City of Aurora
Building Codes Division
15151 E Alameda Pkwy
Aurora, CO 80012
(303) 739-7420

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Date: 5/7/13

PLAN REVIEW REVISION SUBMITTAL

This form should be completed and submitted with all building plan revisions. All changes from the previously approved drawings must be clearly shown by clouding, circling, etc.

Project address 1644 S. Potomac St. Unit # 110

Project name Imaging Center Valuation $ ~~0~~

Contractor Howell Construction Contractor License

Contact Name Marcus Pickworth Phone # 303-633-6684

Fax Email MPickworth@howellconst.com

Owner The Medical Center of Aurora Phone # 303-338-7869

Address 1501 S. Potomac St. Fax

Have there been any permits issued for this job? Yes X No

If yes, what is the permit number? 2013-648159

What type of work is being proposed in the attached plans being submitted?

Chiller platform & equipment screen location change

- - - - - - - - THIS SPACE FOR OFFICE USE ONLY - - - - - - - -

Review	Reviews	Total Review	PE
___	Mechanical	___	___
___	Plumbing	___	___
___	Electrical	___	___
X	Structural	1.5	CM
___	Bldg Life Safety	___	___
___	Fire Life Safety	___	___
	Total review time	___	

Review time

One half hour minimum collected at Plan intake.

Plan Location

Parent RSN 704489 ✓

Permit Number 2013-658141 LT

Permit Type Limited (LT)

Subtype Plan Revisions

Intake by R. Ritter (P.E.)

Limited (LT)

Plan Revisions

PT INPUT: PLANS PICKED UP BY:

Company:
Name: (Print)
Phone:

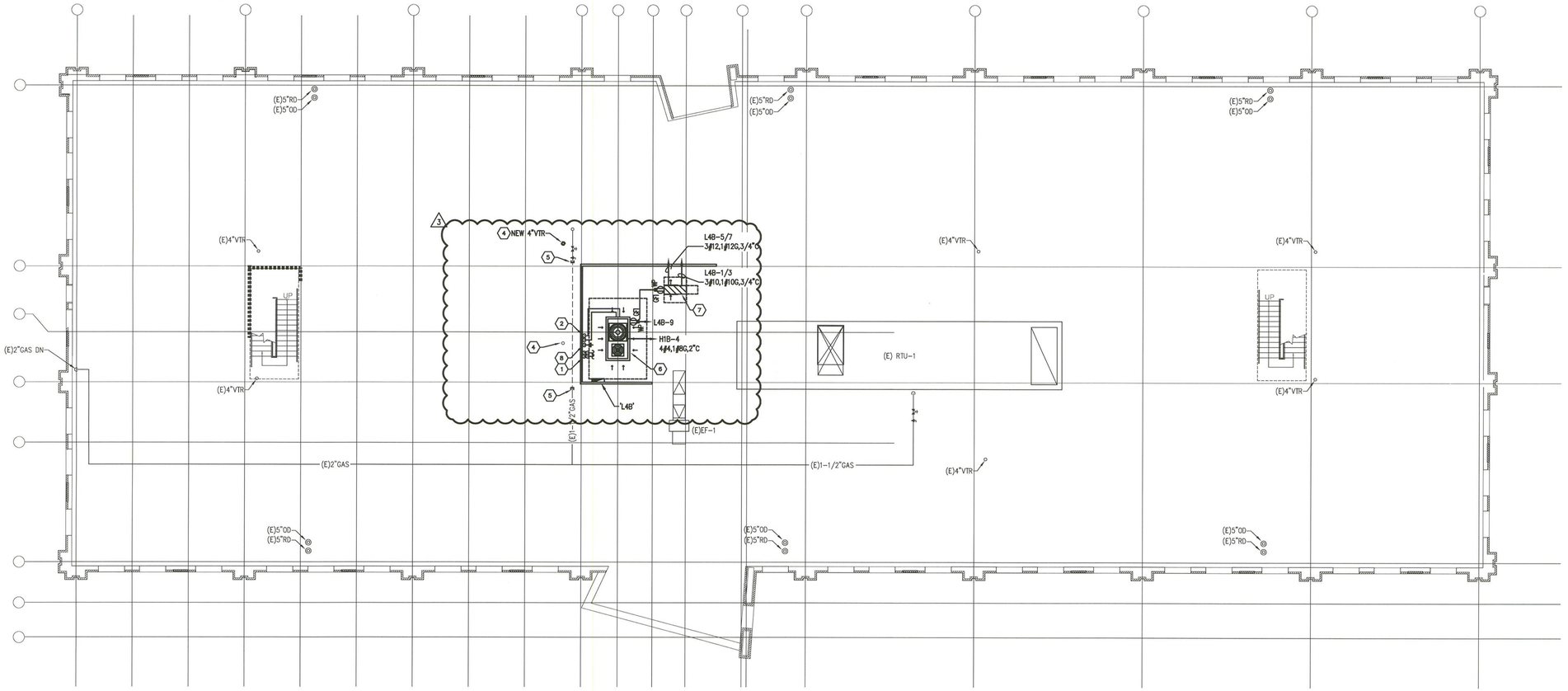
- .50 (= $56.50) Minimum plan fee paid (1/2 hour)

$ ___

RSN 713941

BOARD OF APPEALS

The City of Aurora has created a Building Code and Contractor's Appeals and Standards Board. Applicants have the right to have the board hear appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of the building code. Any application for appeal to the board shall be based on a claim that the true intent of the code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of the building code do not fully apply or an equally good or better form of construction is



GENERAL NOTES

A. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO CONSTRUCTION AND VERIFY THE NATURE AND EXTENT OF MECHANICAL WORK AS WELL AS LOCATIONS OF OTHER SYSTEM COMPONENTS.

B. COORDINATE HVAC WORK WITH EQUIPMENT, PIPING, ELECTRICAL CONDUITS, BUILDING STRUCTURES, AND CEILING HEIGHTS.

C. CONTRACTOR SHALL INSTALL NEW SYSTEM WITH INTERFERENCE AND IN STRICT COORDINATION WITH OTHER TRADES INVOLVED.

D. CONTRACTOR SHALL REPAIR AND/OR REPLACE, WITHOUT ANY COST TO THE OWNER, ANY SYSTEMS DAMAGED DUE TO HIS WORK

E. ROUTE FEEDERS FROM ELECTRICAL ROOM TO ROOF PARALLEL TO REFRIGERANT LINES.

LEGEND NOTES

1. SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS TO CRAC UNIT IN FIRST FLOOR CEILING. PROVIDE ROOF SUPPORTS FOR CONDENSER EQUIPMENT PER MECHANICAL DETAILS. COORDINATE ROOFING REQUIREMENTS WITH BUILDING ROOFING SUB-CONTRACTOR AND STRUCTURAL ENGINEER.
2. 2"GCHWS/R DOWN. ROUTE GCHWS/R PIPING TO EQUIPMENT ROOM PER MRI VENDOR RECOMMENDATIONS. COORDINATE ROUTING THROUGH 2ND AND 3RD FLOOR WITH BUILDING OWNER. PROVIDE 2" VALVED DRAIN CONNECTION FOR CHILLER DRAINAGE AT ROOF LEVEL. GLYCOL SOLUTION TO BE RECLAIMED DURING DRAINAGE PROCESS TO ENSURE THE FLUID DOES NOT DRAIN TO SANITARY/STORM SYSTEMS.
3. PROVIDE ROOF SUPPORTS FOR ROOFTOP MOUNTED PIPING. TYPICAL.
4. DEMO EXISTING VTR AND VENT PIPING TO BELOW ROOF LEVEL. PATCH AND REPAIR ROOF PER ARCHITECTURAL DRAWINGS AND COORDINATE ROOFING REQUIREMENTS WITH BUILDING ROOFING SUB-CONTRACTOR. ROUTE NEW 4" VENT IN 3RD FLOOR CEILING TO WATER HEATER ROOM AND PROVIDE NEW 4" VTR AT LOCATION INDICATED.
5. TEMPORARILY CUT AND CAP EXISTING 1-1/2" GAS LINE. RE-ROUTE NEW GAS LINE ALONG SAME PATH AND COORDINATE ROUTING WITH MECHANICAL SCREEN STRUCTURE.
6. MRI CHILLER TO BE PROVIDED BY SIEMENS AND INSTALLED BY MECHANICAL SUB-CONTRACTOR. PROVIDE 18" ISOLATION CURB.
7. CU-1, CU-2 TO BE STACKED VERTICALLY WITH DISCHARGE IN SAME DIRECTION. PROVIDE EQUIPMENT SUPPORTS AS REQUIRED.
8. 3/4" CW UP FROM FIRST FLOOR FOR CONNECTION TO YH-1.

01 MEP ROOF PLAN
SCALE: 3/32" = 1'-0"

REVISION
TO PERMIT # 2013-648159 LT
(CHILLER PLATFORM AND EQUIPMENT SCREEN LOCATION CHANGE

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED C.MACY
DATED MAY 16 2013
REVISION # 2013-658141 LT

DWG FILENAME:

The Medical Center of Aurora
Health ONE

IMAGING CENTER

MEDICAL CENTER OF AURORA

1444 SOUTH POTOMAC STREET
AURORA, COLORADO 80012

TOM THOMPSON ARCHITECT
2510 SOUTH OSCEOLA STREET
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720.989.6084
TomThompsonArchitect@gmail.com

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COLORADO LICENSED
THOMAS A. MACY
40087
PROFESSIONAL ENGINEER
4/30/13

PROJECT NO.: 12-04

DRAWN BY: CSL
CHECKED BY: MAM
SCALE: 3/32"=1'0"
DATE: 02/15/2013
ISSUED FOR: CONSTRUCTION
REVISIONS:
1 03/07/2013 ASI # 01
2 03/20/2013 ASI # 02
3 04/30/2013 ASI # 03
4
5

SHEET TITLE:
MEP ROOF PLAN

SHEET NO.:
MEP100

GENERAL NOTES

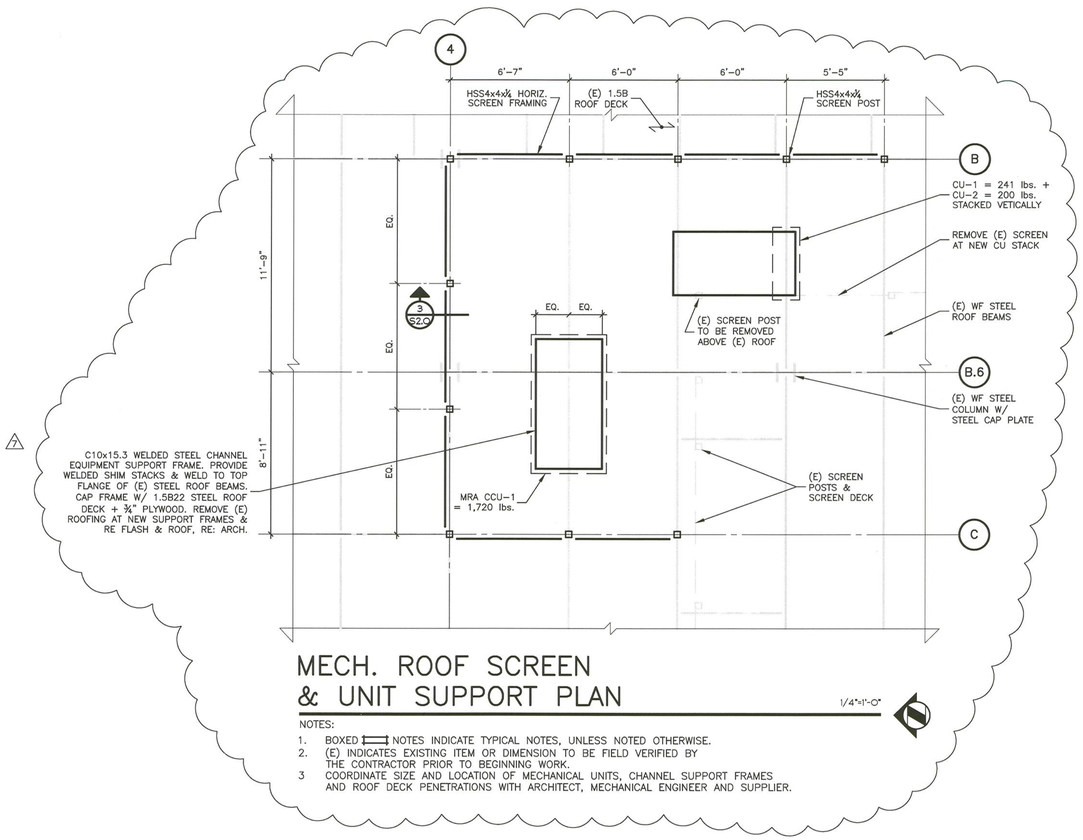
1. Design Standards:
   - A. International Building Code 2009 Edition
   - B. ASCE 7-05 Minimum Design Loads for Buildings and Other Structures
   - C. ACI 318-08 Building Code Requirements for Structural Concrete
   - D. AISC 360-05 (13th Edition Steel Construction Manual)
   - E. AISI S100-07 North American Specification for the Design of Cold-Formed Steel Structural Members
2. Gravity Loads Used in Design:
   - A. Roof Snow Load: 30 psf
   - B. Mechanical and Imaging Equipment Loads: As Noted

   (7)
3. Wind Load Design Criteria:
   - A. Basic Wind Speed = 100 mph
   - B. Exposure Category B
   - C. Building Occupancy Category II
   - D. Topographic Factor, Kzt = 1.0
   - E. Wind Importance Factor, I = 1.0
4. Concrete:
   - A. All concrete shall be made with stone aggregate and shall develop a minimum 28 day compressive strengths of 3,500 psi.
   - B. All reinforcing bars shall be ASTM A615, Grade 60, unless noted otherwise. Welded wire reinforcing shall conform to ASTM A185 or ASTM A497.
   - C. No splices of reinforcement shall be made and no welding to reinforcing shall be permitted except as detailed or authorized by the Structural Engineer. Reinforcing lap splices are to be a minimum of 36 bar diameters, unless noted otherwise. Wire fabric reinforcement must lap one full mesh plus 2" at side and end laps, but not less than 6", and shall be wired together. Make all bars continuous at corners or provide corner bars of equal size and spacing.
   - D. Detail bars in accordance with the ACI Detailing Manual and ACI Building Code Requirements for Reinforced Concrete.
   - E. Provide all accessories necessary to support reinforcing at positions shown.
   - F. Slabs shall not have joints in a horizontal plane All construction joints shall be as detailed or as approved by the Structural Engineer.
   - G. No chloride admixtures shall be added to concrete without the approval of the Structural Engineer.
   - H. All exterior concrete shall be air-entrained to 6% (+/- 1.5%).
   - I. Slab-on-grade control joints are to be spaced a maximum of 15'-0" on center and are to coincide with column centerlines and re-entrant corners.
5. Steel:
   - A. All structural steel shall conform to ASTM A36, except wide flange shapes which shall conform to ASTM A992 (Grade 50) and HSS sections which shall conform to ASTM A500 (Grade B).
   - B. Structural steel shall be detailed, fabricated and erected in accordance with the AISC Steel Construction Manual.
   - C. All welders shall have evidence of passing the AWS standard qualification tests, and have a current certification.
   - D. Minimum weld size shall not be less than 3/16" continuous fillet weld, unless noted otherwise.

   (7) (E)
   - Cold-Formed Steel Framing:
     1. All cold-formed steel framing shall be the type, size and spacing indicated and as manufactured by a member of the Steel Stud Manufacturers Association (SSMA).
     2. All cold-formed steel framing shall be manufactured in accordance with ASTM A653 and ASTM C955. 54 mil and heavier members shall be Grade 50; 43 mil and lighter shall be Grade 33.
     3. All cold-formed steel framing shall be constructed in accordance with AISI S200 North American Standard for Cold Formed Steel Framing - General Provisions, unless noted otherwise, and shall comply with all manufacturer's recommendations using the manufacturer's recommended accessories, subject to review by the Structural Engineer.
     4. All connections shall be welded, screwed or powder fastened as specified.
     5. Do not cut or splice cold-formed steel members unless specifically indicated.
     6. Field cutting shall be done by sawing or shearing. Cut squarely for attachment to perpendicular members, or slope cut as required for fit against an angular abutting member.
6. All dimensions on Structural drawings shall be checked against Architectural.
7. Structural Engineer's approval must be secured for all substitutions.
8. Verify all openings through floor, roof and walls with mechanical and electrical contractors.
9. All existing conditions and dimensions shown on the drawings shall be field verified by the contractor. It is the contractor's responsibility to immediately notify the Structural Engineer should any existing condition not be shown, or if any existing condition differs from those indicated on the drawings.
10. During construction, the contractor shall be responsible for temporary bracing to withstand all loads to which the structure may be subjected, including lateral loads and stockpiles of materials and equipment. Such bracing shall be left in place as long as may be required for safety and until all structural framing and diaphragms are in place with connections completed.
11. Do not reproduce contract documents, copy standard printed information, or use electronic drawing files as the basis for shop drawings.
12. Special inspection shall be in accordance with Chapter 17 of the International Building Code for the following:
    - A. Structural steel construction, Table 1704.3
    - B. All shop and field welding
    - C. Structural steel details

    (7) (D)
    - Structural concrete construction, Table 1704.4
13. Significant permanent equipment sizes, weights, and locations indicated on the drawings are as provided to the Structural Engineer during design. Changes in sizes, weights, or locations from that indicated must be submitted in writing for review and approval by the Structural Engineer. Required supports or braces not shown on the drawings are the responsibility of the equipment supplier.
14. Explanation of section designation used:

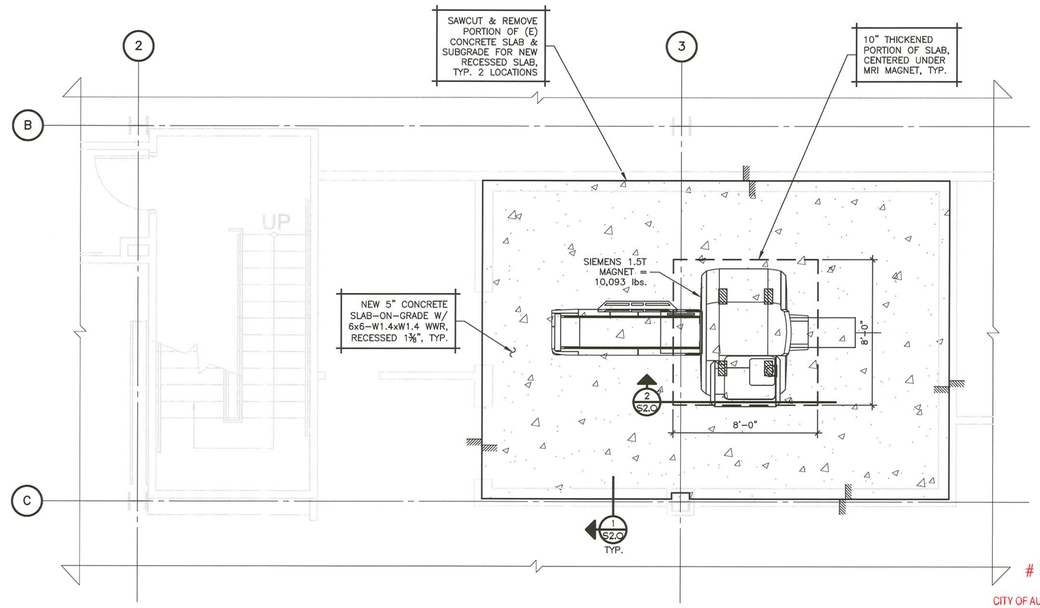




MECH. ROOF SCREEN & UNIT SUPPORT PLAN

1/4"=1'-0"

NOTES:
1. BOXED ⟦ ⟧ NOTES INDICATE TYPICAL NOTES, UNLESS NOTED OTHERWISE.
2. (E) INDICATES EXISTING ITEM OR DIMENSION TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING WORK.
3. COORDINATE SIZE AND LOCATION OF MECHANICAL UNITS, CHANNEL SUPPORT FRAMES AND ROOF DECK PENETRATIONS WITH ARCHITECT, MECHANICAL ENGINEER AND SUPPLIER.



MRI SUPPORT SLAB PLAN

1/4"=1'-0"

NOTES:
1. BOXED ⟦ ⟧ NOTES INDICATE TYPICAL NOTES, UNLESS NOTED OTHERWISE.
2. (E) INDICATES EXISTING ITEM OR DIMENSION TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING WORK.
3. ALL FLOOR SLABS SHALL BE CONSTRUCTED DIRECTLY OVER PROPERLY CONDITIONED AND COMPACTED SUBGRADE.

#13-658141

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED
DATED MAY 15 2013

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

The Medical Center of Aurora
HealthONE

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1501 SOUTH POTOMAC STREET
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TomThompsonArchitect@gmail.com

nextlevel engineers
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nlengineers.com

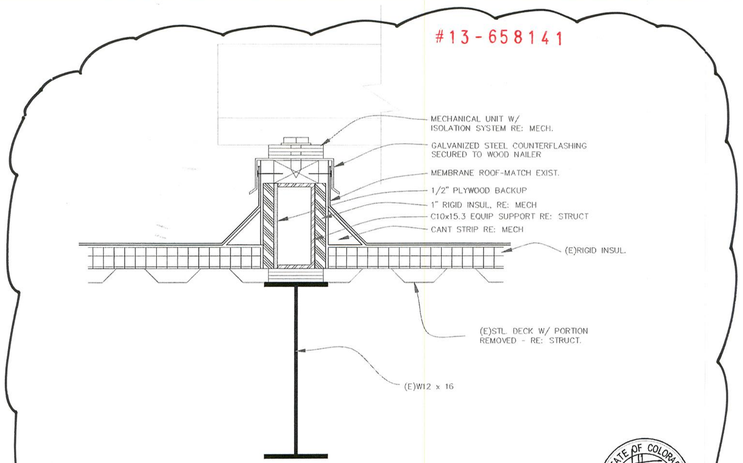
COLORADO LICENSED
MATTHEW N. WICHERT
36279
4-16-13
PROFESSIONAL ENGINEER

PROJECT NO.: 12-03
DRAWN BY: SAW
CHECKED BY: MWN
SCALE:
DATE: 10-05-12
ISSUED FOR: CONSTRUCTION
REVISIONS:
7 04-16-13 RTU RELOCATION

SHEET TITLE:
GENERAL NOTES & PLANS

SHEET NO.:
S1.0

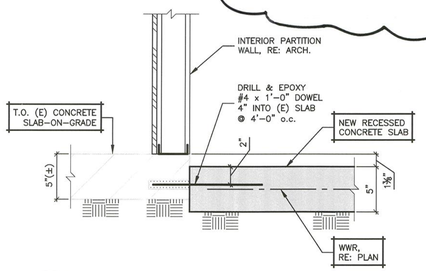
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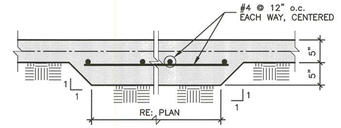
1 A7.0 EQUIPMENT SUPPORT DETAIL
NTS

STATE OF COLORADO · THOMAS W. THOMPSON · 30282 · 04.22.13 · LICENSED ARCHITECT

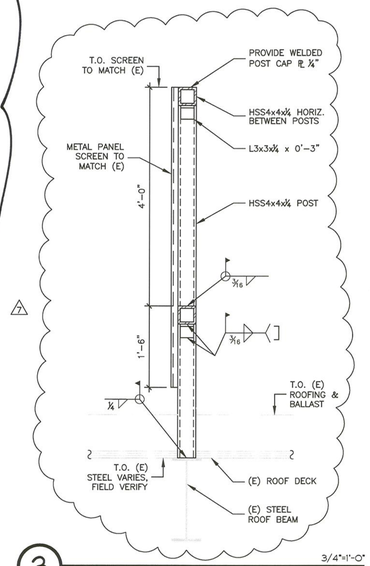
BOXED NOTES INDICATE TYPICAL NOTES



1 1-1/2"=1'-0"



2 3/4"=1'-0"



3 3/4"=1'-0"

7 NOT USED

4 3/4"=1'-0"

7 NOT USED

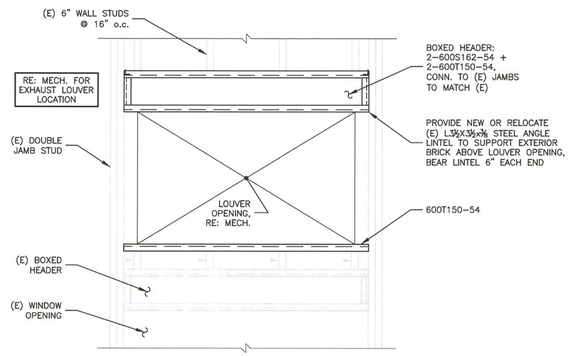
5 3/4"=1'-0"

7 NOT USED

6 3/4"=1'-0"

7 NOT USED

7 3/4"=1'-0"



8 INTERIOR NORTH WALL ELEVATION AT NEW EXHAUST LOUVER
3/4"=1'-0"

#13-658141

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED CLANCY
DATED MAY 15 2013

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7 04-16-13 RTU RELOCATION

SHEET TITLE:
DETAILS

SHEET NO.:
S2.0