BETWEEN ENDS AND EDGES OF PANELS. THE MINIMUM THICKNESS MAY BE INCREASED TO SATISFY ARCHITECTURAL REQUIREMENTS.
- 2.1. FOR EXTERIOR WALL SHEATHING, PROVIDE A MINIMUM THICKNESS OF 1/32 INCH AND FASTEN TO WALL STUDS WITH 80 GALVANIZED COMMON NAILS AT 6 INCHES ON CENTER AT EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
3. PROVIDE METAL WOOD CONSTRUCTION CONNECTORS TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC13, WITH A VALID ICC-ES REPORT FOR STRUCTURAL WOOD-TO-WOOD CONNECTIONS UNLESS NOTED OTHERWISE. THE BASIS OF DESIGN MANUFACTURER FOR METAL WOOD CONSTRUCTION CONNECTORS IS SIMPSON STRONG-TIE. INSTALL ALL CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE THE QUANTITY, TYPE, AND SIZE FASTENERS AS RECOMMENDED BY THE CONNECTOR MANUFACTURER. WHERE MULTIPLE FASTENER OPTIONS ARE GIVEN BY THE MANUFACTURER, PROVIDE THE OPTION REQUIRED TO ACHIEVE THE MAXIMUM RATED CAPACITY OF THE CONNECTOR.
4. PROVIDE COMMON WIRE NAILS CONFORMING TO ASTM F1667 UNLESS NOTED OTHERWISE ON THE CONTRACT DOCUMENTS OR RECOMMENDED OTHERWISE BY THE WOOD CONSTRUCTION CONNECTOR MANUFACTURER. NAILS MUST BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC116 AND WITH A VALID ICC-ES REPORT. ALL NAILS SHOWN ON PLAN ARE 'COMMON'; UNLESS NOTED OTHERWISE NAILS SHALL MEET THE FOLLOWING DIMENSIONAL REQUIREMENTS:

SIZE	DIMENSIONS
8d	0.113 INCH DIAMETER X 2 INCH LONG
8d	0.131 INCH DIAMETER X 2-1/2 INCH LONG
10d	0.148 INCH DIAMETER X 3 INCH LONG
12d	0.148 INCH DIAMETER X 3-1/4 INCH LONG
16d	0.162 INCH DIAMETER X 3-1/2 INCH LONG
20d	0.192 INCH DIAMETER X 4 INCH LONG
30d	0.207 INCH DIAMETER X 4-1/2 INCH LONG
5. MANUFACTURE METAL WOOD CONSTRUCTION CONNECTORS FROM A CORROSION-RESISTANT METAL OR WITH A MINIMUM G90 GALVANIZED FINISH FOR UNTREATED LUMBER. MANUFACTURE METAL WOOD CONSTRUCTION CONNECTORS FROM STAINLESS STEEL OR WITH A C185 GALVANIZED FINISH FOR PRESSURE-TREATED LUMBER. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD.
6. PROVIDE JOISTS AND RAFTERS CUT FOR HORIZONTAL CONTACT FOR THE FULL WIDTH OF THE SUPPORTING MEMBER IN BEARING CONNECTIONS, UNLESS NOTED OTHERWISE.
7. PROVIDE PRESERVATIVE-TREATED WOOD FOR LUMBER IN CONTACT WITH CONCRETE OR MASONRY.
8. STORE WOOD ON SITE IN A DRY AREA ELEVATED ABOVE GRADE. PROTECT STORED WOOD AGAINST THE ELEMENTS.

1. WORK WITH EXISTING STRUCTURES REQUIRES THOROUGH COORDINATION OF THE CONTRACT DOCUMENTS WITH EXISTING CONDITIONS. THE CONTRACTOR MUST VERIFY ALL RELEVANT EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, DETAILS, ETC., BEFORE THE START OF WORK. THE CONTRACTOR MUST REPORT ANY DEVIATIONS FROM CONDITIONS OR DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS TO THE ARCHITECTURAL DESIGN PROFESSIONAL AND THE STRUCTURAL DESIGN PROFESSIONAL TO REVIEW THE DESIGN AND FOR POSSIBLE REVISION OF THE CONTRACT DOCUMENTS. BEGINNING FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.
2. THE NATURE OF STRUCTURAL DEMOLITION OR STABILIZATION IS INHERENTLY UNCERTAIN. THE EXACT CONDITION AND CAPACITY OF EACH STRUCTURAL ELEMENT CANNOT BE VERIFIED BEFORE THE START OF WORK. IT IS IMPERATIVE TO REPORT ANY ELEMENT WITH QUESTIONABLE STRUCTURAL INTEGRITY TO THE ARCHITECTURAL DESIGN PROFESSIONAL AND THE STRUCTURAL DESIGN PROFESSIONAL FOR IMMEDIATE REVIEW.
3. NO ATTEMPT HAS BEEN MADE TO DEFINE EACH SPECIFIC STRUCTURAL ELEMENT THAT MUST BE REMOVED, ENHANCED, OR REPLACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE CONDITION OF INDIVIDUAL ELEMENTS (PARTICULARLY RAFTERS, JOISTS, AND STRUCTURAL DECK BOARDS) TO DETERMINE WHICH ELEMENTS CAN BE SALVAGED, WHICH ELEMENTS MUST BE REPLACED AND WHICH ELEMENTS ARE QUESTIONABLE. THE CONTRACTOR SHOULD CONSULT WITH THE ARCHITECTURAL DESIGN PROFESSIONAL AND THE STRUCTURAL DESIGN PROFESSIONAL TO DETERMINE THE APPROPRIATE PROCEDURE FOR ELEMENTS IN QUESTIONABLE CONDITION.
4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHORING, BRACING, AND PROTECTION MEASURES NECESSARY TO SAFEGUARD AND MAINTAIN THE EXISTING STRUCTURE DURING THE CONSTRUCTION OF THE SHORING, BRACING, AND PROTECTION PLAN FOR THE SHORING, BRACING, AND PROTECTION OF THE EXISTING CONSTRUCTION FOR REVIEW BY THE DESIGN PROFESSIONAL. THE REVIEW OF THE SUBMITTAL BY THE STRUCTURAL DESIGN PROFESSIONAL IS ONLY FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE PLAN MUST INCLUDE THE PROPOSED CONSTRUCTION SEQUENCE. THE SHORING, BRACING, AND PROTECTION PLAN MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION.
5. DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS.
6. NO REINFORCING SHALL BE CUT WITHOUT THE APPROVAL OF THE STRUCTURAL DESIGN PROFESSIONAL. ADDITIONAL REINFORCEMENT OF THE SLAB MAY BE REQUIRED FOR NEW PENETRATIONS. CLUSTERED PENETRATIONS MAY NEED TO BE SEPARATED OR REGROUPED DEPENDING ON THE CONFIGURATION OF THE SLAB REINFORCING.
7. PENETRATIONS ARE NOT PERMITTED IN PRIMARY STRUCTURAL MEMBERS (BEAMS AND COLUMNS) WITHOUT THE STRUCTURAL DESIGN PROFESSIONAL'S WRITTEN PERMISSION.
8. THE CONTRACTOR SHALL USE METHODS AND TAKE PRECAUTIONS TO PREVENT OVERTCUTTING FOR ANY NEW PENETRATIONS. SUGGESTED METHODS INCLUDE SAW CUTTING WITH CORED HOLES AT THE CORNERS OF NEW PENETRATIONS OR USING CONCRETE CHAINSAWS WITH PLUNGE-CUTTING CAPABILITIES.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE EXISTING STRUCTURE. ANY REPAIRS NOT DETAILED IN THE CONTRACT DOCUMENTS MUST BE SUBMITTED FOR REVIEW BY THE STRUCTURAL DESIGN PROFESSIONAL. THE SUBMITTAL MUST BE SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT JURISDICTION.



NOTES:
1. ALL STEEL ANGLES SHALL BE GALVANIZED A36 (G60 MIN)
2. COORDINATE LOCATION W/ ARCH

2 TYPICAL NEW CMU OPENING



1. PROVIDE HORIZONTAL JOINT REINF AT 16" OC
2. RE-POINT ALL AFFECTED MORTAR JOINTS
3. TOOTHING MASONRY MAY BE OMITTED WHERE THE EXPOSED JOINT BETWEEN NEW AND EXISTING IS ACCEPTABLE TO THE ARCHITECT AND OWNER

1 TYPICAL CMU OPENING INFILL