

MASONRY NOTES:

1. CONSTRUCT MASONRY IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE ACI-530 / ASCE 5 / TMS 402, LATEST EDITION "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES."
2. PROVIDE CONCRETE MASONRY UNITS (CMU) CONFORMING TO ASTM C90 GRADE N, WITH A MINIMUM NET COMPRESSIVE STRENGTH (F'M) OF 2,000 PSI. MASONRY STRENGTH SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD OR THE PRISM TEST METHOD AS DESCRIBED BY ACI 530.
3. PROVIDE MORTAR CONFORMING TO THE REQUIREMENTS OF ASTM C-270, TYPE S (OR AS APPLICABLE). CEMENT USED FOR MORTAR SHALL BE PORTLAND CEMENT WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 750 PSI.
4. PROVIDE GROUT CONFORMING TO THE REQUIREMENTS OF ASTM C476 COARSE GROUT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
5. PROVIDE REINFORCING BARS CONFORMING TO ASTM A615, GRADE 60. ALL WELDED REINFORCING SHALL BE ASTM A706. PROVIDE SPACERS AND TIES AS NEEDED TO PROPERLY SECURE REINFORCING PRIOR TO GROUTING. ALL CELLS WITH REINFORCING SHALL BE FULLY GROUTED.
6. MASONRY SHALL COMPLY WITH THE TYPICAL DETAILS FOR CONCRETE MASONRY WALL REINFORCING AND CONCRETE MASONRY OPENING REINFORCING AS SHOWN IN THE STRUCTURAL DRAWINGS.
7. SPECIAL INSPECTION IS REQUIRED ON ALL MASONRY WALLS, IN ACCORDANCE WITH BUILDING CODE REFERENCED ABOVE.
8. LAP REINFORCING IN ACCORDANCE WITH ACI 530, UNLESS INDICATED OTHERWISE IN STRUCTURAL DRAWINGS.
9. MORTARED CELLS SHALL BE PLACED CONTINUOUSLY AT THE ELEVATION OF CONSTRUCTION AND SHALL NOT BE PERMITTED TO BE PUMPED OR PLACED FROM ABOVE. GROUTING OF THE MASONRY CELLS SHALL BE PERMITTED IN THE INSTANCES WHERE CONTINUOUS MORTAR PLACEMENT CANNOT BE ACHIEVED.
10. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE GROUTING IS 5 FEET. MAXIMUM GROUT PLACEMENT HEIGHT IS 5 FEET. IF GROUT PLACEMENT HEIGHT EXCEEDS 5 FEET, PROVIDE CLEANOUT OPENINGS AT THE BOTTOM OF EACH PLACEMENT. CLEANOUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO BE FILLED WITH GROUT.
11. REINFORCE MASONRY WHERE SHOWN ON STRUCTURAL DRAWINGS. TIE REINFORCING IN POSITION AND PLACE GROUT AROUND REINFORCING. DO NOT PUSH REINFORCING DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET ANCHOR BOLTS SIMILARLY.
12. HORIZONTAL JOINT REINFORCEMENT SHALL NOT EXTEND THROUGH EXPANSION JOINTS IN THE MASONRY. JOINT REINFORCEMENT SHALL BE PLACED CONTINUOUSLY WITH THE ENDS LAPPED 6" FOR DEFORMED BARS AND 12" FOR SMOOTH BARS.
13. TIE MASONRY WYTHES TOGETHER WITH HORIZONTAL REINFORCING AS SPECIFIED.
14. PROVIDE VERTICAL BARS, SIZE AND SPACING MATCHING WALL REINFORCING, AT ALL CORNERS, ENDS OF WALLS, EACH SIDE OF CONTROL JOINTS, AND EACH SIDE OF WALL OPENINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS.
15. ALL CORNERS AND INTERSECTIONS OF STRUCTURAL MASONRY WALLS SHALL BE CONSTRUCTED BY INTERLOCKING COURSE.
16. ALL LINTELS SHALL BEAR 8" MINIMUM EACH SIDE OF OPENING ON SOLID GROUTED CELLS, UNLESS NOTED OTHERWISE.
17. VERTICAL BARS INTERRUPTED BY STEEL FRAMING SHALL BE WELDED TO TOP OF STEEL FRAMING, OR FASTENED TO TOP OF STEEL WITH REBAR COUPLERS WELDED TO TOP OF STEEL.
18. MORTAR BED JOINTS SHALL NOT EXCEED 3/8" THICKNESS, OR AS SPECIFIED IN EXPOSED AREAS WITH TIGHTER BED JOINT TOLERANCE.
19. COORDINATE PLACEMENT OF VERTICAL WALL DOWELS EMBEDDED INTO FOUNDATIONS AND FLOOR SLABS WITH CELLS OF MASONRY WALL. DOWEL SIZE AND SPACING TO MATCH VERTICAL WALL REINFORCING, U.O.N.
20. REFER TO ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL MASONRY PARTITION WALL CONSTRUCTION..

METAL DECK NOTES:

1. DESIGN, FABRICATE, AND ERECT METAL DECK IN CONFORMANCE WITH THE STEEL DECK INSTITUTE (SDI) "CODE OF RECOMMENDED STANDARD PRACTICE AND BASIC DESIGN SPECIFICATIONS".
2. FORM ROOF AND FLOOR DECK FROM STEEL SHEETS CONFORMING TO ASTM A611 GRADE C AND D OR A663 OR HIGHER SPECIFICATIONS WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
3. METAL DECK PANELS ARE TO BE 3-SPAN CONTINUOUS, UNLESS OTHERWISE NOTED.
4. PROVIDE SHORING FOR METAL DECK IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS INDICATED METAL DECK ERECTION DRAWINGS.
5. ATTACH METAL DECK TO STEEL SUPPORT MEMBERS AS INDICATED AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. WHEN DECK IS SCHEDULED TO BE EXPOSED, DE-SLAG, CLEAN, AND TOUCH UP WELDS WITH ZINC-RICH PRIMER.
6. LAP METAL DECK ENDS MINIMUM OF 2 INCHES.
7. WHEN FASTENING DECK TO SUPPORT MEMBERS WITH WELDS, PROVIDE WELDING MATERIALS INSTALLATION PROCEDURES TO PREVENT BURNING OF HOLES IN DECK. PROVIDE WELD WASHERS WHERE REQUIRED.
8. PROVIDE CLOSURE STRIP WHERE CHANGES IN DECK DIRECTION OCCUR. CLOSURE TO BE SAME DEPTH AND GAUGE AS DECK.
9. AT ENDS OF DECKS OR WHERE CHANGES OF DECK DIRECTION OCCUR, FASTEN DECK TO SUPPORTS AT EACH FLUTE. FASTEN SIDES OF DECK TO CLOSURES OR SUPPORTING MEMBERS PER SIDELAP FASTENING REQUIREMENTS.
10. WHERE PARTIAL PANELS MAY BE REQUIRED TO COMPLETE DECK INSTALLATION AT PERIMETER OF STRUCTURE, FASTEN DECK TO SUPPORTING STRUCTURAL MEMBERS AT EACH FLUTE. INSTALL PARTIAL DECK PIECES IN THREE CONTINUOUS SPAN LENGTHS.
11. AT PERIMETER OF DECK, SECURE DECK TO STRUCTURAL MEMBERS WITH SAME ATTACHMENT AND SPACING SUPPORT ATTACHMENT AS INDICATED ON PLANS.
12. DECK SUPPLIER IS RESPONSIBLE FOR PROVIDING CLOSURES AND POUR STOPS AT ALL TERMINATIONS OR CHANGES IN DIRECTION OF METAL DECK. ALL DECKING ACCESSORIES SHALL BE INCLUDED IN METAL DECK SHOP DRAWINGS FOR REVIEW AND APPROVAL.

COLD-FORMED STEEL NOTES:

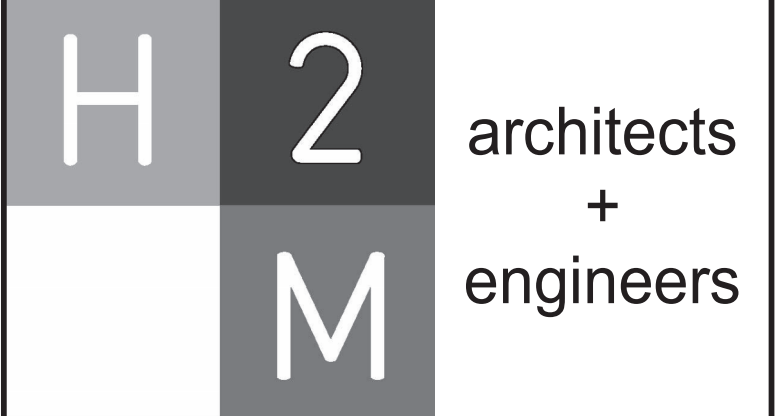
1. COLD-FORMED STEEL FRAMING SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.
2. PROVIDE ALL STUDS AND/OR JOISTS AND ACCESSORIES OF THE TYPE, SIZE, GAUGE, AND SPACING SHOWN ON THE DRAWINGS.
3. FORM ALL FRAMING MEMBERS AND ACCESSORIES FROM CORROSION RESISTANT STEEL, CORRESPONDING TO REQUIREMENTS OF ASTM A653 AND THE FOLLOWING STRENGTH REQUIREMENTS:
 - A. MATERIAL WITH A THICKNESS OF 18 GA (43 MIL) OR THINNER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI.
 - B. MATERIAL WITH A THICKNESS OF 16 GA (54 MIL) OR THICKER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
4. PLACE ALL COLD-FORMED STEEL STUD WALL BRIDGING HORIZONTALLY WITH A MAXIMUM VERTICAL SPACING OF FOUR FEET, UNLESS NOTED OTHERWISE. AS AN OPTION, CONTINUOUS COLD-FORMED CHANNELS MAY BE POSITIONED THROUGH THE STUD PUNCH OUTS AS BRIDGING PROVIDED THE BRIDGING CHANNEL IS PROPERLY FASTENED TO EACH STUD. STUDS WITH A MEMBER DEPTH OF EIGHT (8) INCHES OR GREATER SHALL USE CONTINUOUS FLAT STRAP BRIDGING ON EACH SIDE OF THE WALL.
5. BRIDGING SHALL BE SECURELY ANCHORED TO A POST, STRONGBACK, BRACE, OR OTHER SUPPORTING MEMBER PER WALL DESIGN, OR NOT FARTHER THAN EVERY 24 FEET ON CENTER.
6. INSTALL AXIALLY LOADED STUDS IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED AGAINST THE INSIDE OF THE TRACK WEB PRIOR TO FASTENING.
7. FASTEN COMPONENTS WITH SELF-DRILLING SCREWS OR WELDING. PROVIDE SCREWS OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS IS NOT PERMITTED. TOUCH UP ALL WELDS WITH A ZINC-RICH PAINT.
8. WELDING OF COLD-FORMED STUDS MAY BE PERFORMED USING A MINIMUM ONE-EIGHTH INCH AWS TYPE 6013 WELDING ROD.
9. SECURELY ANCHOR WALL TRACKS TO THE SUPPORTING STRUCTURE. PROVIDE COMPLETE, UNIFORM, AND LEVEL BEARING SUPPORT FOR THE BOTTOM TRACK. PROVIDE METAL OR PLASTIC SHIMS BETWEEN BOTTOM TRACK AND SLAB AT EACH WALL STUD AS NEEDED TO ENSURE FULL BEARING.
10. SECURELY ANCHOR ABUTTING LENGTHS OF WALL TRACK TO A COMMON STRUCTURAL ELEMENT, BUTT-WELDED OR SPLICED.
11. PLUMB, ALIGN, AND SECURELY ATTACH STUDS TO THE FLANGES OF BOTH UPPER AND LOWER WALL TRACKS. SPLICES IN WALL STUDS ARE NOT PERMITTED.
12. ALIGN PUNCHED OPENINGS OF WALL STUDS.
13. PROVIDE HEADERS AND SUPPORTING STUDS FOR FRAMING OF WALL OPENINGS.
14. STUD MATERIAL USED IN HEADER CONSTRUCTION SHALL BE FREE OF PUNCHED OPENINGS.
15. WHERE COLD-FORMED STEEL DESIGN HAS BEEN DELEGATED, OWNER/CONTRACTOR SHALL HIRE A SPECIALTY ENGINEER WITH EXPERIENCE IN COLD-FORMED STEEL DESIGN TO DEVELOP THE DESIGN OF THE DELEGATED COLD-FORMED STEEL MEMBERS. SPECIALTY ENGINEER RESPONSIBLE FOR COLD-FORMED STEEL DESIGN SHALL BE A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROPOSED CONSTRUCTION. SPECIALTY ENGINEER SHALL PROVIDE A FULL SET OF COLD-FORMED STEEL ENGINEERING DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL. WHERE DELEGATED COLD-FORMED STEEL DESIGN INCLUDES BEARING WALLS, SHEAR WALLS, BRACED WALL PANELS, OR OTHER VERTICAL ELEMENTS OF THE BUILDING GRAVITY OR LATERAL SYSTEMS, DESIGN CALCULATIONS SHALL ALSO BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL. ALL ENGINEERING DRAWINGS AND CALCULATIONS SUBMITTED SHALL BE SIGNED AND SEALED BY THE SPECIALTY ENGINEER RESPONSIBLE FOR THE COLD-FORMED STEEL DESIGN.
16. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL PANELIZED COLD-FORM STEEL CONSTRUCTION FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
17. FOR ANY JAMB MEMBER THAT CANNOT BE SIZED AS SPECIFIED IN THE ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL SUBSTITUTE IT WITH AN HSS STEEL POST. THE HSS STEEL POST SHALL BE DESIGNED, PROCURED, AND INSTALLED BY THE CONTRACTOR

CURTAIN WALL SYSTEM NOTES:

1. CURTAIN WALL SYSTEM SHALL BE DESIGNED TO MEET THE MOST STRINGENT MINIMUM LOADING AND SERVICEABILITY REQUIREMENTS SPECIFIED IN DESIGN NOTES HEREIN AS WELL AS INDICATED IN SPECIFICATION SECTION. CURTAIN WALL SYSTEM MUST BE DESIGNED AS A DEAD LOADED SYSTEM BEARING ON FOUNDATIONS OR STEEL BEAMS WHERE SPECIFICALLY NOTED IN PLANS. NO COMPONENTS OF THE SYSTEM SHALL BE HUNG FROM STEEL SUPPORTS ABOVE UNLESS SPECIFICALLY INDICATED IN PLANS. MANUFACTURER SUPPLIED CLIPS SHALL BE PROVIDED BY GC FOR LATERAL ATTACHMENT TO STRUCTURE.

LIST OF ABBREVIATIONS:


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|---------|---|-------------------------------|
| C/C | = | CENTER-TO-CENTER |
| C.J. | = | CONTROL JOINT; CEILING JOISTS |
| D.E. | = | DECK EDGE |
| E.F. | = | EACH FACE |
| E.J. | = | EXPANSION JOINT |
| E.W. | = | EACH WAY |
| E.O.D. | = | EDGE OF DECK |
| E.O.S. | = | EDGE OF SLAB |
| I.F. | = | INSIDE FACE |
| O.C. | = | ON CENTER |
| O.F. | = | OUTSIDE FACE |
| O.H. | = | OVERHEAD |
| R.R. | = | ROOF RAFTERS |
| S.O.G. | = | SLAB-ON-GRADE |
| T.O.D. | = | TOP OF DECK |
| T.O.F. | = | TOP OF FOOTING |
| T.O.P. | = | TOP OF PIER/PEDESTAL |
| T.O.S. | = | TOP OF SLAB; TOP OF STEEL |
| T.O.Sh. | = | TOP OF SHELF |
| T.O.W. | = | TOP OF WALL |
| TYP. | = | TYPICAL |
| U.O.N. | = | UNLESS OTHERWISE NOTED |
| W.P. | = | WORKING POINT |



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MARK	DATE	DESCRIPTION
1	03/19/2025	BID ADDENDUM #1



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PROJECT No:
TRFD 2302

DATE:
MARCH 2025

SCALE:
AS SHOWN

CLIENT

THIELS
ROSEVILLE FIRE
DISTRICT

NEW 26-100 FIRE
HEADQUARTERS



65 W RAMAPO ROAD
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CONTRACT

CONTRACT G

STATUS

BID ADDENDUM NO.1

SHEET TITLE

GENERAL NOTES

DRAWING No.

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