ST. LOUIS COUNTY JAIL - CONVERSION TO HOUSING

DULUTH, MN 55802

PROJECT RENDERING



PROJECT TEAM

OWNERS
New Burnham, LLC
575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

ARCHITECT & LANDSCAPE ARCHITECT
LHB
701 Washington Ave N, Suite 200
Minneapolis, MN 55401
612.338.2029

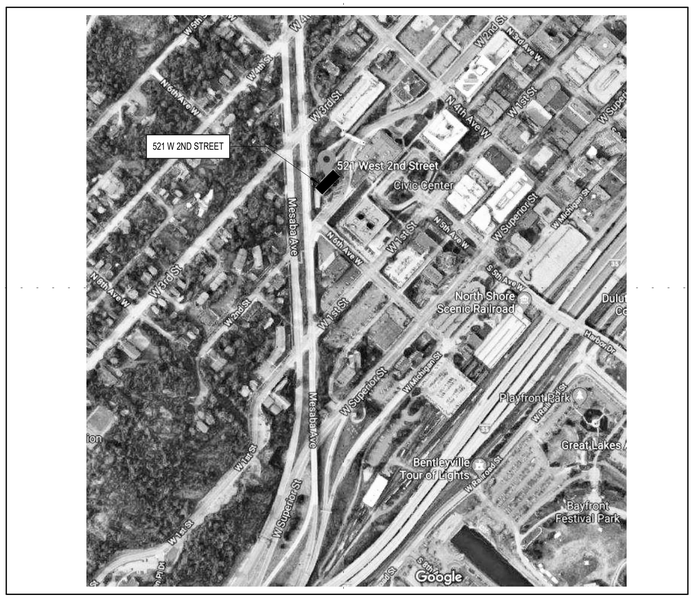
CIVIL ENGINEER
LHB
21 West Superior St., Suite 500
Duluth, MN 55802
218.727.8446

STRUCTURAL ENGINEER
Mattson Macdonald Young, Inc.
901 North 3rd Street, Suite 100
Minneapolis, MN 55401
612.827.7825

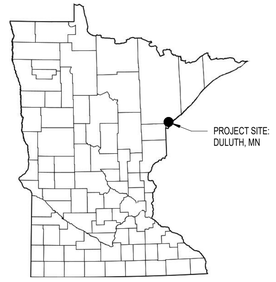
MEP ENGINEER - DESIGN/BUILD

GENERAL CONTRACTOR
TBD

REGIONAL MAP



STATE MAP



BUILDING DATA

BUILDING AREA TABULATION - PROPOSED

FLOOR NAME	DESCRIPTION	AREA (GSF)
BASEMENT	APARTMENTS, STORAGE & MECH. (4,090)	6,248
FIRST FLOOR	APARTMENTS & COMMON AREA	6,248
SECOND FLOOR	APARTMENTS	6,248
THIRD FLOOR	APARTMENTS	6,248
FOURTH FLOOR	APARTMENTS	6,248
FIFTH FL.	APARTMENTS (2,080*) & MOTH BALLED/MECH. (3,129)	5,209
TOTAL		36,449

*1,039SF OF VAULTED SPACE NOT INCLUDED IN AREA

St. Louis County Jail Repurposing - 7/12/21

ITEMIZED UNIT TYPE	DESCRIPTION				FLOOR					TOTAL TYPE
	AREA (NET SF)	BR	BA	ACC	B	1	2	3	4	
EFF A	465	0	1	B			4	4		8
EFF A2	476	0	1	B		2				2
EFF B	423	0	1	B			1	1		2
EFF B2	388	0	1	B		1				1
EFF C	303	0	1	B		1				1
EFF D	389	0	1	B	1					1
EFF E	339	0	1	B		1				1
1BR + DEN A1**	667	1	1	B*					2	2
1BR + DEN A2**	774	1	1	B*					1	1
1BR + DEN B**	714	1	1	B*					1	1
1BR C	648	1	1	B			1	1		2
1BR D	585	1	1	B		1				1
1BR E	529	1	1	B			1	1	1	3
1BR F	694	1	2	B*		1				1
1BR + DEN G**	738	1	1	B*					1	1
1BR+DEN A	616	1	1	A		1				1
2BR B	742	2	1	B*					1	1
2BR C	709	2	1	B			1	1	1	3
TOTALS					1	8	8	8	8	**33**

TOTAL UNIT TYPE	TOTAL TYPE
EFF	**16**
1 BR	**7**
1 BR + DEN	**6**
2 BR	**4**
TOTAL	**33**

NOTE: UNIT AREAS INCLUDE THE MECH. SHAFT AREA
* MULTI STORY UNITS THAT ARE PROVIDED WITH EXTERNAL ELEVATOR SERVICE TO ONLY ONE FLOOR - THE FLOOR PROVIDED WITH ELEVATOR SEVICE SHALL BE THE PRIMARY ENTRY TO THE UNIT, SHALL COMPLY WITH THE REQUIREMENTS FOR A TYPE B UNIT AND WHERE PROVIDED WITHIN THE UNIT, A LIVING AREA, A KITCHEN AND A TOILET FACILITY SHALL BE PROVIDED ON THAT FLOOR.

**DEN/OFFICE ADDED TO UNIT TYPES IN ADDENDUM 1

UNIT ACCESSIBILITY DATA

Units are designed to the following Accessibility Standards:

ACC. Type	Accessibility Standard
A	ICC/ANSI 117.1 - Type 'A' Accessible Unit
B	ICC/ANSI 117.1 - Type 'B' Accessible Unit

NUMBER OF ACCESSIBLE UNITS REQUIRED
1. MN 1107.6.2.1.1 requires 2% of dwelling units be Type 'A' Accessible: 32 Units x 2% = 1

NUMBER OF ACCESSIBLE UNITS PROVIDED
1 - Type 'A' Accessible Unit is provided.

SHEET INDEX

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G0.01 CODE PLANS
G0.02 CODE REVIEW - IEBC
G0.03 CODE REVIEW - IBC
G0.10 PROJECT NOTES

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L100 LANDSCAPE PLAN
L200 LANDSCAPE DETAILS
C100 SITE REMOVALS & EROSION CONTROL PLAN
C200 SITE PLAN
C300 GRADING PLAN
C400 CONSTRUCTION DETAILS

STRUCTURAL
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S0.01 STRUCTURAL NOTES
S0.02 SPECIAL INSPECTIONS & STRUCTURAL SITE PLAN
S0.03 SCHEDULES
S1.00 FOOTING AND FOUNDATION PLAN
S1.10 FIRST FLOOR FRAMING PLAN
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S3.10 THIRD FLOOR FRAMING SECTIONS AND DETAILS
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S4.00 ROOF FRAMING SECTIONS AND DETAILS
S5.00 STAIR A FRAMING PLANS AND SECTION
S5.01 STAIR A FRAMING SECTIONS AND DETAILS
S5.02 STAIR FRAMING SECTIONS AND DETAILS
S6.00 STRUCTURAL VISUALS

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D1.00 BASEMENT DEMO PLAN
D1.10 FIRST FLOOR DEMO PLAN
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D1.40 FOURTH FLOOR DEMO PLAN
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D2.01 EXTERIOR DEMOLITION ELEVATIONS

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A1.10 FIRST FLOOR PLAN
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A2.21 INTERIOR ELEVATIONS - COMMON AREAS - EXISTING CONDITION PHOTOS
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A6.03 INTERIOR DETAILS - STANDARD MOUNTING HEIGHTS
A6.06 STANDARDS FOR TYPE-A AND TYPE-B UNITS
A7.00 ROOM FINISH SCHEDULE
A7.10 SIGNAGE

ABBREVIATIONS

AHJ AUTHORITY HAVING JURISDICTION
CLR CLEAR 'DIMENSION'
(E) EXISTING
IBC 2012 INTERNATIONAL BUILDING CODE (W/ 2015 MN AMENDMENTS)
IEBC 2012 INTERNATIONAL EXISTING BUILDING CODE (W/ 2015 MN AMENDMENTS 'MN CONSERVATION CODE FOR EXISTING BUILDINGS')
MIN MINIMUM
NIC 'WORK' NOT IN CONTRACT
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE

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CLIENT:
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Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
TITLE SHEET

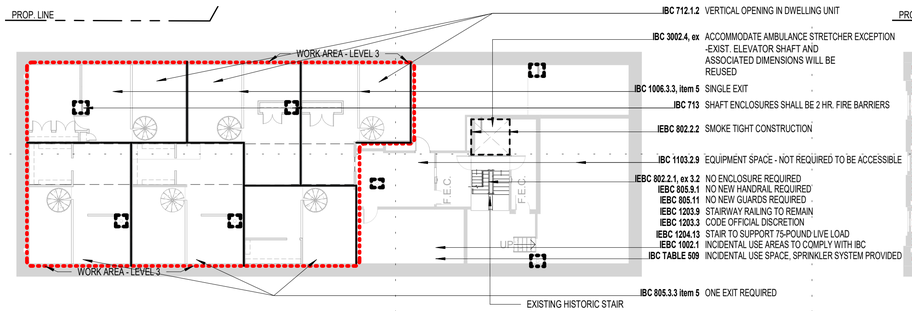
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CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **G0.00**

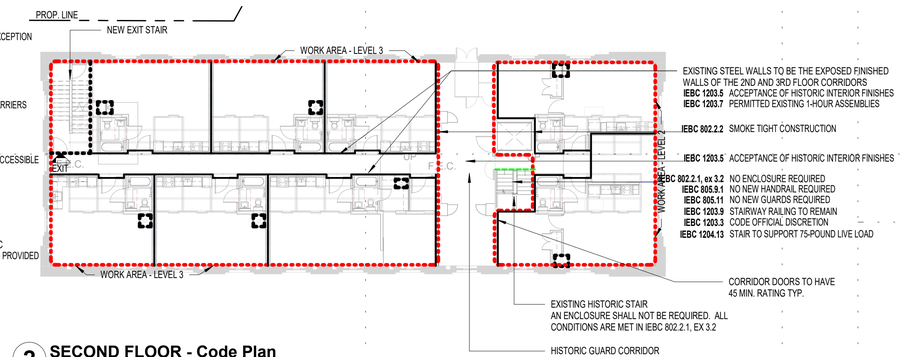
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CODE PLAN GENERAL NOTES:

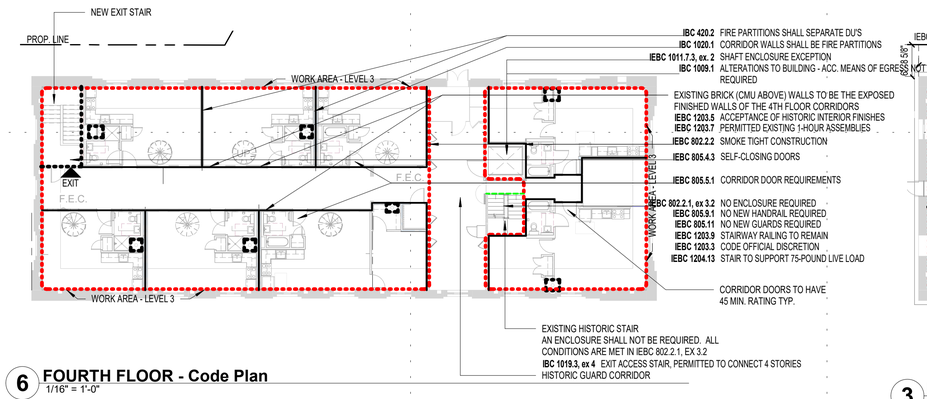
A. ALL CODE REFERENCES SHOWN HERE HAVE FURTHER DESCRIPTION/EXPLANATION ON SHEET G0.02 AND G0.03
B. THE COMBINED AREAS OF ALL LEVEL 2 WORK AREAS > 50% OF THE AGGREGATE AREA OF THE BUILDING, THEREFORE ALL FLOORS ARE CONSIDERED LEVEL 3 WORK AREAS (PER IEBC 505.1)
C. BUILDING IS TO BE SPRINKLERED W/ AN NFPA 13 SYSTEM (IBC 903.3.1.1)



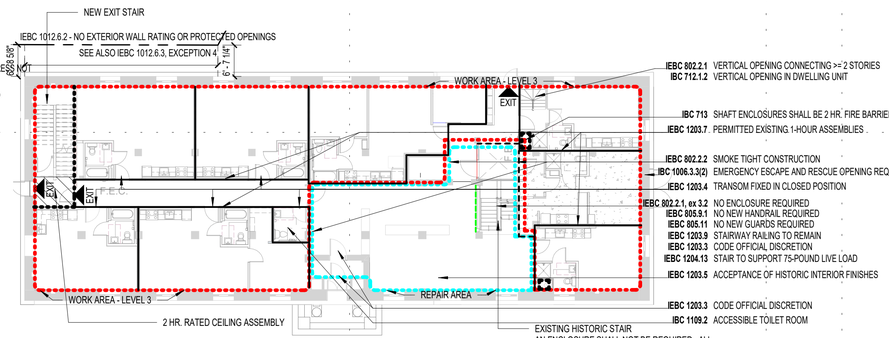
5 FIFTH FLOOR - Code Plan
1/16" = 1'-0"



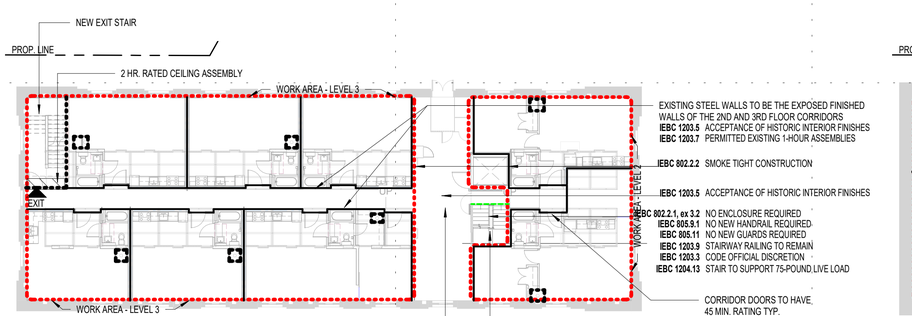
2 SECOND FLOOR - Code Plan
1/16" = 1'-0"



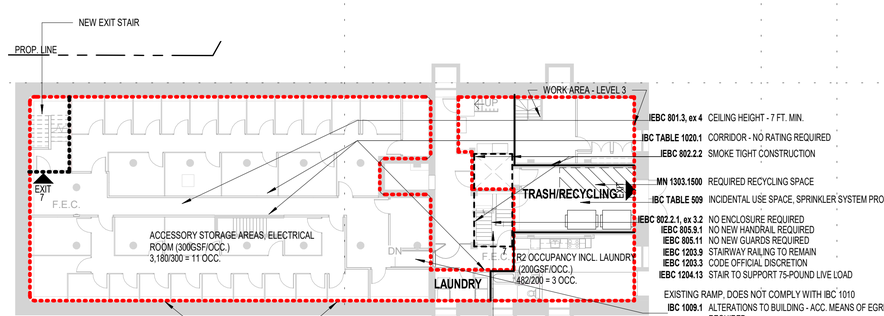
6 FOURTH FLOOR - Code Plan
1/16" = 1'-0"



3 FIRST FLOOR - Code Plan
1/16" = 1'-0"



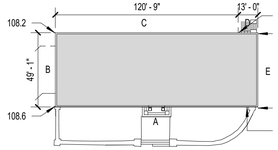
7 THIRD FLOOR - Code Plan
1/16" = 1'-0"



4 BASEMENT - Code Plan
1/16" = 1'-0"

WORK AREA LEGEND
- WORK AREA - LEVEL 3, WORK AREA EXCEEDS 50 PERCENT OF THE AGGREGATE AREA OF THE BUILDING (IEBC 505.1)
- REPAIR AREA

LIFE SAFETY LEGEND
- EXIT
- 2-HR FIRE BARRIER
- 1-HR FIRE PARTITION
- 1-HR FIRE BARRIER
- 1/2-HR FIRE PARTITION
- SMOKE BARRIER
- DRAFT CURTAIN WITH TIGHTLY SPACED SPRINKLER HEADS
- 2-HR RATED CEILING ASSEMBLY



A: (106.70 + 108.60)/2 X 133.25' =14,398.19
B: (108.60 + 108.20)/2 X 49.1' =5,322.44
C: (108.20 + 107.80)/2 X 120.75' =13,041.00
D: (107.80 + 102.20)/2 X 13.00' =1,365
E: (102.20 + 102.10)/2 X 49.1' =5,015.57
TOTAL =39,142.20

PERIMETER = A+B+C+D+E =364.70'
GRADE PLAN = 39,142.20 /364.70 = 107.33

CIVIL - ARCHITECTURE ELEVATION LEGEND		
LEVEL NAME	**CIVIL ELEV.**	**ARCH ELEV.**
FIFTH FLOOR (UPPER)		146' - 2"
FIFTH FLOOR		143' - 2"
FOURTH FLOOR		133' - 10"
THIRD FLOOR		123' - 7"
SECOND FLOOR		114' - 3"
WARDEN'S ROOM		104' - 1 3/8"
FIRST FLOOR	108.62*	100' - 0"
GRADE PLANE	**107.33**	**98' - 8 1/2"**
GARAGE	101.80*	93' - 2 1/8"
UPPER BASEMENT		92' - 1 3/8"
LOWER BASEMENT		90' - 1 3/4"

* = TO BE VERIFIED... NOT FROM SURVEY
** = EXTRAPOLATED FROM SURVEY
NOTE: GRADE PLANE DETERMINATION HERE IS ALSO SHOWN ON THE BUILDING ELEVATIONS

1 Code - Grade Plane Diagram
1" = 50'-0"

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NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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DRAWING TITLE:
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DRAWN BY: Author
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PROJ. NO: 180039

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MN Conservation Code for Existing Buildings (referenced as the IEBC in the construction documents)

ALL UNDERLINED TEXT IS PROJECT SPECIFIC COMMENTARY

Chapter 3: Provisions for all Compliance Methods

SECTION 301 ADMINISTRATION

301.1 General – The repair, alteration, change of occupancy, of all existing buildings shall comply with Section 301.2, 301.3 or 301.4

301.2 Repairs – Repairs shall comply with the requirements of Chapter 4

301.3 Alterations, additions or change of occupancy – The alterations, addition or change of occupancy of all existing buildings shall comply with one of the methods listed in Sections 301.3.1, 301.3.2, 301.3.3. Sections 301.3.1 through 301.3.3 shall not be applied in combination with each other

301.3.2 Work area compliance method - This project will follow this method…. Must comply with the applicable requirements of Chapters 6 through 12 of this coded

SECTION 302 GENERAL PROVISIONS

302.1 Applicability – The provisions of Section 302 apply to all alterations, repairs and change of occupancy regardless of compliance method.

302.3 Additional codes – This project must comply with other codes including the following:

Minnesota Energy Code (International Energy Conservation Code)
Minnesota State Fire Code (International Fire Code)
Minnesota Mechanical Code (International Fuel Gas Code & International Mechanical Code)
Minnesota Plumbing Code (International Plumbing Code)
MPCA minimum standards and criteria for individual sewage treatment systems (International Private Sewage Disposal Code)
NFPA 70

302.3.1 Window Cleaning Anchors – Shall comply with the Minnesota Building Code Window Cleaning anchors are not provided on this project as we are not exposing the main structural components of the roof. We are tapping into the structural members for the installation of the rooftop mechanicals and installing skylights

302.4 Existing materials – Materials already in used in a building in compliance with requirements or approvals in effect at the time of their erection or installation shall be permitted to remain in use unless determined by the building official to be unsafe.

302.5 New and Replacement materials – Except as otherwise required or permitted by this code, materials permitted by the applicable code for new construction shall be used. Like materials shall be permitted for repairs and alterations, provided that unsafe conditions are not created.

SECTION 305 ACCESSIBILITY FOR EXISTING BUILDINGS

General – Existing buildings or portions of existing buildings undergoing change of occupancy, alterations due to substantial improvements shall be made accessible to persons with disabilities as required by MN rules, Chapter 1341

Chapter 4: Repairs

Section 401 General

401.1 Scope – Repairs to historic buildings need only comply with Chapter 12 Building has an area designated as a repair area at the historic lobby

Chapter 6: Classification of Work

Section 601 General

601.1 Scope – The provisions of this chapter shall be used in conjunction with Chapters 7 through 12. The work performed on an existing building shall be classified in accordance with this chapter

601.2 Work Area – The work area shall be identified on the construction documents

Section 603 Alteration – Level 2

603.1 Scope – Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

603.2 Application – Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8.

Section 604 Alteration – Level 3

604.1 Scope – Level 3 alterations apply where the work area exceeds 50 percent of the aggregate area of the building. Work area > 50% for this project, therefore all alterations are considered level 3

604.2 Application – Level 3 alterations shall comply with the provisions of Chapters 7 and 8 for Level 1 and 2 alterations, respectively, as well as provisions of Chapter 9

Section 605 Change of Occupancy

605.1 Scope – Building is changing occupancy type from I-3 condition 5 (Jail) to R-2 (Apartment House)

605.2 Application – Changes of occupancy shall comply with the provisions of Chapter 10.

Section 607 Historic Buildings

607.1 Scope – This building fits the definition of historic building

607.2 Application – Except as specifically provided for in Chapter 12, historic buildings shall comply with the applicable provisions of this code for the type of the work being performed

Chapter 7: Alterations – Level 1 - No level 1 alterations are being proposed on this project, but compliance with chapter 7 is required of Level 2 alterations per 801.2

Section 701 General

701.1 Scope – Level 1 alterations to historic buildings shall comply with this chapter, except as modified in Chapter 12.

Section 702 Building Elements and Materials

702.1 Interior Finishes – All newly installed interior wall and ceiling finishes shall comply with IBC Chapter 8.

702.2 interior Floor Finish – New interior floor finish, including new carpeting used as an interior floor finish material, shall comply with Section 804 of the IBC.

702.3 Interior Trim – All newly installed interior trim materials shall comply Section 806 of the IBC

702.4 Window opening control devices on replacement windows – WOCDs shall be installed on replacement windows

702.5 Replacement window emergency escape and rescue openings – Window opening control devices shall be permitted for use on windows required to provide emergency escape and rescue openings

702.6 Materials and Methods – All new work shall comply with the materials and methods requirements in the IBC, IECC, IMC, IPC, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.

Chapter 8: Alterations – Level 2

Section 801 General

801.1 Scope – Level 2 alterations as described in IEBC Section 603 shall comply with the requirements of this chapter

801.2 Alteration Level 1 compliance – In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7

801.3 Compliance – All new construction elements, components, systems, and spaces shall comply with the requirements of the IBC.

Exceptions:

2. Newly installed electrical equipment shall comply with the requirements of Section 807.
4. The minimum ceiling height of the newly created habitable and occupiable spaces and corridors shall be 7 feet.

Section 802 Building elements and materials

802.2.1 Existing vertical openings (referenced by 903.1) – All existing interior vertical openings connecting 2 or more floors shall be enclosed with approved assemblies having a fire-resistance rating of not less than 1 hour with approved opening protectives.

Exception 1 – Where vertical enclosure is not required by the IBC or IFC The historic stair within the building will be considered an exit access stair and subject to the requirements of the IBC

R**Exception 3.2** – The enclosure shall not be required where all of the following conditions are met

3.2.1 – low hazard occupancy and protected throughout by a sprinkler system
3.2.2 – the next to lowest level is a street floor
3.2.3 – Area is open and unobstructed
3.2.4 – exit capacity is sufficient to provide egress simultaneously for all occupants as if the building was a single floor

Total stair width in inches (sprinklered): Total Occupant load/2 x 0.2*
Total Occupant Load = from IBC Section 1004
161/2 x 0.3" = 24.15"
Total other egress width in inches (sprinklered): Occupant load/2 x 0.15*
161/2 x 0.2" = 16.1"

3.2.5 – Each floor has at least one-half of its exit capacity provided by an exit leading directly out of that level The project meets all 5 of these conditions, but the east existing stair within the building is adhering to the more restrictive compliance of the exit access stair per the IBC, see IBC 1019.3, exception 4.

802.2.2 Supplemental shaft and floor opening enclosure requirements – Where the work area on any floor exceeds 50 percent of that floor area, the enclosure requirements of Section 802.2 shall apply to vertical openings other than stairways throughout the floor. This building has other vertical openings including an elevator shaft and an existing dumbwaiter

802.2.3 Supplemental stairway enclosure requirements – Where the work area on any floor exceeds 50 percent of that floor area, stairways that are part of the means of egress serving the work area shall, at a minimum, be enclosed with smoke-tight construction on the highest work area floor and all floors below. The stairway is open to the corridor on floors 1, 2, 3, and 4. The corridor walls act as the smoke tight construction enclosing the stair. The stair will also have a draft curtain installed in line with the top risers of the stair per the requirements for an exit access stair, see IBC 1019.3, exception 4.

802.4 Interior finish – The interior finish of walls and ceilings in exits and corridors in any work area shall comply with the requirements of the IBC

Exception – Existing interior finish materials that do not comply with the interior finish requirements of the IBC shall be permitted to be treated with an approved fire retardant coating in accordance with the manufacturer's instruction to achieve the rating.

802.4.1 Supplemental interior finish requirements – Where the work area on any floor exceeds 50 percent of the floor area, Section 802.4 shall also apply to the interior finish in exits and corridors serving the work area throughout the floor.

Section 803 Fire Protection

803.1 Scope – The requirements of this section shall be limited to work areas in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area

803.1.1 Corridor ratings – Where an approved sprinkler system is installed throughout the story, the required fire-resistance rating for any corridor located on the story shall be permitted to be reduced in accordance with the IBC (IBC table1020.1). In order to be considered for a corridor rating reduction, such system shall provide coverage for the stairwell landings serving the floor and the intermediate landings immediately below. Project is declining this reduction of rating to not trigger enhanced sprinkling. Clearances within the existing historic staircase are tight.

803.2 Automatic sprinkler systems – NFPA 13 Sprinkler system shall be installed.

803.2.3 Windowless stories – Work located in a windowless story, as determined in accordance with the IBC, shall be sprinklered where the work area is required to be sprinklered under the provisions of the IBC for newly constructed buildings.

803.3 Standpipes – Shall be installed where the work area is located 50 feet above the lowest level of fire dept. access. The lowest access point on the project is the garage (elev. 93'-2 1/8") and the highest level of work area is the 5th floor (elev. 143'-2"). The elevation difference is 49'-11 7/8". The Duluth fire marshall has indicated that they want to have standpipes installed at both stairs on the project (existing and new)

803.4.3 Smoke alarms – dwelling units an any work area shall be provided with smoke alarms in accordance with the International Fire Code.

Section 805 Means of Egress

805.1 Scope – The requirements of this section shall be limited to work areas that include exits or corridors within the work area in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.

805.3 Number of exits – the number of exits shall be in accordance with Sections 805.3.1 through 805.3.3

805.3.1 Minimum number – Every story utilized for human occupancy on which there is a work area that includes exits or corridors shared by more than one work area shall be provided with the minimum number of exits based on the occupancy and the occupant load in accordance with the IBC. In addition, the exits shall comply with Sections 805.3.1.1 and 805.3.1.2.

R**805.4.3 Door closing** – In any work area, all doors opening onto an exit passageway at grade or an exit stair shall be self-closing or automatic-closing by listed closing devices.

Exceptions:

1. Where exit enclosure is not required by the IBC
2. Means of egress within or serving only a tenant space that is entirely outside the work area

805.4.3.1 Supplemental requirements for door closing – Where the work area exceeds 50% of the floor area, doors shall comply with Section 805.4.3 throughout the exit stair from the work area to, and including, the level of exit discharge.

805.5 Openings in corridor walls – Openings in corridor walls in any work area shall comply with Sections 805.5.1 through 805.5.4

R**805.5.1 Corridor doors** – Corridor doors in the work area shall not be hollow core, or contain louvers. For R-2, they shall be at least 1 3/8" sold core wood and shall not have any glass panels, other than approved wired glass or other approved glazing material in metal frames. They shall be equipped with door closers. All replacement doors shall be 1 ¾" solid bonded wood core or approved equivalent, unless the existing frame will accommodate only a 1 3/8" door.

Exceptions:

1. Corridor doors within a dwelling unit
3. If sprinkler system, doors required only to resist smoke, be tight fitting and no louvers
5. Door assemblies having a fire protection rating of not less than 20 minutes

805.5.2 Transoms – See sections 1203.4 and 1204.6

805.5.3 Other corridor openings – In any work area, any other sash, grille, or opening in a corridor and any window in a corridor not opening to the outside air shall be sealed with materials consistent with the corridor construction.

805.5.3.1 Supplemental requirements for other corridor opening – Where the work area exceeds 50 percent of the floor area, Section 805.5.3 shall be applicable to all corridor windows, grills, sashes, and other opening on the floor.

Exception: Means of egress within or serving only a tenant space that is entirely outside the work area

805.5.4 Supplemental requirements for corridor openings – Where the work area on any floor exceeds 50 percent of the floor area, the requirements of Sections 805.5.1 through 805.5.3 shall apply throughout the floor.

805.7 Means-of-egress lighting – Means of egress lighting shall be in accordance with this section, as applicable

805.7.1 Artificial lighting required – In work areas, artificial lighting shall be per the IBC

805.7.2 Supplemental requirements for means-of-egress lighting – Where work area on a floor > 50 percent of the floor area, means of egress throughout the floor shall comply with Section 805.7.1

805.8 Exit Signs – Exit signs shall be in accordance with this section, as applicable. See also Section 1205.12

805.8.1 Work Areas – Means of egress in all work areas shall be provided with exit signs in accordance with the IBC

805.8.2 Supplemental requirements for exit signs - Where work area on a floor > 50 percent of the floor area, means of egress throughout the floor shall comply with Section 805.8.1

805.9 Handrails – The requirements of Sections 805.9.1 and 805.9.2 shall apply to handrails from the work area floor to, and including, the level of exit discharge

R**805.9.1 Minimum requirement** – Handrail is existing on East Stair, no new handrails will be provided

805.11 Guards – The requirements of Sections 805.11.1 and 805.11.2 shall apply to guards from the work area floor to, and including, the level of exit discharge but shall be confined to the egress path of any work area.

R**805.11.1 Minimum requirement** – At East Stair, there are no open portions of stair or landing that is more than 30 inches above the floor or grade below

Section 806 Structural

Section 807 Electrical

Section 808 Mechanical

Section 809 Plumbing

Section 810 Energy Conservation

See ASHRAE 90.1 2016, 4.2.1.3, Exception a: This project is exempt from compliance with the energy code due to its historic designation.

Chapter 9: Alterations – Level 3

Section 901 General

901.1 Scope – Level 3 alterations as described in Section 604 shall comply with the requirements of this chapter.

901.2 Compliance – In addition to the provisions of this chapter, work shall comply with all of the requirements of Chapters 7 and 8. The requirements of Sections 802 through 805 shall apply within all work areas whether or not they include exits and corridors shared by more than one tenant and regardless of the occupant load.

Section 902 Special Use and Occupancy

902.2 Boiler and furnace equipment rooms – Boiler and furnace rooms within multi-dwelling facilities shall be enclosed by a 1 hr. fire resistance rated construction

Exception 3 – Furnace rooms protected with automatic sprinkler protection

Section 903 Building Elements and Materials

903.1 Existing shafts and vertical openings – Existing stairways that are part of the means of egress shall be enclosed in accordance with Section 802.2.1 from the highest work area floor to, and including, the level of exit discharge and all floors below.

Section 905 Means of Egress

905.1 General - The means of egress shall comply with the requirements of Section 805 except as specifically required in Sections 905.2 and 905.3

905.2 Means-of-egress lighting – Means of egress from the highest work area floor to the floor of exit discharge shall be provided with artificial lighting within the exit enclosure in accordance with the requirements of the IBC.

905.3 Exit signs – Means of egress from the highest work area floor to the floor of exit discharge shall be provided with exit signs in accordance with the requirements of the IBC.

Chapter 10: Change of Occupancy

Section 1001 General

1001.1 Scope – The provisions of this chapter shall apply where a change of occupancy occurs, as defined in Section 202

1002.1 Compliance with the building code –Incidental use areas must comply with the IBC

Section 1003 Building Elements and Materials

1003.1 General – Building elements and materials in portions of building undergoing a change of occupancy classifications shall comply with Section 1011

Section 1004 Fire Protection

1004.1 General – Fire protection requirements of Section 1011 shall apply where a building or portions thereof undergo a change of occupancy classification

Section 1005 Means of Egress

1005.1 General – Means of egress in portions of buildings undergoing a change of occupancy classification shall comply with Section 1011

Section 1007 Electrical

1007.3 Service upgrade – Where the occupancy of an existing building or part of an existing building is change, electrical service shall be upgraded to meet the requirements of NFPA 70 for the new occupancy

1007.4 Number of electrical outlets – Where the occupancy of an existing building or part of an existing building is changed, the number of electrical outlets shall comply with NFPA 70 for the new occupancy

Section 1008 Mechanical

1008.1 Mechanical requirements - If the new occupancy is subject to different kitchen exhaust or mechanical ventilation requirements in accordance with the International Mechanical Code, the new occupancy shall comply with the intent of the respective International Mechanical Code provisions

Section 1009 Plumbing

1009.1 Increased demand – If the new occupancy is subject to increased plumbing fixture requirements in accordance with MN rules, Chapter 1305, or to increased water supply requirements in accordance with MN rules; Chapter 4714, the new occupancy shall comply with MN rules, Chapter 4714

Section 1010 Other requirements

1010.1 Light and ventilation – Light and ventilation shall comply with the requirements for the IBC for the new occupancy

Section 1011 Change of ocpancy classification

1011.1.1 Compliance with Chapter 9 – The requirements of Chapter 9 shall be applicable throughout the building for the new occupancy classification based on the separation conditions set forth in Sections 1011.1.1.1 and 1011.1.1.2

1011.1.1 Change of occupancy classification without separation – Building will not have any separations in the building. Chapter 9 shall be applied throughout the building for an R-2 use and the requirements of this chapter

1011.1.2 Fire protection and interior finish – The provisions of Sections 1011.2 and 1011.3 for fire protection and interior finish shall apply to all buildings undergoing a change of occupancy classification

1011.1.3 Change of occupancy classification based on hazard category – Degree of hazard between different occupancy classifications shall be determined in accordance with the categories specified in Tables 1011.4, 1011.5, 1011.6. Such a determination shall be the basis for the application of Sections 1011.4 through 1011.7

1011.2 Fire protection systems – Fire protection systems shall be provided in accordance with Sections 1011.2.1 and 1011.2.2

1011.2.1 Fire sprinkler system – Sprinkler system shall be installed throughout the area where the change of occupancy occurs. Building shall have an NFPA 13 system installed

1011.2.2 Fire alarm and detection system – fire alarm and detection system to be provided based on the new occupancy in accordance with Chapter 9 of the IBC, such system shall be provided throughout the area where the change of occupancy occurs. Existing alarm notification appliances shall be automatically activated throughout the building. Where the building is not equipped with a fire alarm system, alarm notification appliances shall be provided throughout the area where the change of occupancy occurs and shall be automatically activated.

1011.3 Interior finish – In areas of the building undergoing the change of occupancy classification, the interior finish of walls and ceilings shall comply with the requirements of the IBC for the new occupancy classification

1011.4 Means of egress, general – Hazard category from table 1011.4:
I-3 = 2, R-2 = 3; relative hazard is lower than previous occupancy

1011.4.2 Means of egress for change of use to equal or lower hazard category – Existing elements of the means of egress shall comply with the requirements of Section 905 for the new occupancy classification. Newly constructed or configured means of egress shall comply with IBC chapter 10. Stair @ NW will comply w/ IBC chapter 10

1011.4.3 Egress capacity – Egress capacity shall meet or exceed the occupant load as specified in the IBC for the new occupancy. See also Section 1203.3

1011.4.4 Handrails – See Section 805.9

1011.4.5 Guards – See Section 805.11

1011.5 Heights and Areas – Hazard category from table 1011.5
I = 2, R-2 = 2; relative hazard is equal to previous occupancy

1011.5.2 Height and area for change to equal or lesser hazard category – When a change of occupancy classification is made to an equal or lesser hazard category as shown in Table 1011.5, the height and area of the existing building shall be deemed acceptable.

1011.6 Exterior wall fire-resistance ratings – Hazard categories in regard to fire-resistance ratings of exterior walls shall be in accordance with Table 1011.6 Condition of plaster walls at exterior are in bad shape typically. Most exterior wall locations will receive furred walls for new finish surface and routing of electrical. All historic areas within the building will receive plaster repair at the exterior walls.
I = 3, R = 3; relative hazard is equal to previous occupancy

1011.6.2 Exterior wall rating for change of occupancy classification to an equal or lesser hazard category – When a change of occupancy classification is made to an equal or lesser hazard category as shown in Table 1011.6, existing exterior walls, including openings, shall be accepted

1011.6.3 Opening protectives – Per IBC

Exception 4 – Exterior opening protectives are not required when the change of occupancy group is to an equal or lower hazard classification in accordance with Table 1011.6

1011.7 Enclosure of vertical shafts – Enclosure of vertical shafts shall be in accordance with Sections 1011.7.1 through 1011.7.4

1011.7.1 Minimum requirements – Vertical shafts shall be designed to meet the IBC requirements for atriums or the requirements of this section. Even though this project has a lesser relative hazard classification per Table 1011.4, project will adhere to the stricter path designated for occupancy classification that is made to a higher hazard category per 1012.7.2

1011.7.2 Stairways – When a change of occupancy classification is made to a higher hazard category as shown in Table 1011.4, interior stairways shall be enclosed as required by the IBC (See IBC 1019.3, exception 4)

1011.7.3 Other vertical shafts – Interior vertical shafts other than stairways, including but not limited to elevator hoistways and service and utility shafts, shall be enclosed as required by the IBC when there is a change of use to a higher hazard category as specified in Table 1011.4

Exception 2 – Vertical openings, other than stairways, connecting less than six stories shall not be required to be enclosed if the entire building is provided with an approved automatic sprinkler system. Elevator connects less than six stories. NFPA 13 sprinkler will be installed. Shaft will be capped at the top of the equipment room above the 4th floor elevator shaft overrun.

Chapter 12: Historic Buildings

Section 1202 Repairs

1202.1 General – Repairs to any portion of a historic building or structure shall be permitted with original or like materials and original methods of construction

1202.2 Replacement – Replacement of existing or missing features using the original materials shall be permitted. Replacement glazing in hazardous location shall comply with the safety glazing requirements of Chapter 24 of the IBC

Section 1203 Fire Safety

1203.2 General - Every historic building that does not conform to the construction requirements specified in this code for the occupancy or use and that constitutes a distinct fire hazard as defined herein shall be provided with an approved automatic fire-extinguishing system as determined appropriate by the code official. The fire-extinguishing system shall not be used as a substitute for or as an alternative to, the required number of exits from any facility. The building will have a NFPA 13 sprinkler system

R**1203.3 Means of egress –** Existing door openings and corridor and stairway widths less than those specified elsewhere in this code may be approved, provided that, in the opinion of the code official, there is sufficient width and height for a person to pass through the opening or traverse the means of egress. When approved by the code official, the front or main exit doors need not swing in the direction of the path of exit travel, provided that other approved means of egress having sufficient capacity to serve the total occupant load are provided.

R**1203.4 Transoms** – Building will have a NFPA 13 sprinkler, therefore existing transoms in corridors and other fire resistance rated walls may be maintained if fixed in closed position. A sprinkler shall be installed on each side of the transom.

R**1203.5 Interior finishes** – The existing finishes of walls and ceiling shall be accepted when it is demonstrated that they are the historic finishes.

R**1203.7 One-hour fire-resistant assemblies** – Where 1-hour fire-resistance-rated construction is required by these provisions, it need not be provided, regardless of construction or occupancy, where the existing wall and ceiling finish is wood or metal lath and plaster.

R**1203.9 Stairway railings** – Existing handrails and guards at all stairs shall be permitted to remain, provided they are not structurally dangerous

1203.12 Automatic fire-extinguishing systems – Every historical building that cannot be made to conform to the construction requirements specified in the IBC code for the occupancy or use and that constitutes a distinct fire hazard shall be deemed to be in compliance if provided with an approved automatic fire-extinguishing system.

Section 1204 Change of Occupancy

1204.1 General – Historic buildings undergoing a change of occupancy shall comply with the applicable provisions of Chapter 10, except as specifically permitted in this chapter. When chapter 10 requires compliance with specific requirements of Chapter 7, Chapter 8 or Chapter 9 and when those requirements are subject to the exceptions in Section 1202, the same exceptions shall apply to this section.

1204.12 Exit Signs – The code official may accept alternative exit sign locations where such signs would damage the historic character of the building

R**1204.13 Exit stair five load** – Existing historic stairways in buildings changed to a Group R-2 occupancy shall be accepted where it can be shown that the stairway can support a 75-pounds-per-square-foot live load.

* requires either a NFPA 13 (903.3.1.1) or a NFPA 13R (903.3.1.2) fire sprinkler system
**requires an NFPA 13 (903.3.1.1) fire sprinkler system

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PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
701 Washington Ave. N, Ste 200 | Minneapolis, MN 55401 | 612.338.2029

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:

Typed or Printed Name: ANDREW MADSON

Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
CODE REVIEW - IEBC

DRAWN BY: Author
CHECKED BY:
PROJ. NO: 180039
DRAWING NO: G0.02

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:54:50 PM

MN Building Code (referenced as the IBC in the construction documents)

ALL UNDERLINED TEXT IS PROJECT SPECIFIC COMMENTARY

Codes and Standards Utilized:

2020 Minnesota State Building Code (2018 International Building Code w/ MN amendments)
2020 Minnesota Accessibility Code
2020 Minnesota Energy Code (2018 International Energy Conservation Code (IECC) with MN amendments)
-Commercial Energy Code
2020 Minnesota Fire Code
2020 Minnesota Conservation Code for Existing Buildings (2018 International Existing Building Code w/ MN amendments)

2020 Minnesota Provisions

1303.1500 Recycling Space
Apartment, office and storage area – 38,464 gsf x .0025 = 96SF
Mechanical/Electrical rooms 2633 gsf x .001 = 2.6SF
Total required recycling area = 98.6SF This area is shown on the code plan in the trash room

1303.2400 Radon
This building is exempt from the radon requirements as it is an existing structure

Chapter 3: Occupancy Classification and Use – This building will have a change in use from I-3, condition 5 jail to R-2 apartment house

302 Occupancy Classification and Use Designation
310.3 – Group R-2 - Residential, Apartment House
304 – Group B - Business Office (accessory to R-2 per 508.2)
303.1.2 – Group B – a space used for assembly purposes with an occupant load of less than 50 person and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy

Chapter 4: Special Detailed Requirements Based on Occupancy and Use

420.2 Separation Walls
Fire partitions (see Section 708) shall separate dwelling units from other dwelling units as well as other occupancies within the building. All dwelling units are separated by 1 hour fire partitions.

420.3 Horizontal Separation
Horizontal assemblies (see Section 711) shall separate dwelling and sleeping units from other dwelling and sleeping units as well as other occupancies within the building. All dwelling units are separated by 1 hour horizontal assemblies

420.4 Automatic Sprinkler System
Group R occupancies shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.2.8 and 903.3.2.
Note: The requirements of this section are exceeded by the use of a NFPA 13 system per 903.3.1.1

420.5 Fire Alarm Systems and smoke alarms
Fire alarm systems and smoke alarms shall be provided in group R-2 occupancies in accordance with Sections 907.2.6, 907.2.8, 907.2.9 and 907.2.10.

Chapter 5: General Building Heights and Areas

Section 503 General Building Height and Area Limitations
NOTE: Height and Area determined per IEBC 1011.5.2

508.2 Accessory occupancies
Group B
Allowable area = 10% of floor area (625 sf) or per table 506.2 (18,000 sf) whichever is less.
Allowable height = In accordance to Section 504 for the main occupancy of the building

508.2.4 Separation
No separation required between accessory occupancies and the main occupancy, exception 2 – R-2 dwelling units shall be separated from other dwelling units and from accessory occupancies contiguous to them in accordance with IBC 420 (1 hour fire partition)

508.3 Non-separated occupancies – Not applicable

509 Incidental Uses – Project has 2 incidental use spaces
0 hour* – Rooms with boilers where equipment is over 15 psi & 10 horsepower shall have a smoke separation

0 hour* – Waste collection rooms over 100 square feet shall have a smoke separation

Chapter 6: Types of Construction

Table 601 Fire-Resistance Rating Requirements for Building Elements

Type IIIB:	
Primary structural frame:	0 hour
Exterior bearing walls	2 hour (Criteria satisfied per IEBC 1011.6)
Interior bearing walls	0 hour - or as required by other parts of the code, noted below
Exterior non-bearing walls	0 hour (Criteria satisfied per IEBC 1011.6)
Interior non-bearing walls	0 hour - or as required by other parts of the code, noted below
Floor construction	0 hour - or as required by other parts of the code, noted below
Roof construction	0 hour
Dwelling separation	1 hour (Sections 420.2 & 708); fire partition
Horizontal separation	1 hour (Sections 420.3 & 711)
Shafts & vertical exit enclosures	2 hour (connecting 4 stories – Section 713.4); fire barrier
Interior Exit stairways	2 hour (connecting 4 stories – Section 1023.2); fire barrier
Corridors	1 hour Declining 30 minute rating per (Table 1020.1- for sprinklered building) and IEBC 803.1.1
Trash rooms	0 hour* with smoke separation if over 100 sf (Section 509)
Boiler rooms	0 hour* with smoke separation if over 100 sf (Section 509)
Laundry rooms	0 hour* with smoke separation if over 100 sf (Section 509)
Elevator equipment room	2 hour if abutting hoistway it serves (Section 3005.4)

Chapter 7: Fire-Resistance-Rated Construction

SECTION 705 EXTERIOR WALLS
Table 705.8 Openings –
Opening protectives are not required when the change of occupancy group is to an equal or lower hazard classification in accordance with IEBC Table 1011.6

SECTION 707 FIRE BARRIERS
707.3.1 Shaft enclosures – 2 hour where connecting 4 stories or more (713.4)
707.3.2 Interior exit stairway – 2 hour (1023.1)

707.5 Continuity – Fire barriers shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above.

SECTION 707 FIRE PARTITIONS
708.3 Shall have a fire resistance rating of not less than 1 hour.

Exception 1: Corridor walls are permitted to have a ½ hour* fire-resistance rating per Table 1020.1 Project is declining this reduction of rating to not trigger enhanced sprinkling per IEBC 803.1.1
Exception 2: DU's in buildings of Types IIIB construction shall have fire-resistance ratings of not less than ½ hour in buildings equipped throughout with an NFPA 13 sprinkler system in accordance with 903.3.1.1

SECTION 711 FLOOR AND ROOF ASSEMBLIES
Shall have a fire resistance rating of not less than 1 hour. Almost all horizontal assemblies are existing on the project and are confirmed by use of table 722 to be 1 hour rated min.

SECTION 713 SHAFT ENCLOSURES
713.4 Fire-resistance rating - Shall have a fire resistance rating of not less than 2 hours (connecting 4 stories or more)

713.7 Openings – Protect per section 716 as required for fire barriers. Doors shall be self- or automatic-closing by smoke detection in accordance with Section 716.2.6.6

SECTION 716 OPENING PROTECTIVES
716.1.2 Glazing - Glazing used in fire door and fire window assemblies shall comply with this section in addition to the requirements of Section 716.2 and 716.3 respectively.
716.1.2.2 Marking fire-rated glazing assemblies – Fire-rated glazing assemblies shall be marked in accordance with Tables 716.1(1), 716.1(2) and 716.1(3)

716.2.3 Fire Doors
Fire doors installed within a fire door assembly shall meet the fire rating indicated in Table 716.1(2)

716.2.6.6 Smoke-activated doors
Automatic closing doors installed in the following locations shall be permitted to have hold-open devices. Doors shall automatically close by the actuation of smoke detectors installed in accordance with Section 907.3 or by loss of power to the smoke detector or hold-open device. fire barriers (Section 707.6), fire partitions (Section 708.6) Shaft enclosures (Section 713.7)

Chapter 8: Interior Finishes

Table 803.13, Group R-2, Sprinklered

Interior exit stairways	C
Corridors	C
Rooms & enclosed spaces	C

Chapter 9: Fire Protection and Life Safety Systems
SECTION 903 AUTOMATIC SPRINKLER SYSTEMS
An automatic sprinkler system shall be provided throughout all stories per the requirements of Chapter 9 as required
903.2.8 Group R – Building area (work area) is larger than 4,500sf, requires an automatic sprinkler system.
903.3.1.1 NFPA 13 sprinkler system - to be provided as building is more than 4 stories in height

SECTION 905 STANDPIPE SYSTEMS See IEBC 803.3

SECTION 906 PORTABLE FIRE EXTINGUISHERS
906.1 – Shall be provided in occupancies and locations as required by the Minnesota State Fire Code
Table 906.3(1) – Size and distribution
2-A rating
4 extinguishers required minimum (1 per 11,250 sf)
Maximum travel distance of 75'

Chapter 10: Means of Egress
SECTION 1004 OCCUPANT LOAD

Fourth floor =	47
Third floor =	31
Second floor =	31
First floor =	31
Basement =	21
Total Occupant Load =	161

SECTION 1005 MEANS OF EGRESS SIZING
1005.2 Minimum width based on component – shall be not less than that specified for such component elsewhere in this code.
1005.3.1 Stairways - Total stair width in inches (sprinklered): Occupant load/2 x 0.3 NFPA 13 system installed but no emergency voice/alarm communication system

Fourth floor (each stair) =	(24 occupants x 0.3) = 7.2"
Third floor (each stair) =	(16 occupants x 0.3) = 4.8"
Second floor (each stair) =	(16 occupants x 0.3) = 4.8"
First floor =	(11 occupants x 0.3) = 3.3"

1005.3.2 Other egress components - Total other egress width in inches (sprinklered): Occupant load/2 x 0.2* NFPA 13 system installed but no emergency voice/alarm communication system

Fourth floor =	(24 occupants x 0.2) =4.8"
Third floor =	(16 occupants x 0.2) =3.2"
Second floor =	(16 occupants x 0.2) =3.2"
First floor =	(11 occupants x 0.2) =2.2"

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
Table 1006.2.1 – Maximum common path of egress travel distance – 125'* (R-2)
1006.2.2.1 Boiler, incinerator and furnace rooms
Two exits are required if the area of the room exceeds 500 sf **and** any fuel-fired equipment exceeds 400,000 Btus input capacity, **NOTE:** Mech. room is > 500sf, but every piece of equipment is < 400,000 Btus input capacity

Table 1006.3.3(1) Up to 4 dwelling units can be located on the basement, first, second or third floor with access to one exit.* The dwelling unit on the Warden's Office level only has access to 1 exit. This unit must be provided with emergency escape and rescue openings in accordance with Section 1030

SECTION 1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION
1007.1.1 Two exits or exit access doorways - exception 2* the separation distance between exit doors or exit access doorways shall not be less than one-third of the length of maximum overall diagonal dimension of the area served

SECTION 1009 ACCESSIBLE MEANS OF EGRESS
1009.1 Accessible means of egress required - Exception 3 Accessible means of egress are not required in alterations to existing buildings **NOTE:** This is a five story building with an existing elevator that only rose to the 4th floor. The new elevator is proposed to only reach the fourth floor. No emergency power is required for the elevator to be an accessible means of egress since this project is a building alteration and the 5th floor is not an accessible floor as it is mothballed mechanical space (per IBC 1103.2.9). No generator will be provided on this project.
1009.8 Two-way communication - A two-way communication system shall be provided at the elevator landing on each accessible floor that is one or more stories above the story of exit discharge.

SECTION 1010 DOORS, GATES AND TURNSTILES
1010.1 Doors - Means of egress doors shall meet the requirements of Section 1008.

SECTION 1011 STAIRWAYS Applies to the new stair

1011.2 Width – 44" min. Exception 1 – 36" when serving an occupant load of less than 50
1011.3 Headroom – 80"
1011.5 Stair treads and risers – 4"-7" risers, 11" treads
1011.5.4 Dimensional uniformity – 3/8" variance max. between largest and smallest tread/riser
1011.12 Stairway to roof
In buildings four or more stories above grade plane, one stairway shall extend to the roof surface The east exit access stair extends to the roof.

SECTION 1011 RAMPS
1012.2 Slope - Ramps shall be a slope of 1:12 with no vertical rise exceeding 30" max. **NOTE:** Basement ramp exceeds this max. slope. Accessible means of egress are not required in alterations to existing buildings (IBC 1009.1, ex 3)

SECTION 1014 HANDRAILS Applies to the new stair
1014.1 Where required - Handrails required for flights of stairs shall comply with section 1011.11, handrails required for ramps shall comply with section 1012.8
1014.2 Height – 34"-38"

SECTION 1016 EXIT ACCESS
1016.2 Egress through intervening spaces – Item 2 Egress from a room or space can pass through adjoining or intervening rooms or areas if they are accessory to one another and provide a discernible path of egress travel to an exit

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE
1017.3 Measurement – Exit access travel distance shall be measured from the most remote point of each room along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an exit. Interior exit stairways (excluded as part of the total path of travel)

Table 1017.2: R occupancy* = 250' max

SECTION 1019 EXIT ACCESS STAIRWAYS AND RAMPS
1019.3 Exit access stairways (included as part of the total path of travel) Floor openings between stories created by exit access stairways shall be enclosed.
Exception 4 – In R2 occupancy, the exit access stairway are not required to be enclosed provided that the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, the floor opening does not connect more than four stories, the area of the floor opening between stories does not exceed twice the horizontal projected area of the exit access stairway, and the opening is protected by a draft curtain and closely spaced sprinklers in accordance with NFPA 13,

SECTION 1020 CORRIDORS
Table 1020.1 Corridor Fire-Resistance Rating,
R Occupancy = 1 hour/30 minute* if occupancy is > 10, 0 hours if occupancy is < 10; see also IEBC 803.1.1
S Occupancy = 1 hour/0minutes* if occupancy load is >=30.
The basement corridor is not rated due to the small occupancy count.

Table 1020.2 Minimum Corridor Width = 44" min **NOTE:** 2nd and 3rd floor Corridors are 4' clear from steel cell wall to steel cell wall.

1020.6 Corridor continuity
Fire-resistance-rated corridors shall be continuous from the point of entry to an exit and shall not be interrupted by intervening rooms
Exception 1 – Foyers, lobbies or reception rooms less than 1,000 sf per floor aggregate area shall not be construed as intervening rooms if the rooms meet the requirements of this section

SECTION 1030 EMERGENCY ESCAPE AND RESCUE
1030.1 General – In addition to the means of egress required by this chapter, emergency escape and rescue openings shall be provided in Group R occupancies
Exception 4 – Shall not be required where the building is equipped throughout with an approved automatic sprinkler system* and the means of egress system complies without utilizing the single exit provisions under Section 1006.3.3 Emergency escape and rescue openings are required for unit on Wardens Office Level (unit 112)

Chapter 11: Accessibility
The building and site shall be accessible to persons with physical disabilities per the 2015 Minnesota Accessibility Code

1103.2.9 Equipment Spaces – Spaces frequented only be service personnel for maintenance, repair or occasional monitoring of equipment are not required to comply with this chapter.

1103.2.16 Existing Buildings: Existing buildings shall comply with IEBC Section 305 as amended by MN Rules, part 1341.0030 as applicable

1107.6.2.2.1 Type A units: At least 2% of the dwelling units shall be type A units (per chptr 10 A117.1, Section 1003)

1107.6.2.2.2 Type B units: All non-type A units shall be type B units (per chptr 10,A117.1,.Section,1004)

1109.5.1 Drinking fountains, minimum number: R-2 apartment house – no requirement – not required per table 2902.1

1109.9.1 Equity – Accessible facilities and spaces shall be provided with the same storage elements as provided in the similar nonaccessible facilities and spaces The basement tenant storage in the building is not accessible due to the slope of the ramp. The building does include accessible storage space on the fourth floor.

Chapter 12: Interior Environment
1206 Sound Transmission
Assemblies separating dwelling units from each other, and from public or service areas, shall have a STC of 50 min (design) or 45 min (field test) and an IIC of 50 min (design) or 45 min (field test)

1207.2 Minimum ceiling heights
Occupiable space, habitable spaces and corridors shall have a ceiling height of not less than 7'-6". See also IEBC 801.3 exception 4.
1207.3 Room area
Every dwelling unit shall have no fewer than one room that shall have not less than 120sf of net floor area.

Chapter 13: Energy Efficiency
The building shall be designed and constructed in accordance with the 2020 Minnesota **Commercial** Energy Code

Commercial building = For this code, all buildings that are not included in the definition of "residential buildings"
Residential building = For this code, includes detached one- and two-family dwellings and multiple single-family dwellings (townhouses) as well as Group R-2, R-3 and R-4 buildings three stories or less in height above grade plane.

C401.2.1 Application to existing buildings: This project will follow the ASHRAE 90.1 path

ASHRAE 90.1
4.2 Compliance
4.2.1.3 Alterations of Existing Buildings
Exception a: This project is exempt from compliance with the energy code due to its historic designation.

Chapter 29: Plumbing Systems

Group R-2
Water closets – 1 per dwelling unit
Lavatories – 1 per dwelling unit
Bathtubs or showers – 1 per dwelling unit
Drinking fountains - NA
Other – 1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per dwelling unit

Group B
Water closets – 1 per 25 up to 50
Lavatories – 1 per 40 up to 80
Drinking fountains – 1 per 100
Service sink – 1 total

Total provided
Water closets - 1 per dwelling unit and 1 public to serve B
Lavatories – 1 per dwelling unit and 1 public to serve B
Bathtubs or showers – 1 per dwelling unit
Kitchen sink – 1 per dwelling unit
Drinking fountain – None
Service sink – Located in closet off guard corridor

Chapter 30: Elevators and Conveying Systems
3002.1 Hoistway enclosure protection - See IEBC 1011.7.3, ex. 2

3002.1.1 Opening Protectives
Openings in hoistway enclosures shall be protected as required by IBC chapter 7, exception – The elevator car doors and the associated hoistway enclosure doors at the floor level designated for recall shall be permitted to remain open during a Phase I Emergency Recall Operation.

3002.4 Elevator car to accommodate ambulance stretcher
Required for buildings that are four or more stories above grade plane Exception: Minimum inside car dimensions shall not be less than 48" x 48". The project will reuse the existing hoistway and a custom elevator will be sized to fit.

3002.6 Prohibited doors
Smoke control doors shall be: on 'hold open' device that is activated for closure by fire or smoke sensing devices and readily openable from the car side without a key, tool, special knowledge or effort when closed.

3005.4 Machine rooms
Elevator machine rooms shall be enclosed with fire barriers. The fire-resistance-rating shall not be less than the required rating of the hoistway enclosure. -2 hours

Chapter 34: Existing Structures – Not adopted by MN. See 2020 MN Conservation Code for Existing Buildings

* requires either a NFPA 13R or a NFPA 13 fire sprinkler system (903.3.1.1 or 903.3.1.2)
**requires an NFPA 13 fire sprinkler system (903.3.1.1)

LHB
PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
CODE REVIEW - IBC

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: G0.03

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:54:50 PM

GENERAL CUTTING NOTES:

GENERAL - APPLIES TO ALL CUTTING IN ALL NON-STRUCTURAL WALL TYPES

1. CMU/CONCRETE WALLS REQUIRING CUTTING SHALL BE SAWCUT, NEAT, LEVEL AND PLUMB AND SHALL NOT DAMAGE ADJACENT AND SURROUNDING WALLS, FLOORS, CEILINGS, OR MATERIALS.
2. GYPSUM BOARD AND PLASTER WALLS REQUIRING CUTTING SHALL BE KNIFE CUT, NEAT LEVEL AND PLUMB AND SHALL NOT DAMAGE ADJACENT AND SURROUNDING WALLS, FLOORS, CEILINGS, OR MATERIALS.
3. SEE ALSO SPECIFICATION SECTION 02 41 00 - DEMOLITION, FOR MORE INFORMATION.

GENERAL PATCHING NOTES:

GENERAL - APPLIES TO ALL PATCHES AND WALL TYPES

1. ALL EMPTY OR ABANDONED HOLES PENETRATING THROUGH WALLS LEFT FROM FASTENERS, CONDUITS, SLEEVES, ANCHORS, PIPES, DUCTS, CABLES, ETC. SHALL BE PATCHED.
2. ALL EXISTING OPEN PENETRATIONS IN WALLS, FLOORS, AND CEILINGS AROUND CABLE TRAYS, CONDUITS, PIPES, DUCTS, CABLES, ETC. TO REMAIN SHALL BE PATCHED.
3. ALL HOLES, CRACKS AND DAMAGE IN SURFACES OF WALLS, FLOORS, AND CEILINGS LEFT BY FASTENERS, ANCHORS, HANGERS, SHELVES, BRACKETS, ETC. SHALL BE PATCHED.
4. FIELD VERIFY FULL EXTENT OF HOLES TO BE PATCHED.
5. CAULK IS NOT AN ACCEPTABLE PATCH MATERIAL UNLESS IT IS PART OF A TESTED ASSEMBLY APPROVED BY THE ARCHITECT.
6. FOR RATED ASSEMBLIES, PATCHES MUST BE A TESTED ASSEMBLY BY U.L. OR SIMILAR. PATCHES IN ASSEMBLIES WITH HIGHER FIRE RATINGS, SHALL MATCH THE HIGHER FIRE RATING. SEE SHEET G0.01 FOR RATINGS.
7. FINISH CONCEPT: PATCHED SURFACES SHALL MATCH THE EXISTING SURFACES IN SMOOTHNESS AND TEXTURE. PATCHES SHALL BE FINISHED SO THEY DO NOT SHOW THROUGH THE NEW FINISH MATERIAL APPLIED TO IT.

PATCHING HOLES PENETRATING THROUGH WALLS

1. CMU/CONCRETE WALLS: PATCHING MATERIAL SHALL BE MORTAR AND SHALL MATCH THE FULL THICKNESS OF THE ASSEMBLY UNLESS THE TESTED ASSEMBLY BEING USED SHOWS A DIFFERENT THICKNESS. USE FORMS FOR LARGER OPENINGS TO CONTAIN MORTAR PATCH MATERIAL. REMOVE FORMS AFTER PATCH HAS SET AND IS STABLE ON ITS OWN.
2. CMU/CONCRETE PATCH MATERIAL: HILTI, INC., CP637 MORTAR OR SIMILAR (U.L. SYSTEM NO. C-AJ-0074, OR SIMILAR). SUBMIT PRODUCT INFORMATION AND THE TESTED ASSEMBLY THAT WILL BE USED FOR REVIEW AND APPROVAL BY THE ARCHITECT.
3. GYPSUM BOARD WALLS: PATCHING MATERIAL SHALL BE JOINT COMPOUND AND TAPE. WHERE REQUIRED, CUT OUT DAMAGED GYPSUM BOARD TO THE NEAREST FRAMING MEMBER IN EACH DIRECTION. INSTALL NEW GYPSUM BOARD, INSULATION, ETC. IN CUT OUT AREA TO MATCH THE WALL ASSEMBLY AND RATING.
4. GYPSUM PLASTER WALLS: SCRAPE AND REMOVE ANY LOOSE PLASTER OR DEBRIS. REINFORCE WITH EXPANDED METAL LATH, CUT SLIGHTLY SMALLER THAN OPENING, FASTENED TO FRAMING, WOOD LATH OR OTHER SOLID SUBSTRATE. APPLY BONDING AGENT (LARSEN'S PLASTER-WELD OR EQUAL) TO EDGES OF SOUND EXISTING PLASTER. RE-PLASTER USING THREE-COAT TECHNIQUE AS PER ASTM C 842 USING MILLED PLASTER PRODUCT (NATIONAL GYPSUM GOLD BOND, USG RED TOP OR EQUAL). SEE SPEC SECTION 09 2300.

PATCHING AROUND EXISTING PENETRATIONS AND SYSTEMS TO REMAIN

1. CMU/CONCRETE WALLS: PATCHING MATERIAL SHALL BE MORTAR AND SHALL MATCH THE FULL THICKNESS OF THE ASSEMBLY UNLESS THE TESTED ASSEMBLY BEING USED SHOWS A DIFFERENT THICKNESS. USE FORMS FOR LARGER OPENINGS TO CONTAIN MORTAR PATCH MATERIAL. REMOVE FORMS AFTER PATCH HAS SET AND IS STABLE ON ITS OWN.
2. CMU/CONCRETE PATCH MATERIAL: HILTI, INC., FS635, CP636, OR CP637 MORTAR OR SIMILAR (U.L. SYSTEM NO. C-AJ-4017, OR SIMILAR). SUBMIT PRODUCT INFORMATION AND THE TESTED ASSEMBLY THAT WILL BE USED FOR REVIEW AND APPROVAL BY THE ARCHITECT.
3. GYPSUM BOARD WALLS: PATCHING MATERIAL SHALL BE JOINT COMPOUND AND TAPE. WHERE REQUIRED, CUT OUT DAMAGED GYPSUM BOARD TO THE NEAREST FRAMING MEMBER IN EACH DIRECTION. INSTALL NEW GYPSUM BOARD, INSULATION, ETC. IN CUT OUT AREA TO MATCH THE WALL ASSEMBLY AND RATING.
4. GYPSUM PLASTER WALLS: SCRAPE AND REMOVE ANY LOOSE PLASTER OR DEBRIS. REINFORCE WITH EXPANDED METAL LATH, CUT SLIGHTLY SMALLER THAN OPENING, FASTENED TO FRAMING, WOOD LATH OR OTHER SOLID SUBSTRATE. APPLY BONDING AGENT (LARSEN'S PLASTER-WELD OR EQUAL) TO EDGES OF SOUND EXISTING PLASTER. RE-PLASTER USING THREE-COAT TECHNIQUE AS PER ASTM C 842 USING MILLED PLASTER PRODUCT (NATIONAL GYPSUM GOLD BOND, USG RED TOP OR EQUAL). SEE SPEC SECTION 09 2300.

PATCHING HOLES, CRACKS AND DAMAGE IN SURFACES OF WALLS, FLOORS, AND CEILINGS

1. CMU/CONCRETE: PATCHING MATERIAL SHALL BE MORTAR. CLEAN AND PREPARE HOLE, CRACK OR DAMAGED AREA TO RECEIVE NEW MORTAR. APPLY BONDING AGENTS, OR SIMILAR AS RECOMMENDED BY THE MORTAR MANUFACTURER FOR THE INTENDED USE.
2. CMU/CONCRETE PATCH MATERIAL: HILTI, INC., FS635, CP636, OR CP637 MORTAR OR SIMILAR. SUBMIT PRODUCT INFORMATION ON THE PRODUCT THAT WILL BE USED FOR REVIEW AND APPROVAL BY THE ARCHITECT.
3. GYPSUM BOARD: PATCHING MATERIAL SHALL BE JOINT COMPOUND AND TAPE. WHERE REQUIRED, CUT OUT DAMAGED GYPSUM BOARD TO THE NEAREST FRAMING MEMBER IN EACH DIRECTION. INSTALL NEW GYPSUM BOARD, INSULATION, ETC. IN CUT OUT AREA TO MATCH THE WALL ASSEMBLY AND RATING.
4. GYPSUM PLASTER: SCRAPE AND REMOVE ANY LOOSE PLASTER OR DEBRIS. REINFORCE WITH EXPANDED METAL LATH, CUT SLIGHTLY SMALLER THAN OPENING, FASTENED TO FRAMING, WOOD LATH OR OTHER SOLID SUBSTRATE. APPLY BONDING AGENT (LARSEN'S PLASTER-WELD OR EQUAL) TO EDGES OF SOUND EXISTING PLASTER. RE-PLASTER USING THREE-COAT TECHNIQUE AS PER ASTM C 842 USING MILLED PLASTER PRODUCT (NATIONAL GYPSUM GOLD BOND, USG RED TOP OR EQUAL). SEE SPEC SECTION 09 2300.

CMU/CONCRETE WALL - PATCH ALTERNATE

CMU/CONCRETE WALLS: IN LIEU OF THE PATCHING WITH MORTAR DESCRIBED ABOVE. THE CONTRACTOR MAY PROPOSE USING ABUSE-RESISTANT GYPSUM OVERLAYS IN SOME AREAS, PROVIDED THEY COVER THE ENTIRE WALL AREA FROM FLOOR-TO-CEILING AND EDGE-TO-EDGE TO THE NEAREST FULL HEIGHT VERTICAL CORNER OR EDGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ON A PLAN, AND IN WRITING, THE AREAS THEY WOULD LIKE TO OVERLAY AND PRESENT IT TO THE OWNER AND ARCHITECT FOR REVIEW AND APPROVAL, ALONG WITH AN ALTERNATE BID FOR THE DESCRIBED SCOPE OF WORK. THE OWNER SHALL MAKE THE FINAL DECISION ON WHETHER GYPSUM OVERLAYS ARE ACCEPTABLE.

INTERIOR DETAIL NOTES:

THE FOLLOWING NOTES APPLY TO ALL WALL TYPES.

1. Refer to the Structural Drawings for locations and special requirements for stud spacing on all bearing wall assemblies.
2. At Unit partition walls, insulate the backside of all receptacles.
3. At Unit separation walls, provide intumescent wrap around receptacles and other electrical boxes. Coordinate with Electrical.
4. Install acoustic sealant in drywall assemblies at the following locations, typical:
   a. all perimeter joints;
   b. behind control joints;
   c. around electical, data and communication boxes;
   d. around pipes and ducts that penetrate wall assemblies;
   e. at ceiling and base of wall;
   f. elsewhere as required by manufacturers, noted in the wall types or floor-ceiling assemblies, or as specified to achieve the required sound rating for the assembly.
5. Refer to the Code Analysis sheet for required fire ratings and their locations. Fire ratings noted on the Wall Types are maximums for the assembly and may exceed the actual fire ratings required for the project.
6. For wall types that include resilient channel, provide plywood or gypsum board filler strips as follows: 1/2" x 4" along base plate, and 1/2" x 3" around all doors and windows, and around other wall openings such as recessed fire extinguisher cabinets, etc. Adjust size of filler strips as required to properly back trim and appurtenances. Sub-contractor shall coordinate type and material of fillers and blocking required with product mfg. Notify Architect prior to installation if different than noted above.
7. If the Contractor proposes alternate insulations or materials from those noted in the Wall Type details, Floor/Ceiling/Roof assemblies, or in the Specification, it is the Contractor's responsibility to show to the Architect, Owner, and Building Official, compliance with the tested assembly noted and the fire and sound ratings listed.
8. Do Not install electrical boxes, phone boxes, or other communication / data boxes back-to-back in the same stud space.
9. See appropriate Specification Sections for additional information on materials, accessories, and installation relative to the Wall Types and Equipment.
10. All openings cut, penetrations made, or equipment installed in fire rated walls, partitions, floors, or ceilings, shall be restored, sealed, fire-stopped or otherwise constructed or repaired to maintain the integrity of the fire rating to the full satisfaction of the Architect, Engineer, and Building Official. The General Contractor shall coordinate and be responsible for this work.
11. Installed wall assemblies must comply with the tested assembly noted for that wall type. Only products noted in the tested assembly are acceptable for use. It is the General Contractor's responsibility to show compliance with the assembly noted, or propose an equivalent tested assembly using the desired materials, for the Architect, Engineer, and Building Official to review and approve.
12. Refer to the detail sheets in this set, and the Specification, for more information and direction on fastening, product descriptions, accessories, etc.
13. See the "General Building Plan Notes" on the building plan sheets for additional information on wall types and their installation.

GENERAL PUBLIC STAIR NOTES:

(THESE APPLY TO ALL PUBLIC STAIRS)

1. FIRE RATINGS MUST EXTEND CONTINUOUSLY THROUGH FLOOR STRUCTURES AND UP TO ROOF DECK (OR INDEPENDENT CEILING STRUCTURE). REFER TO DETAILS.
2. NO PENETRATIONS OF STAIR WALLS ARE ALLOWED, EXCEPT FOR ITEMS INDICATED IN DRAWINGS.
3. STAIR RISER HEIGHTS SHALL BE 7 INCHES MAXIMUM AND 4 INCHES MINIMUM. STAIR TREAD DEPTHS SHALL BE 11 INCHES MINIMUM. THE RISER HEIGHT SHALL BE MEASURED VERTICALLY BETWEEN THE LEADING EDGES OF ADJACENT TREADS (I.E. TREAD TO TREAD). THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE (I.E. NOSE TO NOSE). ALL TREADS AND RISERS MUST BE UNIFORM WITHIN 3/8". (IBC 1009.3)
4. PROVIDE HANDRAIL AT EACH SIDE OF EVERY STAIR.
5. HANDRAILS SHALL BE 1-1/4" MIN. TO 2" MAX. OUTSIDE DIAMETER OR EQUIVALENT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE MOUNTED AT 34" MIN. TO 38" MAX. ABOVE STAIR NOSINGS AND WALKING SURFACES. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACE AND ADJACENT SURFACES SHALL BE 1-1/2" MIN. AND HANDRAIL MUST NOT PROJECT MORE THAN 4-1/2" FROM WALL. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS AND WALKING SURFACES FOR THEIR ENTIRE LENGTH.
6. INSTALL CONTINUOUS BLOCKING ON BOTH SIDES OF STAIRS ADEQUATE TO ACCOMMODATE HANDRAIL BRACKET LOADS. LOCATE BLOCKING BEHIND, AND CENTERED ON, HANDRAIL LOCATIONS. INSTALL ADDITIONAL BLOCKING WHERE NECESSARY FOR A COMPLETE AND CODE COMPLIANT INSTALLATION OF STAIRS, HANDRAILS AND BRACKETS. EACH BRACKET SHALL RESIST A LOAD OF 250 POUNDS APPLIED IN ANY DIRECTION. INSTALL HANDRAIL BRACKETS AT 4'-0" MAX. OR CLOSER TO ACHEIVE THE REQUIRED LOAD RESISTANCE. EACH SECTION OF HANDRAIL SHALL HAVE TWO BRACKETS, MINUMUM.
7. HANDRAIL TO CONTINUE 12" PAST BOTTOM TREAD NOSE.
8. HANDRAIL TO LEVEL OFF AND CONTINUE 12" PAST TOP TREAD NOSE.
9. END OF HANDRAIL MUST RETURN TO WITHIN 1/8 INCH OF WALL OR FLOOR.
10. NOTES 7, 8 AND 9 APPLY TO TOPS AND BOTTOMS OF HANDRAILS ONLY AND DO NOT APPLY TO HANDRAILS THAT ARE CONTINUOUS TO NEXT FLIGHT OF STAIRS.
11. REQUIRED HEADROOM CLEARANCE SHALL BE 80 INCHES MIN. MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGE OF THE NOSES. (IBC 1009.2)

GENERAL UNIT PLAN NOTES:

(THESE APPLY TO ALL DWELLING UNITS)

1. DIMENSIONS AT EXTERIOR WALLS ARE TO INTERIOR FINISH FACE OF EXISTING EXTERIOR WALL.
2. DIMENSIONS AT PARTY WALLS BETWEEN UNITS ARE TO THE CENTERLINE OF FRAMING (IF IT IS A SINGLE-STUD WALL) OR TO THE CENTERLINE OF THE AIR SPACE (IF IT IS A DOUBLE STUD WALL).
3. DIMENSIONS AT INTERIOR UNIT WALLS AND AT CORRIDOR WALLS ARE TO FACE OF STUDS.
4. NOT USED
5. REFER TO WALL TYPES (SHEET A5.00) FOR ASSEMBLY DETAILS OF WALLS DESIGNATED WITH IDENTIFIER INSIDE ◊.
6. REFER TO UNIT ROOM FINISH SCHEDULE (SHEET A7.00) FOR INTERIOR FINISH MATERIAL TYPES.
7. REFER TO UNIT DOOR SCHEDULE (SHEET A5.20) FOR INFORMATION ON DOORS AND OPENINGS WITHIN DWELLING UNITS.
8. PARTY WALLS BETWEEN UNITS SHALL BE INSULATED AND AIR AND SOUND SEALED. REFER TO DETAIL SHEET FOR INSULATION, BOXES AND PENETRATIONS AND SEALANT INFORMATION.
9. INSTALL INSULATION IN ALL BATHROOM WALLS AND WALLS CONTAINING PLUMBING PIPES AND AS SHOWN/NOTED ON WALL TYPES (SHEET A5.00).
10. MINIMUM CEILING HEIGHT - REFER TO GENERAL BUILDING PLAN NOTE NUMBER 14.
11. ALL INTERIOR UNIT WALLS ARE TYPE A3 U.N.O.

GENERAL KITCHEN NOTES:

(THESE APPLY TO ALL KITCHENS)

1. BLOCKING MUST BE INSTALLED IN ALL AREAS WHERE REQUIRED FOR MOUNTING CABINETS.
2. AT ALL PENETRATIONS OF EXTERIOR OR PARTY WALLS REFER TO SPECIAL DETAILS IN DRAWINGS.
3. CABINET SUPPLIER TO SUPPLY FILLERS. ADJUST LAYOUT TO PREVENT DOOR AND DRAWER INTERFERENCE AT INSIDE CORNERS AND TO ACCOMMODATE ALL APPLIANCES.
4. CABINET SUPPLIER TO VERIFY ACTUAL DIMENSIONS AND REQUIRED CLEARANCES FOR ALL SCHEDULED APPLIANCES. VERIFY FINAL APPLIANCE SELECTIONS WITH GENERAL CONTRACTOR.
5. 30" OR 36" UPPER CABINETS SHALL HAVE TWO ADJUSTABLE SHELVES. 18" AND 24" UPPERCABINETS SHALL HAVE ONE ADJUSTABLE SHELF.
6. INSTALL BASE TRIM AT WALL BEHIND AND ADJACENT TO ALL REFRIGERATORS AND RANGES.
7. VERIFY ALL ISLAND AND PENINSULA ELECTRICAL OUTLET LOCATIONS WITH ELECTRICIAN AND PROVIDE ANY NECESSARY CABINET MODIFICATIONS FOR THESE OUTLETS.
8. PROVIDE FINISHED END AND BACK PANELS AT ALL EXPOSED CABINET ENDS AND BACKS.
9. INSTALL WALL BASE AT BACK AND ENDS OF ALL ISLAND AND PENINSULA CABINETS. MITER OUTSIDE CORNERS.
10. PROVIDE MANUFACTURER'S CABINET FINISH TOE KICK SURFACE; TRIM TOE KICK BACK AT EXPOSED CABINET ENDS TO MAKE FLUSH CORNER WITH WALL BASE.
11. PROVIDE END SPLASH AT COUNTERTOP AT ALL SIDEWALLS.
12. INSTALL SEALANT AT THESE LOCATIONS:
    a. BACKSPLASH AND END SPLASH TO COUNTERTOP (UNLESS INTEGRAL);
    b. TOP AND EDGES OF BACKSPLASH AND ENDSPLASH AT DRYWALL;
    c. ALL HOLES AND PENETRATIONS OF WALL, FLOOR OR CEILING SURFACE AT PIPES, WIRES, CONDUITS, VENTS OR DUCTS. USE FIRE CAULK IF WALL IS FIRE RATED.
13. INSTALL FINISHING FLANGE (ESCUTCHEON) AT WALL AT ANY PIPE PENETRATIONS EXPOSED IN ROOM OR INSIDE CABINETS.
14. INSTALL HEAT SHIELD (GREASE SHIELD) BEHIND EVERY RANGE AND ON SIDEWALL IF RANGE IS WITHIN 6" OF SIDEWALL.
15. ALL CABINET IDENTIFIER REFERENCES MATCH THE SMART CABINET PRODUCT LINE - BASIS OF DESIGN

GENERAL BATHROOM NOTES:

(THESE APPLY TO ALL BATHROOMS)

1. BLOCKING MUST BE INSTALLED IN ALL BATHROOMS FOR GRAB BARS, TOWEL BARS, DISPENSERS, HOOKS AND RODS. ALL TUBS AND SHOWERS MUST HAVE BUILT-IN BLOCKING FOR GRAB BARS. BLOCKING MUST WITHSTAND 250-POUND PULL.
2. USE "M-R" (MOLD-RESISTANT) GYPSUM BOARD AT ALL PLUMBING WALLS AND WALLS ADJACENT TO FIXTURES. THICKNESS, FIRE-RATING AND WALL CONSTRUCTION ARE TO BE AS SHOWN ON WALL TYPES (SHEET A5.00).
3. DRYWALL FINISHES, INCLUDING CEILING, SHALL BE SMOOTH.
4. AT ALL PENETRATIONS OF EXTERIOR OR PARTY WALLS REFER TO SPECIAL DETAILS IN DRAWINGS.
5. PROVIDE END SPLASH AT ALL SIDEWALLS FOR ALL VANITY TOPS.
6. INSTALL SEALANT AT THESE LOCATIONS:
   a. BASE OF TOILET;
   b. TUB OR SHOWER AT JOINT WITH FLOORING;
   c. TUB OR SHOWER FULL PERIMETER AT DRYWALL;
   d. VANITY SPLASH OR END SPLASH TO COUNTERTOP (UNLESS INTEGRAL);
   e. TOP AND EDGES OF VANITY SPLASH AT DRYWALL;
   f. ALL HOLES AND PENETRATIONS OF WALL, FLOOR OR CEILING SURFACE AT PIPES, WIRES, CONDUITS, VENTS OR DUCTS. USE FIRE CAULK IF WALL IS FIRE RATED.
7. INSTALL FINISHING FLANGE (ESCUTCHEON) AT WALL AT ANY PIPE PENETRATIONS EXPOSED IN ROOM OR INSIDE CABINETS.
8. INSTALL WALL BASE AT TOE KICK AND EXPOSED ENDS OF VANITY; MITER AT OUTSIDE CORNERS.

GENERAL ELEVATOR NOTES:

1. Existing elevator is to be removed from the existing shaft
2. Elevator shall be a custom designed elevator to fit the dimensions of the existing steel plate walls of the elevator shaft. All requisite equipment for the elevator is to be housed above the elevator shaft
3. The elevator is to be a front/rear elevator with 4 front stops and 2 rear stops
4. See Mechanical for drains and sumps in elevator pit, hoistway venting, and HVAC requirements for equipment room.
5. See Electrical for required devices, wiring and lights in elevator pit, hoistway, and equipment room.
6. See Structural for hoisting beam and additional hoistway structural information.
7. Provide rail supports at each floor, in overhead, and intermediate levels as required by the elevator manufacturer. Coordinate requirements for rail mounting with the elevator manufacturer/supplier. Install manufacturer approved support, at each floor, in overhead, and intermediate levels as required.
8. Provide blockouts/cutouts required for hall button boxes, signal fixtures, and hatch duct. Coordinate sizes and locations of the blockouts/cutouts with the elevator manufacturer/supplier.
9. Provide Class "ABC" fire extinguisher in equipment area, or as required by local codes, if different.
10. See Specification Section 14 20 10 for additional elevator specifications, requirements and finishes.

HISTORIC APPROVAL:

The St. Louis County Jail is on the MN State and National Historic Register. This project received approval for historic tax credits by the US Department of the interior - National Park Service and the MN State Historic Preservation Office based on the report that was compiled by the historic consultant, PVN. The report is included as part of the project and included in the specifications. Several preservation briefs are referenced throughout the report and are included in the specifications as reference material. **It is imperative that the scope of work described in the report be carried out in order to maintain these approvals through the construction process.**

BELOW IS A LIST OF THE NUMBERS AND ASSOCIATED FEATURES THAT ARE IN THE HISTORIC REPORT, THESE REFERENCES WILL BE NOTED THROUGHOUT THE DOCUMENTS TO PROMPT REVIEW OF THE REPORT

1. SITE
2. EXTERIOR WALLS - MASONRY
3. WINDOWS
4. PRIMARY ENTRANCES - SOUTH AND SOUTHEAST FACADES
5. SECONDARY ENTRANCES - NORTH, WEST AND SOUTHEAST FACADES
6. LOADING ENTRANCE - GARAGE DOOR AT EAST FACADE
7. SIGNAGE
8. FIRE ESCAPE
9. ROOF - ROOFING, PARAPET DRAINAGE
10. ROOF - PENTHOUSE, ACCESS
11. ROOF - MECHANICAL EQUIPMENT
12. STRUCTURE
13. STRUCTURE - CELL FRAMING
14. LOWER LEVEL
15. FIRST LEVEL
16. SECOND THROUGH FOURTH LEVEL
17. FIFTH LEVEL
18. ADDITION
19. CIRCULATION - LOBBY AND VESTIBULE
20. CIRCULATION - CORRIDORS
21. CIRCULATION - TUNNEL
22. CIRCULATION - STAIRS
23. CIRCULATION - ELEVATOR
24. CIRCULATION - RAMPS
25. INTERIOR FINISHES - EXTERIOR AND PARTITION WALLS
26. INTERIOR FINISHES - CEILINGS
27. INTERIOR FINISHES - FLOORS
28. INTERIOR FINISHES - DOORS
29. MECHANICAL - HVAC SYSTEM
30. ELECTRICAL - POWER AND LIGHTING
31. PLUMBING - PIPING LAYOUTS AND FIXTURES
32. FIRE PROTECTION

GENERAL BUILDING PLAN NOTES:

1. Coordinate this Architectural plan with plans by all other disciplines in the documents, such as Civil; Structural, Mechanical; Plumbing, Electrical, Fire Protection Plans, and others as necessary. **Note:** Symbols used in plans by other disciplines may differ from Architectural Symbols.
2. Refer to the Code Analysis on Sheet G0.01, G0.02, G0.03 for required fire ratings, types and locations of rated assemblies. **Note:** Fire ratings noted on the Wall Types on Sheet A5.00 (and A5.01…if applicable) are maximum ratings for that wall type and may exceed the actual required ratings for this project. If ratings noted are different, the fire ratings noted in the Code Analysis shall supercede the ones on the Wall Types. Contact the architect immediately if further clarification is needed about required fire ratings.
3. Coordinate all shop drawing submittals, including the product and equipment sizes, specifications and manufacturers installation instructions, with the plans in the documents. Notify the architect immediately if there are any discrepencies, conflicts, or additional requirements that need clarification and/or further direction.
4. Each Trade/Discipline shall work cooperatively with all other Trades/Disciplines to coordinate and complete the Work described within the Project's Schedule and Budget.
5. It is the responsibility of each Trade and/or Installer to review and verify that all dimensions, sizes, locations, and requirements shown on these plans are acceptable for installation and proper use of their respective systems, materials and equipment. Each Trade and/or Installer shall field verify dimensions related to the installation of their work to ensure that what is shown on the plans is coordinated with the existing field conditions and the work of other trades. This shall include requirements for shafts, soffits, penetrations, or enclosures. Trades and/or Installers, shall notify the General Contractor immediatley if changes are required, or if there are any discrepencies, conflicts, or additional requirements that need clarification and/or further direction, prior to starting work. The General Contractor shall review and notify the Architect immediately to request clarification and further direction on how to proceed.
6. Where access panels are required for equipment, utilities, or devices, those panels shall be installed whether or not they are specifically shown on the drawings. When installed in a fire rated assembly, the access panel must be fire rated to match the rating of that assembly. Verify all panel locations with architect and owner before installing.
7. Refer to Wall Types on Sheet A5.00 (and A5.01…if applicable) for details and descriptions of wall type assemblies. Wall Types are identified in the documents inside the following diamond symbol ◊.
8. All openings cut, penetrations made, or equipment installed in fire rated assemblies such as walls, partions, floors, ceilings, etc. shall be restored, sealed, firestopped, or otherwise constructed to maintain the integrity and fire rating of the assembly to the full satisfaction of the architect, engineer, building official and owner. The general contractor shall coordiante and be responsible for this work.
9. Refer to Room Finish Schedule on Sheet A7.00 for interior finish materials and types.
10. Refer to Door & Frame Schedule on Sheet A5.20 for information on doors, frames and openings. All doors are numbered and are listed by that number in the Schedule. Notify the architect immediately if there are any discrepencies, conflicts, or additional requirements that need clarification and/or further direction.
11. Refer to Enlarged Plans identified on the Building Plans, when provided, for additional information to supplement the Building Plans.
12. Exterior walls, and party walls between dwelling units, shall be insulated, and air and sound sealed as indicated in the documents. Refer to the detail sheets and project manual for more information on types and installation procedures for insulation, weather resistant membranes, air sealing and vapor retarders, device boxes and penetrations, and sealants, etc.
13. Install acoustic batt insulation in all bathroom walls and walls containing plumbing pipes and as shown/noted on wall types on Sheet A5.00 (and A5.01…if applicable).
14. Ceiling heights shall be as noted on the Reflected Ceiling Plans (RCPs) and in the Room Finish Schedule. Minimum ceiling height throughout is 7'-6" AFF, including at soffits, unless specifically noted otherwise. All sprinkler heads below 7'-6" AFF shall be recessed type. Notify the architect immediately if there are any discrepencies, conflicts, or additional requirements that need clarification and/or further direction.
15. Refer to Interior Details on A6 Series sheets for details and information on shelves, soffits, access panels, wall caps, attic hatch (when applicable), floor transitions, standard and accessible mounting heights, and other interior conditions.
16. Provide blocking in walls for mounting equipment, rails, stops, and all other specialties and accessories. Refer to Standard Mounting Heights on Sheet A6.03 unless noted otherwise.
17. All exposed pipes, vents, and conduit penetrating walls, floors, or ceilings shall have finished trim rings (escutcheons).
18. Exterior landings, stoops, and porches shall be level across doorways and shall slope away from the building at 1/4" per foot.
19. Dimensions:

    EXTERIOR WALLS: To exterior face of sheathing, or exterior face of CMU or cast-in-place concrete.

    COLUMNS: To centerline of columns.

    UNIT SEPARATION WALLS (PARTY WALLS):
    - SINGLE STUD OR STAGGERED STUD WALLS: To centerline of framing (i.e. center of top or bottom plates).
    - DOUBLE STUD WALLS: To centerline of the air space between the walls.

    CORRIDOR WALLS: To face of studs.

    INTERIOR UNIT WALLS: To face of studs.

    WINDOWS, DOORS, EQUIPMENT AND FEATURES: To centerlines in framed walls, or to face of rough-openings in CMU, masonry, or cast-in-place concrete walls, unless noted otherwise.

A. ALL NEW HYDRONIC PIPING FOR THE BASEBOARD HEAT THROUGHOUT THE BUILDING SHALL BE RUN VERTICALLY THROUGH THE EXISTING CHASES IN THE EXTERIOR WALLS. ALL CHASES ARE TO BE FIRE BLOCKED WITH MATERIAL SPECIFIED IN MECHANICAL DRAWINGS AT EACH FLOOR LEVEL.
B. ALL EXISTING STEEL PLATE WALLS THAT ARE TO REMAIN AND BE EXPOSED TO THE ROOM/CORRIDOR SHALL BE SCRAPED, SANDED AND PAINTED.
C. WELD STEEL PLATES TO EXISTING STEEL PLATE WALLS AT ALL EXISTING HOLES FROM PLUMBING, VENTILATION AND OTHER PENETRATIONS - SEE DETAIL 10/A6.01

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Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

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NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
PROJECT NOTES

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **G0.10**

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:48:27 PM

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	JW	2	Juniperus scopulorum `Wichita Blue` / Wichita Blue Juniper	#5 CONT
	PD	1	Picea glauca `Densata` / Black Hills Spruce	#10 CONT
	PM	2	Prunus maackii / Amur Chokecherry	2" B&B
	UD	3	Ulmus davidiana japonica `Discovery` / Discovery Elm	2-1/2" B&B

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
	BC	58	Buxus x `Chicagoland Green` TM / Glencoe Boxwood	Existing	36" o.c.
	HL2	2	Hydrangea paniculata `Limelight` TM / Limelight Hydrangea	#3 CONT.	72" o.c.
	HL	4	Hydrangea paniculata `Little Lime` / Little Lime Hydrangea	#3 CONT.	60" o.c.
	RA	14	Ribes alpinum / Alpine Currant	#2 CONT.	60" o.c.
	TT	38	Taxus x media `Tauntonii` / Tauton Yew	#2 CONT.	36" o.c.
	VM	6	Viburnum dentatum `Blue Muffin` / Southern Arrowwood	#2 CONT.	72" o.c.

GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	MS	1,971 sf	Mulch xx Shredded Hardwood / Mulch - Shredded Hardwood	None
	TS	978 sf	Turf Seed	None
	TC	1,123 sf	Turf Sod 80% Kentucky, 20% Rye	None
		225 lf	Steel Edging	

GENERAL LANDSCAPE NOTES

1. THIS DRAWING DOES NOT CONSTITUTE AN OFFICIAL SURVEY OF THE SITE. CONFIRM ALL LOCATIONS OF SURFACE AND SUB-SURFACE FEATURES BEFORE BEGINNING INSTALLATION. ADVISE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
2. CONFIRM ALL QUANTITIES, SHAPES AND LOCATIONS OF BEDS, AND ADJUST AS REQUIRED TO CONFORM TO THE SITE CONDITIONS. CONFIRM ANY ADJUSTMENTS WITH THE LANDSCAPE ARCHITECT.
3. LOCATE ALL UTILITIES. NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS WITH PLANT INSTALLATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MULCHES AND PLANTING SOIL QUANTITIES TO COMPLETE THE WORK SHOWN ON THE PLAN. VERIFY ALL QUANTITIES SHOWN ON THE PLANT SCHEDULE.
5. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL SOD/TURF WHICH HAS BEEN REMOVED FOR NEW PLANT BEDS. LONG-TERM STORAGE OF MATERIALS OR SUPPLIES ON-SITE WILL NOT BE ALLOWED. ANY PLANT STOCK NOT PLANTED ON DAY OF DELIVERY SHALL BE HEELED IN AND WATERED UNTIL INSTALLATION. PLANTS NOT MAINTAINED IN THIS MANNER WILL BE REJECTED.
6. THE PLAN TAKES PRECEDENCE OVER THE PLANT SCHEDULE IF DISCREPANCIES EXIST. ADVISE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.

PROTECTIONS

7. THE CONTRACTOR SHALL KEEP PAVEMENTS, FIXTURES AND BUILDINGS CLEAN AND UNSTAINED. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PROJECT SITE SHALL BE KEPT CLEAR OF CONSTRUCTION WASTES AND DEBRIS.
8. PROVIDE SILT FENCE IF NECESSARY TO PROTECT STREET FROM EROSION.
9. SOD OR SEED ALL AREAS DISTURBED BY CONSTRUCTION.

PLANT MATERIAL

10. NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE ACCEPTED UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS WHICH ARE DEEMED UNSATISFACTORY.
11. ALL PLANTING STOCK SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK", ANSI-Z60. LATEST EDITION, OF THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
12. ALL PLANTS SHALL BE GUARANTEED FOR TWO COMPLETE GROWING SEASONS (APRIL 1-NOVEMBER 1 OF FOLLOWING YEARS), UNLESS OTHERWISE SPECIFIED. THE GUARANTEE SHALL COVER THE FULL COST OF REPLACEMENT INCLUDING LABOR AND PLANTS.

OTHER MATERIAL

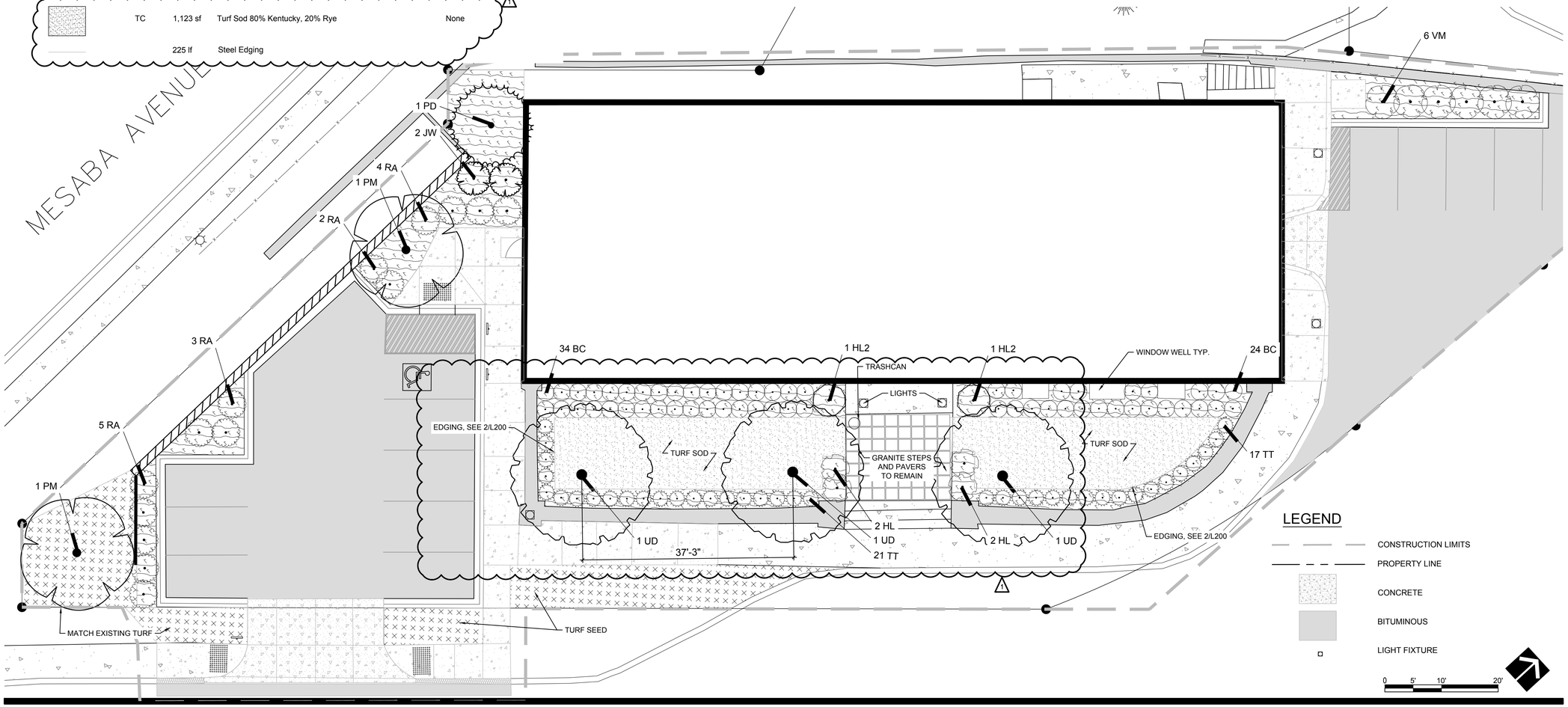
13. PROVIDE SHREDDED HARDWOOD MULCH, CLEAN AND FREE OF NOXIOUS WEEDS OR OTHER DELETERIOUS MATERIAL, DELIVER MULCH ON DAY OF INSTALLATION. USE 4" DEPTH FOR PLANTING BEDS, UNLESS OTHERWISE DIRECTED. APPLY PELLET WEED PREVENTER UNDER MULCH BEDS IN SHRUB AREAS.

SOILS AND GROUND

14. SOIL CORRECTION FOR TREES, SHRUBS AND TURF: DISC SOIL TO A FULL 6" DEPTH IN ALL AREAS TO BE PLANTED TO LOOSEN COMPACTED SOILS.
15. PLANTING SOIL SHOULD BE USED AS SPECIFIED, AND AT DEPTHS SHOWN ON THE DETAILS.

MAINTENANCE AND CARE

16. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PORTION OF THE WORK IS IN PLACE. PLANT MATERIAL SHALL BE PROTECTED AND MAINTAINED UNTIL THE INSTALLATION OF PLANTINGS IS COMPLETE, INSPECTION HAS BEEN MADE AND PLANTING IS ACCEPTED EXCLUSIVE OF THE GUARANTEE.
17. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, MULCHING, REMOVAL OF DEAD MATERIAL PRIOR TO GROWING SEASON, RE-SETTING PLANTS AND PROPER GRADE, AND KEEPING PLANTS IN A PLUMB POSITION. AFTER ACCEPTANCE, THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES. HOWEVER, THE CONTRACTOR SHALL CONTINUE TO BE RESPONSIBLE FOR KEEPING THE TREES PLUMB THROUGHOUT THE GUARANTEE PERIOD.
18. WATERING: MAINTAIN A WATERING SCHEDULE WHICH WILL THOROUGHLY WATER ALL PLANTS ONCE A WEEK. IN EXTREMELY HOT, DRY WEATHER, WATER MORE OFTEN AS REQUIRED BY INDICATIONS OF HEAT STRESS SUCH AS WILTING LEAVES. CHECK MOISTURE UNDER MULCH PRIOR TO WATERING TO DETERMINE NEED. CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR WATER.



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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE:

TYPED OR PRINTED NAME: LYDIA A. MAJOR

DATE: 01/10/2020 REG. NO.: 46911

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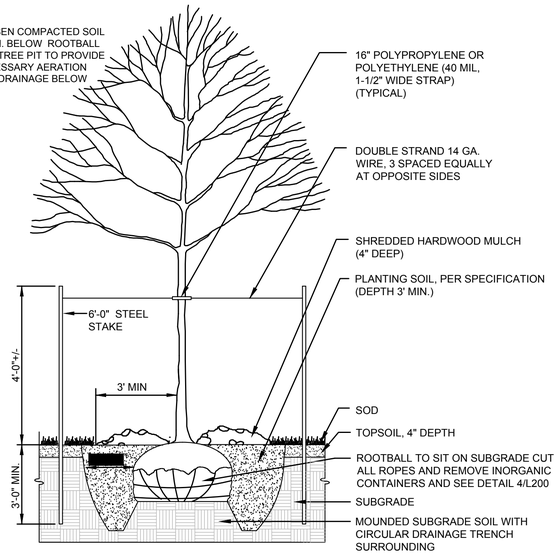
521 W. 2ND STREET
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DRAWING TITLE:
LANDSCAPE PLAN

DRAWN BY: SKW
CHECKED BY: LAM
PROJ. NO: 180039
PROJ. NO: 180039
DRAWING NO:

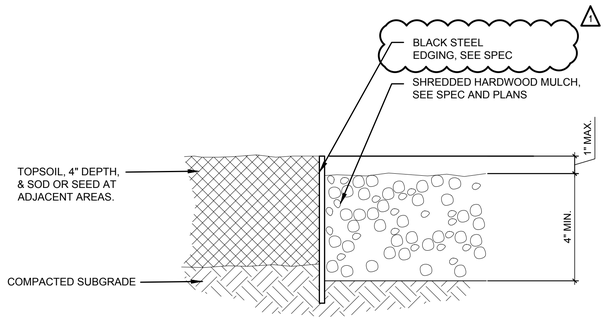
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NOTES:
1. LOOSEN COMPACTED SOIL 1' MIN. BELOW ROOTBALL AND TREE PIT TO PROVIDE NECESSARY AERATION AND DRAINAGE BELOW



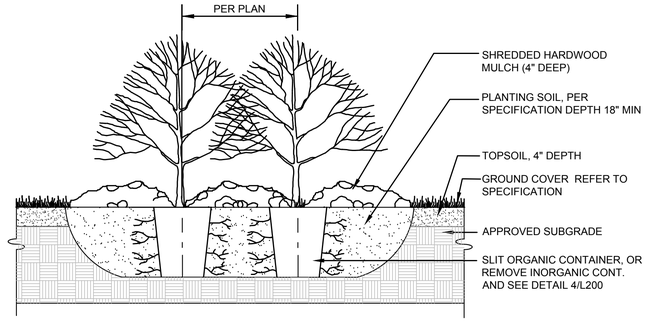
1 DECIDUOUS TREE
NOT TO SCALE

NOTES:
1. INSTALL TOPSOIL EVEN WITH TOP OF EDGING
2. SEE PLAN FOR LIMITS OF EDGING AND MULCH



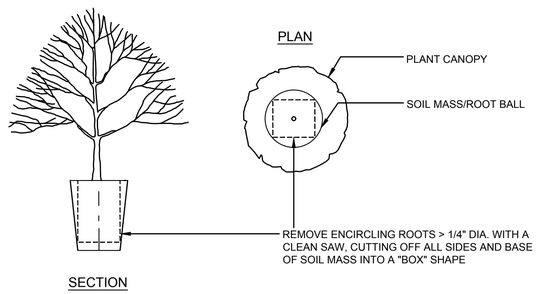
2 EDGING AND MULCH
NOT TO SCALE

NOTES:
1. HAND LOOSEN ROOTS OF CONTAINERIZED MATERIAL (TYPICAL).
2. HAND REMOVE EXCESS SOIL AT TOP OF ROOT BALL TO EXPOSE TOP OF ROOT FLARE. TYPICALLY REQUIRES THE REMOVAL OF 1-6" OF SOIL FROM CONTAINER OR B&B.
3. ENSURE THAT FIRST MAIN LATERAL ROOT IS LESS THAN 1" BELOW THE FINAL PLANTING SURFACE.
4. SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING.
5. SHRUBS TO SIT ON SUBGRADE.
6. APPLY PELLET WEED PREVENTER PRIOR TO MULCHING.



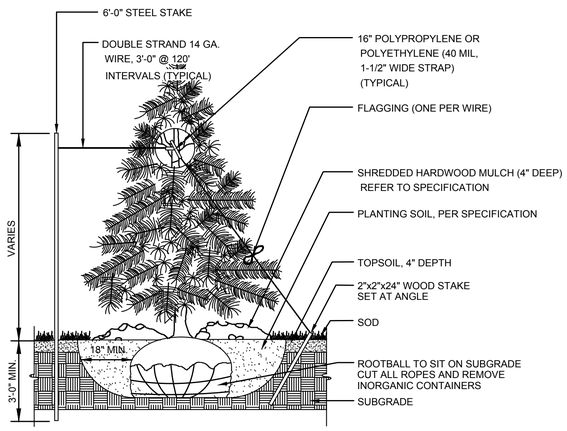
3 SHRUB PLANTING
NOT TO SCALE

NOTES:
1. FOR TREES, SHRUBS, AND PERENNIALS WITH INORGANIC CONTAINERS, FOLLOW THE "BOXING" PROCEDURE TO REMOVE ENCIRCLING ROOTS.
2. "BOXING" IS ONLY NECESSARY ON PLANTS THAT HAVE ENCIRCLING ROOTS WITH DIAMETERS GREATER THAN ¼".
3. HAND LOOSENING OF ROOTS IS STILL NECESSARY AFTER "BOXING" THE ROOT BALL (TYPICAL).

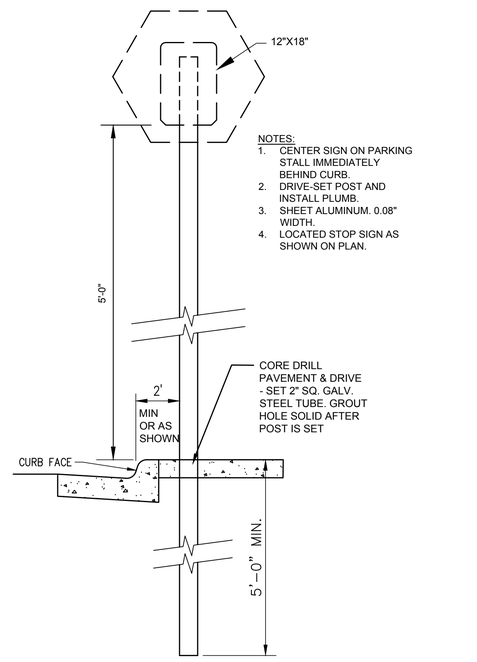


4 BOXING PROCEDURE FOR CONTAINERIZED PLANTS
NOT TO SCALE

NOTES:
1. CONIFER TO HAVE SHREDDED HARDWOOD MULCH UNLESS NOTED OTHERWISE. NO MULCH TO BE IN CONTACT WITH TRUNK.
2. SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING.
3. TWO ALTERNATE METHODS OF TREE STAKING ARE ILLUSTRATED. IT IS THE CONTRACTORS OPTION TO STAKE TREES; HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TREES IN A PLUMB POSITION THROUGHOUT THE GUARANTEE PERIOD.
4. DO NOT PLANT TOO DEEP: EXPOSE TOP OF ROOT FLARE AND PULL MULCH AWAY FROM TRUNK.



5 CONIFEROUS TREE PLANTING
NOT TO SCALE



6 SIGN POST
NOT TO SCALE

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

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SIGNATURE:

TYPED OR PRINTED NAME: LYDIA A. MAJOR

DATE: 01/10/2020 REG. NO.: 46911

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
LANDSCAPE DETAILS

DRAWN BY: SKW
CHECKED BY: LAM
PROJ. NO: 180039
PROJ. NO: 180039
DRAWING NO: **L200**

REMOVAL NOTES:

1. SAWCUT ALL CONCRETE AND BITUMINOUS PAVEMENTS AT REMOVAL LIMITS.
2. PROTECT ALL PAVEMENTS TO REMAIN FROM DAMAGE. ANY PAVEMENTS DAMAGED SHALL BE REPAIRED AT NO COST TO THE OWNER.

EROSION CONTROL NOTES:

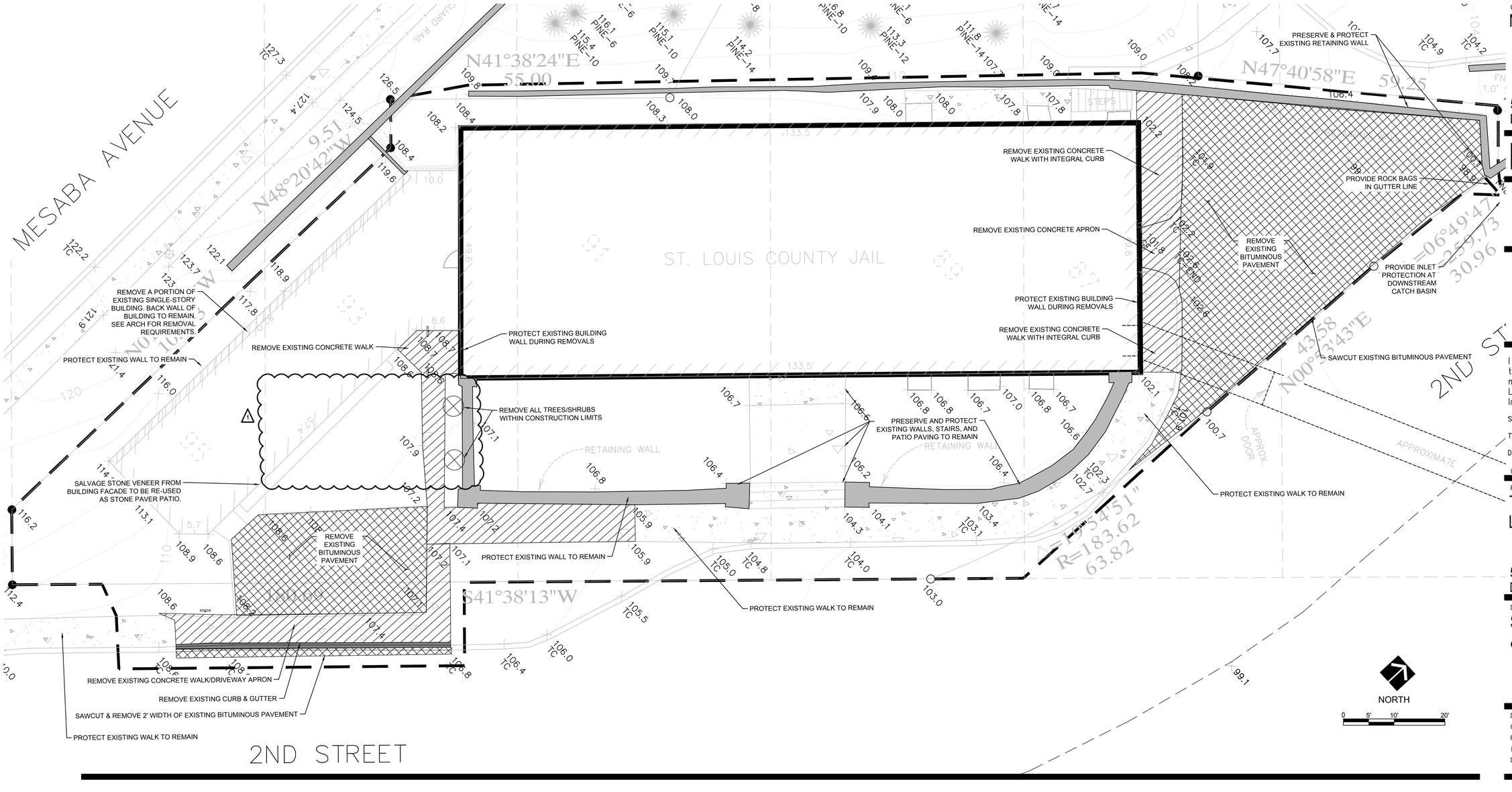
1. MNDOT (CURRENT EDITION) STND. SPEC. 1717.2. EROSION CONTROL, SHALL APPLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR EC QUALITY CONTROL ON THIS PROJECT (MNDOT 1717.2 B). CONTRACTOR SHALL PHASE/SEQUENCE THE PROJECT TO MINIMIZE EXPOSURE TO EROSION. CONTRACTOR SHALL PLACE OR OTHERWISE CONSTRUCT EROSION CONTROL AND SEDIMENT CONTAINMENT DEVICES TO MINIMIZE THE RUNOFF, TRACKING, AND SEDIMENT LOSS FROM DISTURBED AREAS OF THE PROJECT SITE.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE SITE IS DISTURBED.
4. RECEIVING WATER FOR STORM WATER FROM THE PROJECT AREA INCLUDES EXISTING PUBLIC STORM SEWER SYSTEMS AND LAKE SUPERIOR.
5. DISTURBED SLOPES NOT ACTIVELY WORKED SHALL BE PROTECTED FROM SOIL EROSION WITH TEMPORARY OR PERMANENT COVER WITHIN PERMIT REQUIREMENTS BUT IN NO CASE GREATER THAN 7 DAYS OF BEING WORKED. USE EROSION CONTROL BLANKET WITH SOIL STAPLES OR ENGINEER APPROVED EQUAL.
6. AT MINIMUM, THE FOLLOWING CONTROLS WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE:
   - EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES 1:3 OR STEEPER.
   - STORM INLETS SHALL BE PROTECTED IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
   - ROCK BAGS SHALL BE PLACED IN GUTTER LINES TO REDUCE SEDIMENT TRANSPORT.
   - STREET SWEEPING AT REGULAR INTERVALS OR AS NEEDED.
   - PERMANENT VEGETATION WILL BE ESTABLISHED RIGHT AFTER TOPSOIL IS RE-SPREAD.
   - CONTROL ALL SITE WASTE, DEBRIS, MATERIAL STORAGE AND CONCRETE WASHOUT TO PREVENT IMPACTS TO ANY DRAINAGE AND GROUND WATER.
7. IF ANY STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, SEDIMENT AND EROSION CONTROL DEVICES SHALL BE USED.
8. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE DIRECTED THROUGH EFFECTIVE FILTERING DEVICE(S).
9. THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT APPRECIABLE SOIL TRACKING ONTO ROADWAYS. SOIL, MUD, OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO PAVED SURFACES SHALL BE REMOVED PRIOR TO THE END OF EACH WORKDAY.

SHEET LEGEND

REMOVE BITUMINOUS PAVEMENT

REMOVE CONCRETE WALK

REMOVE CURB & GUTTER



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1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: Daniel G. Shaw

TYPED OR PRINTED NAME: DANIEL G. SHAW

DATE: 1/10/2020 REG. NO.: 41423

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PROJECT NAME:
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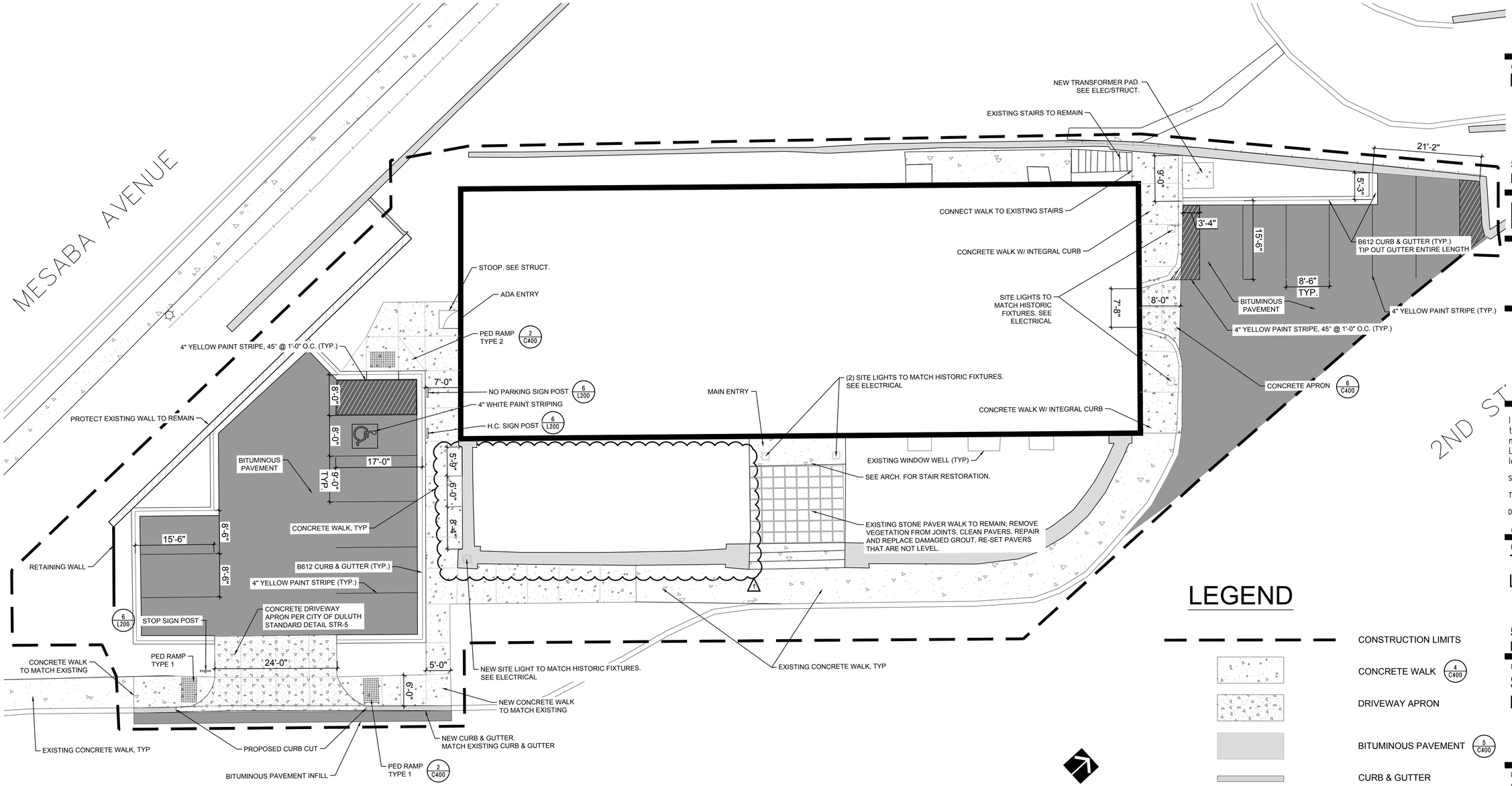
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
SITE REMOVALS & EROSION CONTROL PLAN

DRAWN BY: DRP
CHECKED BY: DGS
PROJ. NO: 180039
PROJ. NO: 180039
DRAWING NO: C100

PLAN NOTES:

1. PROVIDE EXPANSION JOINT AT ALL CONCRETE WALK/BUILDING INTERFACES.
2. REFERENCE LANDSCAPING PLANS FOR RESTORATION OF UNPAVED AREAS.



LEGEND

- CONSTRUCTION LIMITS
- CONCRETE WALK (4 C400)
- DRIVEWAY APRON
- BITUMINOUS PAVEMENT (5 C400)
- CURB & GUTTER

NORTH

0 5' 10' 20'

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SIGNATURE: Daniel G Shaw

TYPED OR PRINTED NAME: DANIEL G. SHAW

DATE: 1/10/2020 REG. NO.: 41423

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DRAWING TITLE:
SITE PLAN

DRAWN BY: DRP
CHECKED BY: DGS
PROJ. NO: 180039
PROJ. NO: 180039
DRAWING NO: **C200**

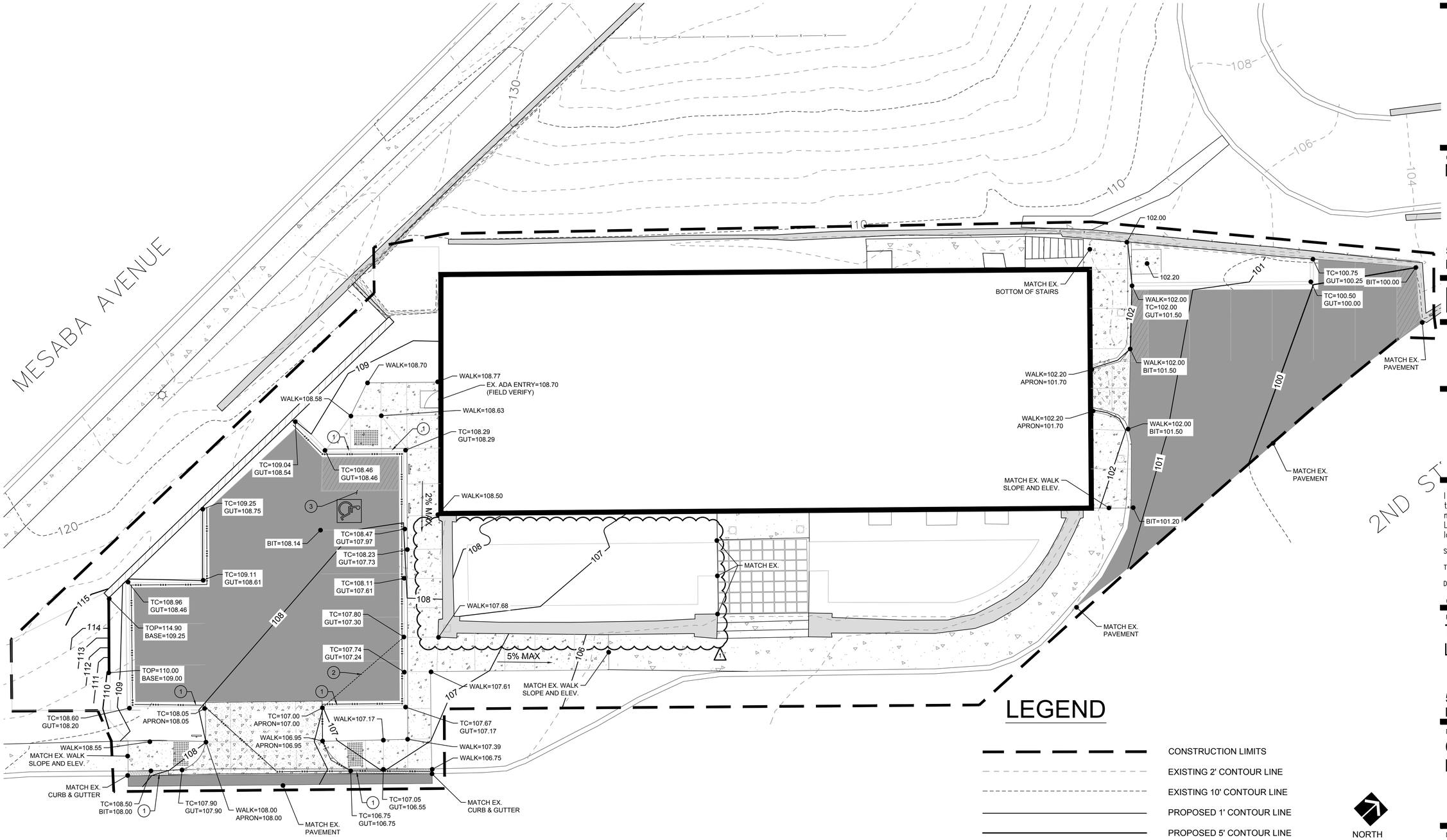
KEY NOTES:

(1) TAPER TOP OF CURB DOWN TO MATCH GUTTER FLOW LINE ELEVATION.

(2) GRADE BREAK IN BITUMINOUS PAVEMENT.

(3) 2% MAX SLOPE IN ANY DIRECTION IN ACCESSIBLE PARKING AREA.

GRADING AND SURVEY CONTROL NOTES:
1. EXISTING SITE SURVEY WAS PROVIDED BY AYRES ASSOCIATES.
2. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED/EXISTING INTERFACES AND NOTIFY ENGINEER OF ANY CONFLICTS.
3. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING SURVEY CONTROL BEFORE BEGINNING WORK.



LEGEND

- CONSTRUCTION LIMITS
- EXISTING 2' CONTOUR LINE
- EXISTING 10' CONTOUR LINE
- PROPOSED 1' CONTOUR LINE
- PROPOSED 5' CONTOUR LINE
- PROPOSED GRADE BREAK
- PROPOSED DRAINAGE PATH

NORTH

0 5' 10' 20'

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CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: Daniel G Shaw

TYPED OR PRINTED NAME: DANIEL G. SHAW

DATE: 1/10/2020 REG. NO.: 41423

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
GRADING PLAN

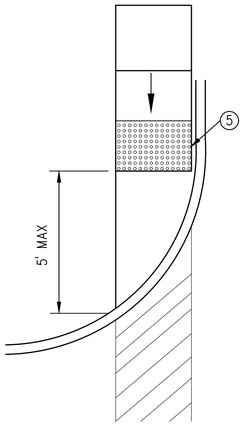
DRAWN BY: DRP
CHECKED BY: DGS
PROJ. NO: 180039
PROJ. NO: mkerbe
DRAWING NO: C300

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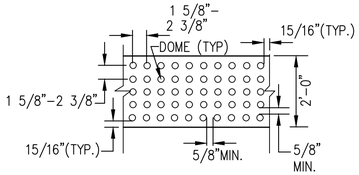
1 NOT USED

PED RAMP NOTES:

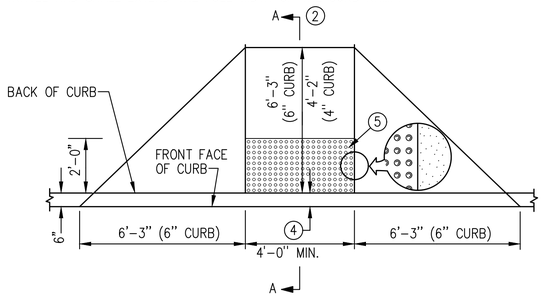
1. 1/2 INCH PREFORMED JOINT FILLER MATERIAL, AASHTO M 213.
2. PROVIDE A PATH OF TRAVEL 4'-0" WIDE BEHIND THE PEDESTRIAN RAMP. A RELATIVELY FLAT 4' X 4' LANDING WILL ALLOW WHEELCHAIRS TO NAVIGATE AROUND THE PEDESTRIAN RAMP.
3. WHEN A MEDIAN IS NOT WIDE ENOUGH FOR TWO PEDESTRIAN RAMPS AND A 48" LANDING BETWEEN THEM, THE PEDESTRIAN CROSSING SHALL BE CUT THROUGH THE MEDIAN AT STREET LEVEL.
4. 6" TO 8" IS THE REQUIRED OFFSET OF THE DETECTABLE WARNINGS/ TRUNCATED DOME AREA FROM THE FRONT FACE OF CURB, OR PLACE THE DETECTABLE WARNINGS AT THE BACK OF CURB.
5. DETECTABLE WARNING ADA REQUIRED TRUNCATED DOME AREA SHALL BE 2'-0" MIN. IN DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP.



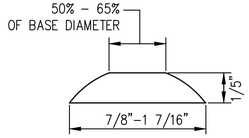
PEDESTRIAN RAMP TYPE 1



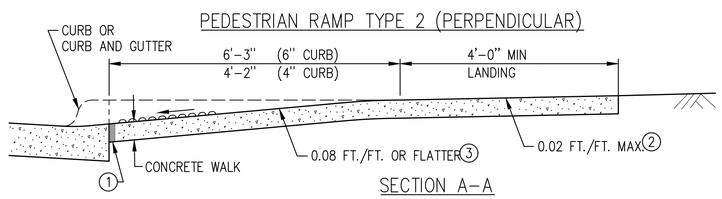
DOME SPACING



PEDESTRIAN RAMP TYPE 2 (PERPENDICULAR)



DOME SECTION

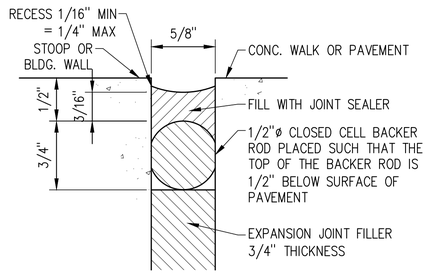


SECTION A–A

2 PED RAMP DETAILS
NOT TO SCALE

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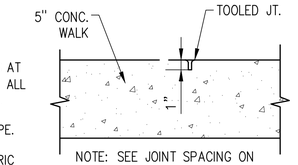
3 NOT USED



7 EXPANSION JOINT DETAIL
NOT TO SCALE

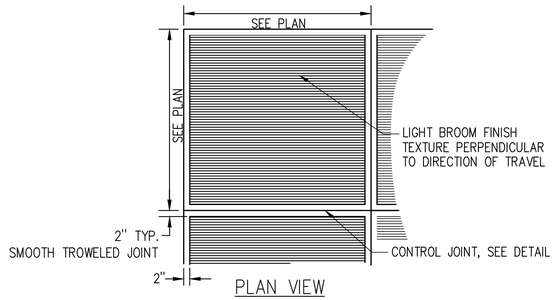
NOTES:

1. PROVIDE EXPANSION JOINTS AT 60' MAX. SPACING, AND AT ALL STOOP OR BUILDING WALLS.
2. 5% MAX LONGITUDINAL SLOPE.
3. PROVIDE WELDED WIRE FABRIC REINFORCEMENT IN ALL WALKS.

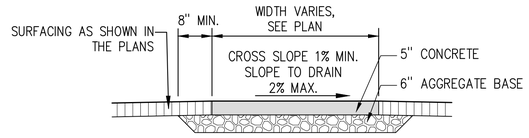


NOTE: SEE JOINT SPACING ON PLANS.

CONTROL JOINT

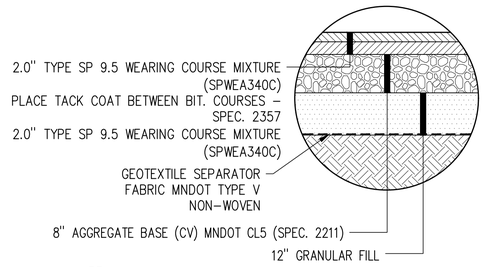


PLAN VIEW

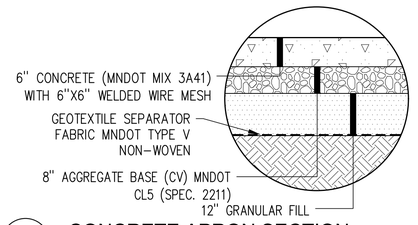


SECTION

4 5" CONCRETE WALK
NOT TO SCALE



5 BITUMINOUS PAVEMENT SECTION
NOT TO SCALE



6 CONCRETE APRON SECTION
NOT TO SCALE

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: Daniel G Shaw

TYPED OR PRINTED NAME: DANIEL G. SHAW

DATE: 1/10/2020 REG. NO.: 41423

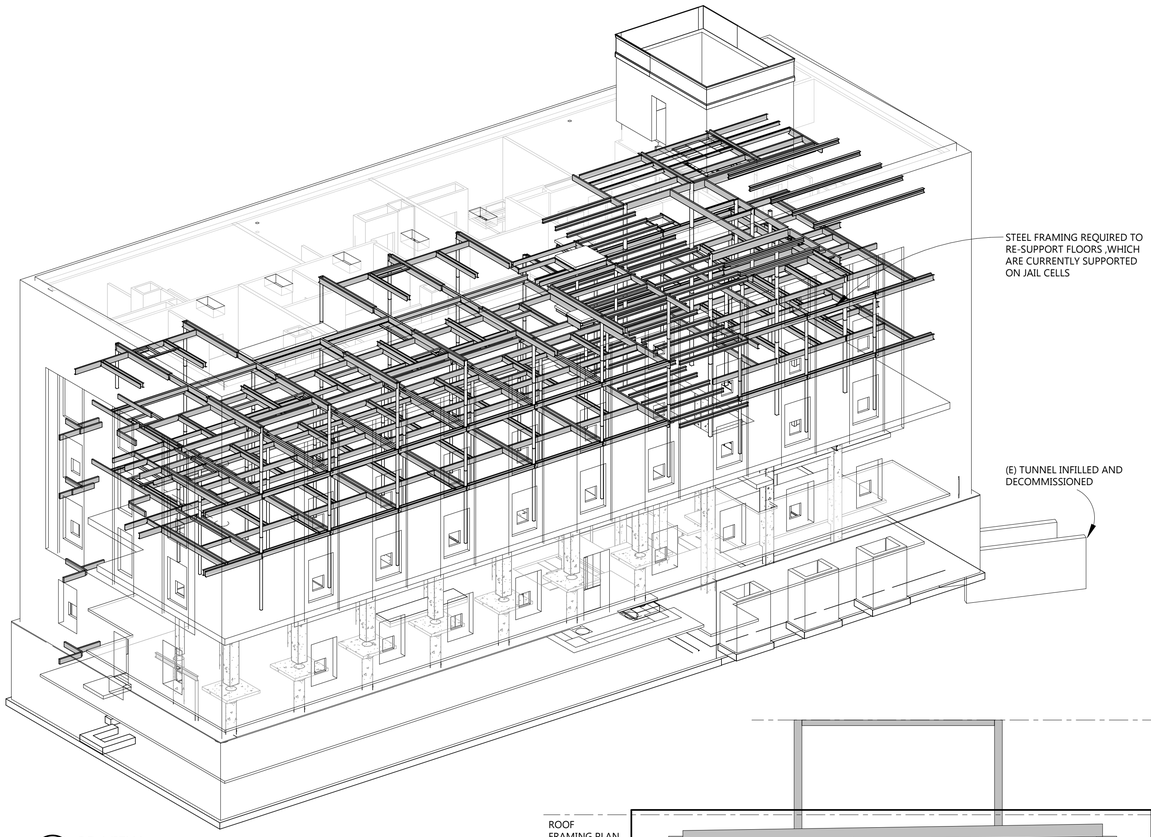
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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

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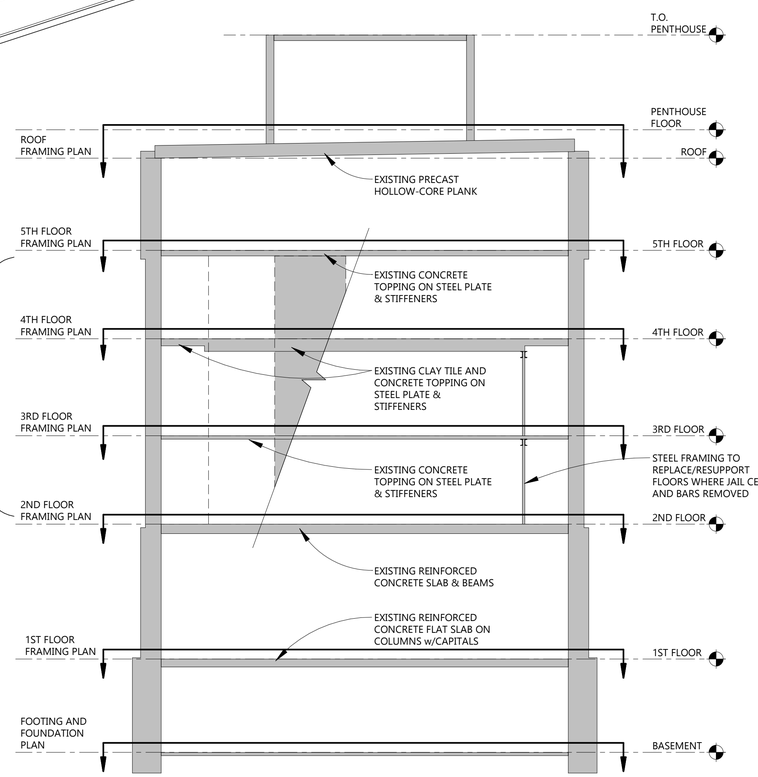
DRAWING TITLE:
CONSTRUCTION DETAILS

DRAWN BY: DRP
CHECKED BY: DGS
PROJ. NO: 180039
PROJ. NO: mkerbe
DRAWING NO: **C400**



1 S0.00 3D VIEW

NOTE:
EXISTING LOAD-BEARING STEEL BARS AND JAIL CELLS THESE THREE LEVELS. STEEL PLATES TO BE TESTED FOR WELDABILITY. ALSO NOTE THAT HISTORIC DOCUMENTATION OF JAIL CELL SYSTEM SUGGESTS EXISTING STEEL IS RESISTANT TO CUTTING WITH METAL SAW BLADES. FIELD TEST TO VERIFY FEASIBILITY OF CUTTING FOR THE PROJECT.



STRUCTURAL PLAN VIEW DIAGRAM - NOT TO SCALE

STRUCTURAL ABBREVIATIONS

A	
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD	ADDENDUM
ADDN'L	ADDITIONAL
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
AMT	AMOUNT
ANCH	ANCHOR, ANCHORAGE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT(URAL)
ASCI	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASD	ALLOWABLE STRESS DESIGN
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPB	AMERICAN WOOD PRESERVATIVE BUREAU
AWS	AMERICAN WELDING SOCIETY
B	
BD	BOARD
BDE	BOTTOM OF DECK ELEVATION
BFE	BOTTOM OF FOOTING ELEVATION
BGBE	BOTTOM OF GRADE BEAM ELEVATION
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT OR BTM	BOTTOM
BP	BASE PLATE
BPCE	BOTTOM OF PILE CAP ELEVATION
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
C	
C	CHANNEL
CANT	CANTILEVER(ED)
CFS	COLD-FORMED STEEL
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CNTR	CENTER
CNTR'D	CENTERED
COL	COLUMN
COMP	COMPOSITE
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
D	
DBA	DEFORMED BAR ANCHOR
DBE	DECK BEARING ELEVATION
DBL	DOUBLE
DEFL	DEFLECTION
DEMO	DEMOLITION
DET OR DTL	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DL	DEAD LOAD
DN	DOWN
DWG(S)	DRAWING(S)
DWL(S)	DOWEL
E	
(E) or EXIST	EXISTING
E	EAST
EA	EACH
EDBE	EXISTING DECK BEARING ELEVATION
EF	EACH FACE
EL OR ELEV	ELEVATION
ELEC	ELECTRICAL
ENCL	ENCLOSURE
ENG	ENGINEER
ES	EACH SIDE
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
F	
FAB	FABRICATE OR FABRICATOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FFE	FINISH FLOOR ELEVATION
FLR	FLOOR
FRT	FIRE RETARDANT TREATED
FS	FAR SIDE
FT	FEET OR FOOT
FTG	FOOTING
FV	FIELD VERIFY
G	
GA	GAGE, GUAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLULAM	GLUED LAMINATED WOOD
GYP	GYPSUM
H	
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HS	HEADED STUD(S)
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
I	
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INFO	INFORMATION
INT	INTERIOR
J	
JBE	JOIST BEARING ELEVATION
JST(S)	JOIST(S)
JT	JOINT
K	
K	KIP(S)
KLF	KIPS PER LINEAL FOOT
KSI	KIPS PER SQUARE INCH
L	
L	ANGLE
LL	LIVE LOAD
LLBB	LONG LEG BACK-TO-BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LRFD	LOAD RESISTANCE FACTOR DESIGN
LSL	LAMINATED STRAND LUMBER OR LONG-SLOTTED
LT	LIGHT
LT WT	LIGHT WEIGHT
LVL	LAMINATED VENEER LUMBER
LWC	LIGHT WEIGHT CONCRETE
M	
M	MOMENT
MAS	MASONRY
MATR'L	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
N	
N	NORTH
NDS	NATIONAL DESIGN SPECIFICATION
NIC	NOT IN CONTRACT
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OVS	OVERSIZED
P	
PAF	POW(D)ER-ACTUATED FASTENER
PC	PRECAST
PE	PROFESSIONAL ENGINEER
PERIM	PERIMETER
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PLK	PLANK
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POST TENSION
Q	
QTY	QUANTITY
R	
RAD	RADIUS
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REINF	REINFORCE(D), (ING)
REQ'D	REQUIRED
REV	REVERSE(D) OR REVISE(D), REVISION
RO	ROUGH OPENING
S	
S	SOUTH OR STEP
SCHED	SCHEDULE
SEC	SECTION
SER	STRUCTURAL ENGINEER OF RECORD
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SL	SNOW LOAD
SLBB	SHORT LEG BACK-TO-BACK
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSL	SHORT-SLOTTED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURE OR STRUCTURAL
SUPP	SUPPORT
SWS	STRUCTURAL WOOD SCREWS
T	
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TBE	TOP OF BEAM ELEVATION
TDE	TOP OF DECK ELEVATION
TEBE	TOP OF EXISTING BEAM ELEVATION
TEDE	TOP OF EXISTING DECK ELEVATION
TEFE	TOP OF EXISTING FOOTING ELEVATION
TEMP	TEMPORARY
TESE	TOP OF EXISTING SLAB ELEVATION
TEWE	TOP OF EXISTING WALL ELEVATION
TFE	TOP OF FOOTING ELEVATION
TGBE	TOP OF GRADE BEAM ELEVATION
THRU	THROUGH
TLE	TOP OF LEDGE ELEVATION
TPCE	TOP OF PILE CAP ELEVATION
TPE	TOP OF PIER ELEVATION
TPI	TOP OF PLANK ELEVATION TRUSS PLATE INSTITUTE
TRANS	TRANSVERSAL
TRTD	TREATED
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL
U	
UNEXC	UNEXCAVATED
UNO	UNLESS NOTED OTHERWISE
V	
VER	VERIFY
VIF	VERIFY IN FIELD
VERT(S)	VERTICAL(S)
W	
W	WEST OR WIDE FLANGE
w/	WITH
WD	WOOD
WP	WORK POINT
WWF	WELDED WIRE FABRIC

STRUCTURAL SHEET INDEX

S0.00	STRUCTURAL TITLE SHEET
S0.01	STRUCTURAL NOTES
S0.02	SPECIAL INSPECTIONS & STRUCTURAL SITE PLAN
S0.03	SCHEDULES
S1.00	FOOTING AND FOUNDATION PLAN
S1.10	FIRST FLOOR FRAMING PLAN
S1.20	SECOND FLOOR FRAMING PLAN
S1.30	THIRD FLOOR FRAMING PLAN
S1.40	FOURTH FLOOR FRAMING PLAN
S1.50	FIFTH FLOOR FRAMING PLAN
S1.60	ROOF FRAMING PLAN
S2.00	FOUNDATION SECTIONS AND DETAILS
S3.00	FIRST AND SECOND FLOOR FRAMING SECTIONS AND DETAILS
S3.10	THIRD FLOOR FRAMING SECTIONS AND DETAILS
S3.11	THIRD FLOOR FRAMING SECTIONS AND DETAILS

STRUCTURAL SHEET INDEX

S3.12	THIRD FLOOR FRAMING SECTIONS AND DETAILS
S3.20	FOURTH FLOOR FRAMING SECTIONS AND DETAILS
S3.21	FOURTH FLOOR FRAMING SECTIONS AND DETAILS
S3.22	FOURTH FLOOR FRAMING SECTIONS AND DETAILS
S3.23	FOURTH FLOOR FRAMING SECTIONS AND DETAILS
S3.30	FIFTH FLOOR FRAMING SECTIONS AND DETAILS
S3.31	FIFTH FLOOR FRAMING SECTIONS AND DETAILS
S3.32	FIFTH FLOOR FRAMING SECTIONS AND DETAILS
S3.33	FIFTH FLOOR FRAMING SECTIONS AND DETAILS
S4.00	ROOF FRAMING SECTIONS AND DETAILS
S5.00	STAIR A FRAMING PLANS AND SECTION
S5.01	STAIR A FRAMING SECTIONS AND DETAILS
S5.02	STAIR FRAMING SECTIONS AND DETAILS
S6.00	STRUCTURAL VISUALS

LHB
PERFORMANCE DRIVEN DESIGN.
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701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

Mattson Macdonald Young structural engineers
Bassett Creek Business Center
901 North 3rd Street, Suite 100
Minneapolis, MN 55401
612-827-7825 voice
612-827-0805 fax

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
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NO	DATE	ISSUED FOR
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NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature:

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
STRUCTURAL TITLE SHEET

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S0.00**

C:\MMY Revit Projects\21176_StLouis County Jail_Struct_2020_Central_MelissaB9.rvt
7/1/2021 3:17:45 PM

STRUCTURAL NOTES

Unless noted otherwise on the plans and/or in the details, these notes shall apply. If there are discrepancies between the plans/details and these notes, the contractor must conform to the more stringent requirements, unless clarified with the Structural Engineer of Record (SER) prior to work.

MATERIAL STRENGTHS

Structural Steel
- HSS Rectangular and Square – ASTM A500 Gr. B, Fy = 46 ksi
- HSS Round – ASTM A500 Gr. B, Fy = 42 ksi
- W and WT shapes – ASTM A992, Fy = 50 ksi
- Channels – ASTM A36, Fy = 36 ksi
- Misc. structural steel – ASTM A36, Fy = 36 ksi

Structural Steel Fasteners
- Connection bolts – ASTM F3125 , Fu = 120 ksi, Type 1
- Anchor rods – ASTM F1554, Gr. 36, Fy = 36 ksi
- Threaded rods – ASTM A36, Fy = 36 ksi

Cold Formed Steel
- Fy = 33 ksi (43 mil and thinner) – ASTM A1003 Grade 33 Type H
- Fy = 50 ksi (54 mil and thicker) – ASTM A1003 Grade 50 Type H

Reinforcing Steel
- Deformed Bars – ASTM A615, Gr. 60, Fy = 60 ksi
- Weldable Bars – ASTM A706, Gr. 60, Fy = 60 ksi
- Fabric – ASTM A185, Fy = 70 ksi
- Masonry Joint Reinforcing – ASTM A951, Fy = 70 ksi
- Epoxy Coating for Reinforcing Steel – ASTM A775

Concrete
- f 'c = compressive strength in 28 days
  - 4,000 psi unless noted otherwise
  - 4,500psi for exterior slabs and other elements exposed to freeze/thaw
  - 3,000 psi for footings
  - 3,000 psi for masonry corefill & concrete on metal deck
  - 3,500 psi for lightweight concrete on metal deck

Masonry
- Concrete Masonry Units – ASTM C90
- f 'm = net area compressive strength of masonry based on IBC table 2105.2.1.2
  - 2,000 psi

Structural Lumber
- 2x4 and 2x6 lumber - #2 Spruce Pine Fir (SPF) or equal
- 2x8, 2x10 and 2x12 lumber - #2 Hem Fir or equal
- Treated lumber - #2 Southern Pine or equal
- Laminated Veneer Lumber (LVL)
  - E = 2,000,000 psi minimum
  - Fb = 2,850 psi minimum
- Laminated Strand Lumber (LSL) studs, beams, and blocking
  - E = 1,550,000 psi minimum
  - Fb = 2,325 psi minimum
- Laminated Strand Lumber (LSL) plates and rim board
  - E = 1,300,000 psi minimum
  - Fb = 1,900 psi minimum
- Parallel Strand Lumber (PSL) Beam
  - E = 2,000,000 psi minimum
  - Fb = 2,900 psi minimum
- Parallel Strand Lumber (PSL) Column
  - E = 1,800,000 psi minimum
  - Fb = 2,400 psi minimum
- Wolmanized Parallel Strand Lumber (Preservative Treated PSL)
  - E = 1,460,000 psi minimum
  - Fb = 1,825 psi minimum
- Glued Laminated Timber - Douglas Fir or Southern Pine balanced 24F-V5

DESIGN LOADS

Roof

Dead load – Penthouse Roof	76 psf
Dead load – Main Building	106 psf
Live load	20 psf
Snow load	
Ground snow, pg	60 psf
Flat roof snow load, pf	42 psf
Ce = 1.0, Ct = 1.0, Is = 1.0	
Roof top units	
See mechanical & notes below	

Floors`

Dead load 5th Floor	105 psf
Dead load 4th Floor	120 psf – See floor plan 140 psf – See floor plan
Dead load 3rd Floor	98 psf
Dead load 2nd Floor	208 psf
Dead load 1st Floor	175 psf
Live loads	
Office areas	50 psf / 2,000 lbs point load
Lobbies & first floor Corridors	100 psf
Corridors above first floor	80 psf / 2,000 lbs point load
Partitions	15 psf
Mech/Storage Rooms	125 psf
Stairs and Exit Ways	100 psf / 300 lbs point load
Residential	
Public Areas & Corridors serving them	100 psf
Private Rooms & Corridors serving them	40 psf
Storage (light)	125 psf

Wind

Risk Category	II
Vult	115 mph (3 second gust)
Vasd	90 mph (3 second gust)
Exposure Category	B
Internal pressure coefficient (GCpi)	±0.18
Component & Cladding design pressure	±15 psf (Service Load, Field) ±30 psf (Service Load, within 15 ft of building corners)

DESIGN CODES

Minnesota Building Code (2015)
Minnesota Conservation Code for Existing Buildings (2015)

REFERENCE CODES

International Building Code (IBC-2012)
International Existing Building Code (IEBC-2012)
American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI 7-10)
American Institute of Steel Construction Manual (AISC 360-10)
North American Specification for the Design of Cold-Formed Steel Structural Members with Supplement #1 dated 2010 (AISI S100-07/S1-10)
Steel Deck Institute (SDI – ANSI/NC1.0-10, ANSI/RD1.0-10)
American Welding Society – Structural Welding Code – Steel (AWS D1.1-10, D1.3-98, D1.4-98)
American Concrete Institute – Building Code Requirements for Structural Concrete – (ACI 318-11)
American Concrete Institute – Building Code Requirements for Masonry Structures – (ACI 530-11)
American Concrete Institute – Specification for Tolerances for Concrete Construction and Materials (ACI 117-10)
American Forest & Paper Association – National Design Specifications for Wood Construction with 2012 Supplement (ANSI/AWC – NDS-2012)

GENERAL NOTES

The contractor is solely responsible for site safety including all temporary precautionary measures and safety programs. Site observation visits by the SER do not include review of the contractor's safety precautions.

SUBMITTALS

Submit all submittals for all materials and/or products in a given system at one time.
The contractor shall review and stamp all submittals prior to the SER's review.
Stamp will include: Signature or initials certifying that all materials and/or products are in accordance with the requirements of the design documents.
Allow ten (10) business days for review and response for each submittal for review excluding delivery time to and from the Contractor.
When revised for resubmission, identify all changes made since previous submission.
SER shall not be responsible for delays caused by rejection of inadequate shop drawings.
Submittals not requested will not be recognized or processed.
All engineering design and associated calculations provided by others and submitted to the SER for review must bear a certification stamp and signature of a qualified professional engineer who is licensed in the state where the project is located.

The following items are to be issued as deferred submittals per 2015 Minnesota State Building Code Section 1300.0130:
- Structural steel connections
- Metal stairs and guardrails
- Metal balconies, guardrails and connections to building
- Modular block retaining walls

All items issued as deferred submittals are to be issued a minimum of 30 days prior to installation and must not be installed until their design and submittal documents have been reviewed for general conformance to the drawings by the general contractor, the SER and the building official. A copy of the deferred submittal must be forwarded to the authority having jurisdiction (AHJ) after the SER has reviewed the documents and prior to the erection of the deferred submittal items. Deferred submittal items must not be installed until approved by the AHJ.

COORDINATION - ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL ITEMS

Contractor shall verify all dimensions and conditions on site with the plans before construction begins. All discrepancies must be reported immediately.
Location, dimensions and details of recesses, depressions, openings, and equipment supports must be verified by reference to architectural, civil, electrical, and mechanical drawings.

EXISTING CONDITIONS

Contractor shall verify all dimensions, elevations, and details of the existing structure where they affect the new structural work. Notify architect and SER if there are any deviations from the contract documents.
Contractor shall field verify dimensions and elevations prior to fabrication of structural members.
Remove and replace existing architectural, electrical, mechanical, structural, civil, or miscellaneous items as necessary.

SHORING

General Contractor shall be responsible for temporary shoring of the existing construction until the new construction is in place and properly anchored in final form.
Shoring loads for existing structure not shown in documents to be determined by an engineer licensed in the state in which the project is located.
Shoring must be designed and the final design must be submitted to SER per Submittal Section for review.

TEMPORARY BRACING

All structural members are designed for in-place loads. Contractor is responsible for bracing, without overstressing, all structural elements as required at all stages of construction until completion of this project.
Provide temporary lateral support for all walls until adequately braced by the permanent structure.
Provide required temporary bracing for structural steel until permanent bracing and walls are in place.

ROOF TOP EQUIPMENT/OPENINGS

Verify size and location of all openings with architectural and mechanical drawings.
Openings in floor and roof not shown on structural drawings must be placed between structural members.
The contractor shall provide sleeves through concrete slabs, joists, and beams for all plumbing. Spread reinforcing as required to provide concrete cover for reinforcing.
For any mechanical equipment not shown, the total weight must not exceed 200 lbs without prior approval of the SER.
Provide mechanical unit locations, sizes, and weights to the SER. Do not place multiple roof top units on the same members without prior approval by the SER.
Provide photovoltaic system layout (if any proposed during this work), including ballast loads and/or type, size and spacing of fasteners to structure.

GENERAL SOIL NOTES

The structure has been designed using an assumed allowable soil bearing pressure of 10,000 psf on native bedrock or 4,000 psf compacted granular fill for footings.
A qualified geotechnical engineer shall confirm the assumed allowable soil bearing pressure in a geotechnical report, and the site must be prepared in accordance.
Any discrepancies in the assumed allowable soil bearing pressure must be reported immediately.
If verified conditions differ from assumed capacities, redesign of the foundation system, size and reinforcing of footings, walls and retaining walls may be required.
Design of earth retaining walls are based on the following:
Basement walls, supported laterally by the basement floor slab and by the main level framing:
Equivalent fluid pressure of 65 pounds per square foot per foot of depth.
Cantilever retaining walls, supported laterally at the base only:
Equivalent fluid pressure of 35 pounds per square foot per foot of depth.
Passive Pressure: of 300 pounds per square foot per foot of depth.
These equivalent fluid pressures are valid only when there is a properly designed and installed drain tile system and granular backfill.
The structure must be located on the site as indicated in the geotechnical report. The geotechnical report recommendations are valid for a specific structure location and conditions.
If any of the following conditions of the structure change, notify the geotechnical engineer immediately: the structure location, design loads, grading, and/or the size of the structure.
Remove all top soil, un-compacted fill, and other poor soil from the construction site as determined by the geotechnical engineer.
Slope the site to drain away from the building.
The contractor shall verify the location of existing underground utilities, tanks and other obstacles prior to beginning excavation.

FOOTINGS

Footings are to be formed cast-in-place concrete.
Wall footings to be 12" deep with a minimum projection of 4" each side reinforced with 2-#5 continuous bottom bars.
Pad footings to be a minimum of 2'-6" square by 12" deep reinforced with 3-#5 bottom bars each way.
Wall footings are centered under walls and pad footings under columns or piers.
Provide 30 bar diameter lap at splices and full crossing lap at corners and intersections.
Footing elevations shown on plan are to the top of the footing.
Maintain minimum frost depth for all exterior footings. Frost depth is 60" typically. Frost depth is measured from finished grade to the bottom of the footing.
Where the wall footing elevation changes, step the footing two units horizontal to one unit vertical.
Footing reinforcing must be continuous through footing steps.
Cast dowels in footing for foundation walls, piers and columns above.
Dowels are to be the same size, and spacing as the vertical reinforcing of the wall, pier or column.
Dowels must extend to 3" clear of bottom of footing. Refer to details for hooked dowels where needed.

UNDERPINNED FOOTINGS

The contractor is responsible for underpinning of existing foundations where noted.
Provide temporary shoring as needed to support vertical loads.
Provide temporary bracing as needed to resist horizontal earth pressure and retain the building.
Contractor to retain an engineer as needed to design shoring and bracing.
Underpinning must be constructed by a company familiar with this type of work.
Underpinning designs must be submitted to SER for review, prior to construction.

CONCRETE

Provide ready-mixed concrete per ASTM C94. Portland cement must be ASTM C150, Type I. Use only one brand of cement throughout the work. Provide concrete aggregates meeting the requirements of ASTM C33.
Water must be clean, free of deleterious amounts of acids, alkalis, or organic materials, and be considered potable. Provide admixtures to reduce water content, provide air-entrainment, or alter the quality of the concrete to meet the job conditions. Admixtures must be indicated in the mix designs.
All concrete exposed to weather, freeze-thaw conditions or de-icing chemicals shall contain 5% - 7% entrained air.
Slump at point of discharge shall be as follows:

Footings	3" - 4"
Walls, columns	3" - 5"
Slabs on grade	3" - 4"
Structural slabs, beams	3" - 4"
Masonry grout	8" - 11"

Verify slump on site matches slump specified in the approved mix design by testing methods listed in ASTM C143.
Workability of the concrete must be maintained so that concrete will completely fill forms without voids and bond to reinforcing without separation of materials.
Mix and deliver concrete in accordance with ASTM C94. Cooled or heated water must be used in accordance with ACI 305 and 306. Ready mixed concrete must be transported to the site in watertight agitators or mixer trucks loaded not in excess of rated capacities. Discharge at the site must be within one hour after charging. Air-entraining and chemical admixtures, if approved, must be charged into mixer as a solution as recommended by the manufacturer.
Concrete placed during cold weather must conform to the requirements of ACI 306.1. For hot weather conditions, apply recommendations of ACI 305.
Place concrete in accordance with ACI 304 "Guide for Measuring, Mixing, Transporting, and Placing Concrete". Use mechanical vibrating equipment for consolidation. Do not use vibrators to transport concrete in forms.
Protect fresh concrete from premature drying and excessively hot or cold temperatures while maintaining minimal moisture loss at a relatively constant temperature above 55 degrees Fahrenheit.
Provide wire, plastic, or precast concrete spacers, chairs, slab bolsters, support bars, etc. for support of reinforcing steel in proper position while placing concrete. Chairs/bolsters must be stable and resist tipping.

POURED CONCRETE WALLS

Reinforce poured concrete walls as shown in the drawings.
Provide #4 x 4'-0" long (equal legs) horizontal reinforcing corner bars at 12" OC at outside corner of wall and 3 – #4 vertical support bars.
All wall openings larger than 12" must have 2 - #5 at all sides extending 2'-0" beyond each edge of opening with 2 - #5 x 4'-0" diagonal bars at each corner of opening.
Wall reinforcing must be continuous through columns and pilasters.
Vertical construction joints in walls shall be a maximum of 80 feet on center and shall be located as shown on structural drawings. Vertical control joints in wall shall be a maximum of 20 feet on center between construction joints and shall be located as shown on the structural drawings. If locations are not shown, locate joints at edges of piers integral with wall and near corners and in concealed locations where possible.
Provide full development and splice lengths per Concrete Reinforcing Steel Institute (CRSI) or ACI 318 requirements.
Concrete must not be laid when the temperature of the outside air is below 40 degrees Fahrenheit, unless approved methods are used during construction to prevent damage to the concrete. All materials used and surfaces built upon must be free of snow and ice.
Wood beams pocketed into concrete must be provided with a 1/2" air space on top, end, and sides unless treated wood or steel plates are used.
Concrete must not bear permanently on wood members.

CONCRETE SLABS

All slabs on grade to be 4" thick and reinforced with WWF 6 x 6 - W1.4 x W1.4 in center of slab.
All concrete stairs cast on grade are to be a minimum of 6" thick and reinforced with #4 at 12" OC, each way, with 3" cover at bottom.
Construction and/or control joints should occur at a maximum of 10'-0" OC at exterior slabs on grade, and at a maximum of 16'-0" OC at interior slabs on grade.
Construction and/or control joints should be laid out in a rectangular pattern with long to short side ratio less than or equal to 1.5 and with no re-entrant corners.
Control joints for slabs on grade should be saw-cut as soon as concrete can accept it without raveling. Do not cut control joints in structural slabs or topping slabs unless specifically directed.
All control/construction joints must be continuous and not staggered or offset.
Control joints must be cleaned and sealed for curing purposes as soon as possible.
Verify floor finishes and control/construction joint locations with owner and architect.

THICKENED SLAB ON GRADE

Where no footing or foundation wall is shown under a masonry wall, slabs under such walls must include a 16" wide x 8" deep thickened slab with 2 - #4 continuous bottom bars, placed 3" clear of bottom.

CONCRETE TOPPING

All topping slabs must be reinforced with 3.0 pounds per cubic yard polypropylene macro fiber.

CONCRETE COVER ON REINFORCING

Footings	3" clear, bottom and sides
Drilled Piers	3" clear, bottom and sides
Walls	#5 and smaller: 1-1/2" clear, outside face and 1" clear inside face #6 and larger: 2" clear, outside face and 1" clear inside face
Columns and Beams	1-1/2" clear to ties or stirrups
Joists and Slabs	1" clear, top and bottom
Slab on Grade	Center reinforcing in slab
Slabs on Metal Deck	Center reinforcing in portion of slab above metal deck

REINFORCED CONCRETE MASONRY WALLS

Hollow unit concrete masonry must be per ASTM C90.
Mortar must be per ASTM C270: Type S for below grade and exterior masonry; Type N for all interior above grade masonry.
All masonry units must be placed in running bond.
Provide special shapes for jambs, columns, pilasters, control joints, corners and lintels.
See plans for location and spacing of reinforcement in walls.
Locate reinforcement in cores with positioners.
Place at least (1) vertical reinforcing bar in wall corners.
When one bar is in a single core, place in center.
When two bars are in a single core, place one near each face and refer to grout clearance requirements.
For #6 and smaller, vertical steel must be continuous with 48 diameter lap at all splices for reinforcement in center of wall, 72 diameter lap at all splices for reinforcement near face of wall or as scheduled for specific conditions.
Fill masonry core at vertical columns with grout vibrated in place.
Grout must be per ASTM C476 with a slump of 8" - 11" and tested per ASTM C143.
Wall heights must not exceed 5'-4" before placement of core grout unless cleanout holes are provided at the bottom of each maximum 5'-4" grout lift.
Provide ladder or truss style horizontal joint reinforcing, fabricated with galvanized minimum 9-gauge wire, placed every 2nd course (16" OC) in single wythe masonry walls.
Provide bond beam with 2 - #5 at all floor lines, roof lines and top of walls or as specified on drawings.
Provide corner bars with 2'-0" legs for each horizontal bar in all bond beams at corners and intersecting walls.
Provide full mortar bedded face shells and webs around all grouted cells for full bearing and to prevent leakage into adjacent cells.
Place control joints in the masonry walls such that no straight run of wall exceeds the lesser of 32 feet or 2.5 times the height.
Locate control joints at least 4'-0" from masonry wall pilasters and corners.
Bond beam reinforcing must be continuous through control joints.
See architectural plans for location and detail of wall control joints.
All openings in non-load bearing masonry walls not specifically indicated to have other types of lintels must have reinforced masonry lintels as follows:
- 8" deep for spans up to 4'-0".
- 16" deep for spans from 4'-0" to 8'-0".
- 4" and 6" wide units to be reinforced with 1 - #5 bottom.
- 8", 10" and 12" wide units to be reinforced with 2 - #5 bottom.

Where one lintel beam is continuous over two openings, with intermediate support, use 2 - #5 top and 2 – #5 bottom.
Extend all lintels a minimum of 8" beyond opening and grout jamb core full height with 1 - #5 vertical reinforcing bar.

STRUCTURAL STEEL

Structural steel must be designed, fabricated, and erected according to the specifications of the American Institute of Steel Construction (AISC).
Naturally occurring camber in beams to be set with the camber up.
Structural steel supplier must supply all cap plates, bearing assemblies, base plates, stiffeners, splices and connections.
All welding must match filler materials in accordance with the rules of the American Welding Society (AWS D1.1) Structural Welding Code.
All welders shall be certified by the rules of the American Welding Society.
Steel beams to have minimum 5/16" x 3/4 beam height web stiffeners each side at all bearing locations and when supporting columns above.
Field weld all steel beams to concrete or masonry bearing plates full length each face with 1/4" fillets.
Steel beam lintels to have 5/16" thick bottom plate welded to the bottom flange with 1/4" x 2" fillet welds at 12" OC each face staggered.
Steel lintels to bear on masonry a minimum of 8" each end of the opening. Reinforce the masonry core under the lintel and first adjacent core full height with minimum 1 - #5 vertical reinforcing bar. Grout each core solid.
All structural steel below grade must be coated with bituminous paint.
All structural steel exposed to weather must be galvanized.
Modification of structural steel members in the field is not permitted without prior approval by the SER.

STRUCTURAL STEEL CONNECTIONS

Connections shown represent the finished connection condition. Temporary seats, plates and supports shall be removed by steel erector.
Refer to connection schedules for minimum connection requirements.
Substitution requests shall be submitted for approval prior to shop drawing submittal.
Typically provide bolted connections for field installation and welded or bolted shop connections.
Typical bolts are 3/4" diameter A325-N bolts in standard or short slotted holes.
Structural steel supplier must provide all components for OSHA requirements.

STEEL DECKING

Manufacture, detail and install steel deck and accessories in accordance with the Steel Deck Institute (SDI) specifications.
See plan for deck fastening requirements.
Provide weld washers where deck is 22 ga and thinner.
Make deck joints over structural supporting members only.
Steel deck should span continuously over a minimum of three spans, where possible.
End joints of roof and non-composite deck must be lapped 2". End joints of composite deck must be butted.
Provide minimum #10 TEK screws for sidelap fasteners.
Provide and install pour stops and end closures as required by the SDI.
Decking is designed unshored. When shoring is indicated, shore per manufacturer's recommendations.
Provide a prime painted finish at roof deck and a galvanized finish for composite deck. Leave form deck unfinished.
Do not cut openings in composite slabs until after concrete has reached full design strength.

COLD FORMED STRUCTURAL STEEL

All cold formed structural steel must be designed, fabricated, and erected according to the specifications of the American Iron and Steel Institute.
Submit complete shop drawings to architect and SER for approval showing the erection plan, framing member sizes, and connection details.
Cold formed structural steel supplier shall design and supply all studs, tracks, joists, stiffeners, strap bracing, bridging, end closures, accessories and connections.
Cold formed steel framing is to be designed using members as specified by the Steel Stud Manufacturer's Association.
All welding must match filler materials in accordance with the rules of the American Welding Society (AWS D1.3) Structural Welding Code.
All welders shall be certified by the rules of the American Welding Society.
Cut ends of studs squarely and seat firmly in runner track with full bearing on the structure.
Notching or coping of studs is not allowed.
Provide minimum 33 mil for tracks and 43 mil for all other members.
Deflection criteria must conform to the requirements set forth by the IBC.
All field cutting of members must be done by sawing or shearing. Torch cutting of cold-formed members is not acceptable.
Splicing of members is not allowed.
Steel stud walls must be sheathed both faces with gypsum or structural sheathing unless flange bracing is provided by the manufacturer.
Provide horizontal steel blocking/bridging as per the manufacturer's specifications and requirements for spacing and fastening.
Framing fabricator must align punchouts when assembling lateral bracing and field cutting studs to length.
Lateral bracing must be installed at the time the wall is erected; failure to do so may compromise the structural integrity of the building.
Provide unpunched continuous framing members at headers.
Screws must conform to the requirements of ASTM C1513.
All straps must be stretched and installed taut.
Touch up all welds with zinc-rich paint.
Refer to architectural drawings and specifications for size, minimum thickness, extents and locations of interior non-bearing cold formed steel framing not shown on the structural drawings.

DIMENSION LUMBER

Design assumes lumber is free of significant splits and checks. Contractor must visually inspect lumber during installation.
All lumber must be grade stamped and provide the following information: grading agency, mill number or name, grade of lumber, species or species grouping or combination designation, rules under which graded, where applicable, and condition of seasoning at time of manufacture.
Lumber grading rules and wood species must conform to Voluntary Product Standard PS 20-10 as published by the Department of Commerce. Grading rules must be from an agency certified by the Board of Review of the American Lumber Standards Committee.
All lumber must be seasoned to a moisture content of 19% or less, with the indication of "S-Dry" on the grade stamp.
All lumber must be protected from the elements and stored on site per suppliers requirements.
Sill plates and all other lumber in contact with concrete or masonry and within 8" of finished grade must be preservative treated wood. In crawlspaces or unexcavated areas within the building foundation, wood must be preservative treated for joists within 18" of exposed ground and/or girders within 12" of exposed ground.
Preservative treated wood must be in accordance with the American Wood Protection Association, Standard U1.
All fasteners and hangers in contact with treated lumber must be G185 hot dipped galvanized or equal.
Sill plates to be bolted to foundation with 5/8" diameter anchor bolts at 4'-0" OC maximum.
Bolts to extend 13" minimum into solidly grouted masonry foundation wall and 5" minimum into cast in place concrete foundation wall. Attach each sill plate with a minimum of 2 bolts with one bolt located not more than 12" or less than 4 ½" from each end of the plate section. Use 1/8" x 2" washers, slightly crushing plate.
All walls must have a single bottom plate and double top plate.
Frame interior non-load bearing walls with 2 x 4 studs @ 16" OC.
At typical openings, provide a Minimum of: 2 bearing (trimmer or jack) studs and 1 full-height king stud.
Beams and headers must be fully supported across the width of the member. Bear each end on all support studs or columns noted on plan with a minimum 3" bearing length.
Beams or headers made of multiple 2x plies with 1/2" spacer must be nailed together with 16d nails (.162" x 3 ½") at 16" OC along each edge, typical for each lumber ply.
Wood joists must bear the full width of supporting members (stud wall, beams, etc.)
Provide solid vertical blocking at all joist spaces below wood columns. Provide matching columns to foundation at lower levels below columns comprised of 3 or more studs.
Beams and joists not bearing on supporting members must be framed with prefabricated metal hangers.
Space joist bridging at a maximum of 8'-0" OC.
Minimum nailing to be in accordance with Table 2304.9.1 of IBC.
Lumber joists and studs shall not be notched without prior approval of the SER unless otherwise shown on the drawings.
All plywood and OSB must be installed per APA standards, including the use of construction adhesive for fastening to floor joists.
Performance requirements, adhesive bond performance, panel construction, workmanship, dimensions, tolerances, marking, and moisture content of Wood-based Structural-use Panels must conform to Voluntary Product Standard PS 2-10 published by the Department of Commerce.

ENGINEERED LUMBER

All engineered LVL, LSL, and PSL lumber must meet the minimum design properties listed in the Material Strengths section of these notes.
Protect engineered lumber from the elements and store per manufacturer recommendations.
All engineered lumber intended for exterior use must be PSL lumber with Wolmanized preservative protection and meet the minimum design properties as listed in the Material Strengths section of these notes.
All fasteners and hangers in contact with treated engineered lumber must be G185 hot dipped galvanized or equal.
Engineered lumber headers and beams must have a minimum 3" length of bearing at each end and be supported fully across their width.
Fasten multiple plies of engineered lumber beams or headers together as per manufacture recommendations,

MASONRY RESTORATION - REPOINTING

Select and mix mortar materials in accordance with ASTM C270 Appendix X3.
Cut out existing mortar joints (both bed and head joints) and remove by means of a toothing chisel or a special pointer's grinder, to a uniform depth of no less than 3/4_inch, or until sound mortar is reached. Take care to not damage edges of existing masonry units to remain. Remove dust and debris from the joints by brushing, blowing with air or rinsing with water. Do not rinse when temperature is below freezing. Protect newly pointed joints from rain, until pointed joints are sufficiently hard enough to prevent damage. Repointing may be performed in freezing weather when methods of protection are utilized. Comply with applicable sections of ACI 530 for Cold Weather Construction. Keep existing surfaces at temperatures to prevent mortar from freezing or causing other damage to mortar.
Immediately prior to application of mortar, dampen joints to be repointed. Prior to application of pointing mortar, allow masonry units to absorb surface water.
Tightly pack mortar into joints in thin layers, approximately 1/4_inch thick maximum.
Allow layer to become "thumbprint hard" before applying next layer.
Pack final layer flush with surfaces of masonry units. When mortar becomes "thumbprint hard", tool joints. Tool joints with a jointing tool to produce a smooth, compacted, concaved joint. Tool joints with a jointing tool to match the existing surrounding joints.
Clean exposed masonry surfaces on completion. Remove mortar droppings and other foreign substances from wall surfaces. First wet surfaces with clean water, then wash down with a solution of soapless detergent specially prepared for cleaning brick. Brush with stiff fiber brushes while washing, and immediately thereafter hose down with clean water. Clean surfaces to remove traces of detergent, foreign streaks or stains. Protect materials during cleaning operations including adjoining construction. Use of muriatic acid for cleaning is prohibited.

MASONRY RESTORATION - BRICK REPLACEMENT

ASTM C216, Grade SW, Type FBS. Brick shall be classified slightly efflorescent or better when tested in accordance with ASTM C67.
Re-use existing masonry units whenever possible. Coordinate with owners CM for available material.
Cut out mortar joints surrounding masonry units that are to be removed and replaced.
Units to be removed not intended to be re-used may be broken and removed, providing surrounding units to remain are not damaged.
Once the units are removed, carefully chisel out the old mortar and remove dust and debris.
If units are located in exterior wythe of a cavity or veneer wall, exercise care to prevent debris falling into cavity.
Dampen surfaces of the surrounding units before new units are placed. Allow existing masonry to absorb surface moisture prior to starting installation of the new replacement units.
Butter contact surfaces of existing masonry and new replacement masonry units with mortar.
Center replacement masonry units in opening and press into position.
Remove excess mortar with a trowel.
Point around replacement masonry units to ensure full head and bed joints.
When mortar becomes "thumbprint hard", tool joints. Tool joints with a jointing tool to produce a smooth, compacted, concaved joint. Tool joints with a jointing tool to match the existing surrounding joints.
Clean exposed masonry surfaces on completion. Remove mortar droppings and other foreign substances from wall surfaces. First wet surfaces with clean water, then wash down with a solution of soapless detergent specially prepared for cleaning brick. Brush with stiff fiber brushes while washing, and immediately thereafter hose down with clean water. Clean surfaces to remove traces of detergent, foreign streaks or stains. Protect materials during cleaning operations including adjoining construction. Use of muriatic acid for cleaning is prohibited.

CONCRETE SURFACE PATCH

The repair material shall be a modified polymer cementitious material which is available in factory-proportioned packaging.
The following materials are approved for this project:
- "Mono Top 615", by Sika Corp.
- "ThoroCrete HS" by Thoro System Products.
- "Vulkem", by TREMCO
- "Euccocrete" by Euclid Chemical Company

Proposed substitution shall show proof of satisfactory performance under similar conditions as this project.
Thoroughly clean the repair area to be patched by wire brush or sandblasting to accomplish all of the following:
Removal of any remaining loose or unsound concrete and all dirt and other contaminants that may impair the bonding of the repair material.
Removal of all rust, scale and concrete from exposed reinforcing steel.
Final cleaning shall be performed just prior to placing the repair material using clean water.
Mix and place the patch material in strict accordance with the Manufacturer's written instructions.
The repair area shall be washed with clean water and shall be kept damp for a minimum of one (1) hour before the patch is applied. Just prior to the application of the patch material all free water shall be blown off using oil-free compressed air.
Just prior to installing the patch material, scrub mortar into the substrate to fill all pores.
Install the patch material and thoroughly compact to produce a uniform dense surface.
Strike-off patch and finish to match the elevation and texture of the surrounding insitu concrete or masonry surfaces.
Immediately following the final finishing, the patch shall be cured in strict accordance with the manufacturer's written instructions.

CONCRETE REPAIR - DEEP CONCRETE PATCHING AND REINFORCING REPAIR

Coat all exposed existing mild steel reinforcement using one of the following:
- "Armatec 110", by Sika Corporation.
- "EMACO P22", by Master Builders
- "MasterProtect P 8100AP", by Master Builders

Portland Cement: ASTM C150, Type I, use only one brand of cement throughout the work.
Concrete shall obtain a minimum 28 day compressive strength of 4000 psi.
Select cement and pigment to closely match existing concrete.
Reinforcing materials: Mild Steel deformed bar reinforcing, ASTM A615 Grade 60.
Aggregates: ASTM C33, normal weight. 3/8" maximum size aggregate.
Water: Clean, free of deleterious amounts of acids, alkalis or organic materials, potable.
Admixtures:
Water Reducing Agent: ASTM C494 when accepted by the Architect, free of chloride.
Air Entraining Agent: ASTM C260. Use in all concrete exposed to weather as a supplement, as required, to produce a total air entrainment of 6% + 1%.
Do not use admixtures to cause accelerated or retarded setting of cement in concrete without written approval.
Concrete shall be site mixed or plant mixed and delivered to the site.
All unsound concrete in the repair areas shall be removed down to sound concrete, and as detailed on the drawings.
Concrete shall be removed completely around exposed reinforcing steel to provide a minimum of 3/4" clearance from the in situ concrete. If sound concrete is reached above the mid-point of the exposed reinforcing bar, it is not necessary to extend concrete removal around bar unless directed by Engineer.
The repair areas shall generally be rectangular shaped in plan view and exhibit a generally uniform depth.
The edges of the repair area shall be perpendicular or slightly undercut. Provide a minimum 1/4" deep vertical edge at the perimeter of the repair area by sawcutting or chipping. Featheredges will not be permitted. This shall be accomplished by sawcutting or chipping hammers. During sawcutting, exercise caution to avoid damaging existing reinforcement for the concrete. Prior to sawcutting, the Contractor shall remove sufficient concrete to determine both the location and the depth of the existing reinforcement. Exercise caution to avoid damaging the existing reinforcement located near the surface of the concrete.
If rust is present on the exposed reinforcement where it joins the sound concrete, then additional concrete removal may be required as directed by the Engineer.
During the removal process, the Contractor shall exercise care to avoid cracking and otherwise damaging surrounding sound concrete and reinforcement. Repair any such damage caused by the Contractor's work at no cost to the Owner.
The Contractor shall be responsible for removing all concrete and other debris from the jobsite. Comply with all regulations and local building codes required to legally dispose of said materials.
Removal of concrete around and beneath exposed reinforcement and at the repair edges shall be performed using chipping hammers not in excess of a 15 lb. rating.
All hammers shall be equipped with chisel point bits with a minimum width of 1".
Removal of concrete shall extend 2" to 4" beyond the outer boundary mark of unsound concrete unless otherwise specified herein or detailed on the Drawings.
Following the removal of deteriorated and unsound concrete and prior to final cleaning, the Engineer shall inspect the repair areas for compliance with the requirements specified herein. If any unsatisfactory conditions exist, the Engineer shall direct the Contractor to make the necessary corrections. The Engineer shall re-inspect the areas following the corrective work.
Following the concrete removal operation, thoroughly clean the repair area by sandblasting or powered wire brush to accomplish all of the following:
Removal of any remaining loose or unsound concrete and all dirt and other contaminants that may impair the bonding of the repair material.
Removal of all rust, scale and concrete from exposed reinforcing steel.
Final cleaning shall be performed just prior to placing the repair material using clean water.
Immediately following the cleaning of the repair area by sandblasting or power wire brushing all exposed existing reinforcing steel shall be coated using an approved corrosion protective coating applied strictly in accordance with the manufacturer's recommendations. The Contractor shall exercise care so as to avoid spilling of the coating on the surrounding concrete surfaces.
Reinforcing steel exposed during the preparation of repair areas that has lost 20% or more of its original diameter due to corrosion shall be supplemented with additional reinforcement of equal size
Secure the new reinforcement to the existing reinforcement with wire ties or approved anchors.
Loose reinforcement exposed during the operation of repair areas shall be securely anchored by tying-off to existing bonded reinforcement or by tying-off to drilled-in anchors using nylon-, epoxy-, or plastic-coated tie wire.

STONE REPAIR - CLEAN AND SEAL

Siloxane Water Repellants include the following:
1. Material: Water-based emulsion siloxane water repellent
2. Siloxane Content: 7 to 10%
3. Application Method: [Brush] [Roller] [Sprayer]
4. Color: Milky white, dries clear
5. Active Content: 100%
6. Water Penetration and Leakage: (ASTM E-514): 83% average reduction
7. Chloride Ion Uptake: (NCHRP Report 244): 77% reduction

Provide a test panel on one hidden stone area. Use the manufacturer's application instructions. Let test area cure before inspection. Keep test panels available for comparison throughout application procedure.
Ensure that surfaces to be coated are structurally sound and free of moisture, dust, loose materials, frost, loose mortar or any materials or obstructions that would be detrimental to the penetration of the sealer.
Verify that conditions are acceptable for application of the waterproofing system and in accordance with the manufacturer's directions. Do not proceed with the application until unacceptable conditions are corrected. Substrate must not have rain for 24 hours prior to application. Substrate must not have rain for 24 hours after application. Site temperatures must be above 40 F during and after application.
Do not dilute. Do not apply in high winds. Protect glass and metal from coverage.
Vertical Application: Spray, brush or roll sealer onto substrate starting at bottom of area. Maintain 6" to 8" run down of sealer. Protect coated areas for 24 hours from rain.

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701 Washington Ave. N, Ste 200 | Minneapolis, MN 55401 | 612.338.2029

Mattson Macdonald Young structural engineers
Bassett Creek Business Center
901 North 3rd Street, Suite 100
Minneapolis, MN 55401
612-827-7825 voice
612-827-0805 fax

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	01/10/2020	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: David H. Macdonald
Date: 01-10-2020 Reg. No.: 14751

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SPECIAL INSPECTIONS

The contractor shall include in the bid the cost of all testing and inspections indicated on the plans and in the specifications, including special inspections required by the building code. The actual contracting of the inspection and testing services shall be in accordance with the division of responsibility dictated by the Minnesota Building Code.

IBC Section 1705 requires that in addition to the inspections required by Section 110, the owner shall employ one or more special inspectors who shall provide inspections during construction of certain types of work.

"Special Inspection" concerns work requiring observation and judgement and shall be performed by a structural engineer (or a designated person under the supervision of the engineer). "Testing" involves the analysis of materials in accordance with approved standards and shall be performed by an independent testing agency.

The contractor shall coordinate the testing and inspection services in accordance with the progress of the work. The contractor shall provide sufficient prior notice to the testing and/or inspection agency of the required work to allow proper scheduling of personnel. The cost of any retesting or additional inspections as a result of failed tests and rejected work shall be borne by the contractor.

This project requires a STRUCTURAL TESTING AND SPECIAL INSPECTION SCHEDULE, to be signed by the Owner, Contractor, Architect, Structural Engineer of Record, and Testing Agency. Refer to the program summary schedule for frequency of testing and inspections.

REQUIRED SPECIAL INSPECTIONS

DESCRIPTION OF WORK IBC SECTION 1705		INSPECTION YES	INSPECTION NO	TESTING YES	TESTING NO	N/A	REMARKS
1. Welding	(1705.2)	●		●			1a, 1b, 1c, 1d, 1e
2. Struct Steel Details	(1705.2.1)	●			●		2a
3. High Strength Bolting	(1705.2.1)	●			●		3a, 3b, 3c, and 3d
4. Concrete Construction	(1705.3)	●		●			4a, 4b, 4c, and 4d
5. Structural Masonry	(1705.4)	●		●			5a, 5b, and 5c
6. Wood Assemblies	(1705.5)	●			●		6a
7. Soils	(1705.6)	●		●			7a, 7b, and 7c
8. Pile Foundations	(1705.7)					●	
9. Pier Foundations	(1705.8)					●	
10. Special Inspections for Wind Resistance	(1705.10)					●	
11. Sprayed Fire-Resistant Materials	(1705.13)					●	Refer to project specifications
12. Mastic and Intumescent Fire-Resistant Materials	(1705.14)					●	Refer to project specifications
13. Exterior Insulation and Finish Systems (EIFS)	(1705.15)					●	Refer to project specifications
14. Fire Resistance Penetration and Joints	(1705.16)					●	Refer to project specifications
15. Smoke Control	(1705.17)					●	Refer to project specifications
16. Special Cases	(1705.1.1)	●			●		16a

SPECIAL INSPECTIONS WORK REQUIRED

Items marked with an asterisk " * " are conventional testing not strictly a part of Section 1705 but are required for adequate quality assurance and can be provided by the contractor. All other work must be provided by the owner as indicated by the MN State Building Code.

1. **Welding - Structural Steel**
   a.* Provide verification of Quality Control/Quality Assurance Program regarding fabrication process.
   b. Test samples of existing steel elements for special welding requirements.
   c. Provide visual inspection of all field welding.
   d. Qualification of Welders prior to start of work.
   e. Verification/Testing of welding to of existing steel (if special procedures needed).

2. **Structural Steel Details**
   a. Provide visual inspection of structural steel details such as bracing, stiffening, member configuration, and proper construction of joint details at each connection.

3. **High-strength Bolting**
   a. Provide verification of Quality Control/Quality Assurance Program regarding fabrication process.
   b. Visual Inspection of all field bolting.
   c. Bolt designs are based on "bearing" type connections, verify that the connected materials have been drawn together properly.
   d. Provide periodic inspection of bolt installation method. Acceptable methods are turn of the nut, direct tension indicator, or twist-off bolt.

4. **Concrete Testing**
   a.* Provide mix design in accordance with ACI requirements.
   b. Test concrete at the time of pouring for slump, air-entrainment, and temperature in accordance with the specifications.
   c. Make and test concrete cylinders for representative strength in accordance with the specifications.
   d. Provide periodic visual inspection of reinforcing:
      I. Visual inspection of all pad footings prior to pour.
      II. Visual inspection of 25% of continuous strip footings prior to pour.
      III. Visual inspection of 50% of slab on grade and topping over metal deck prior to pour.

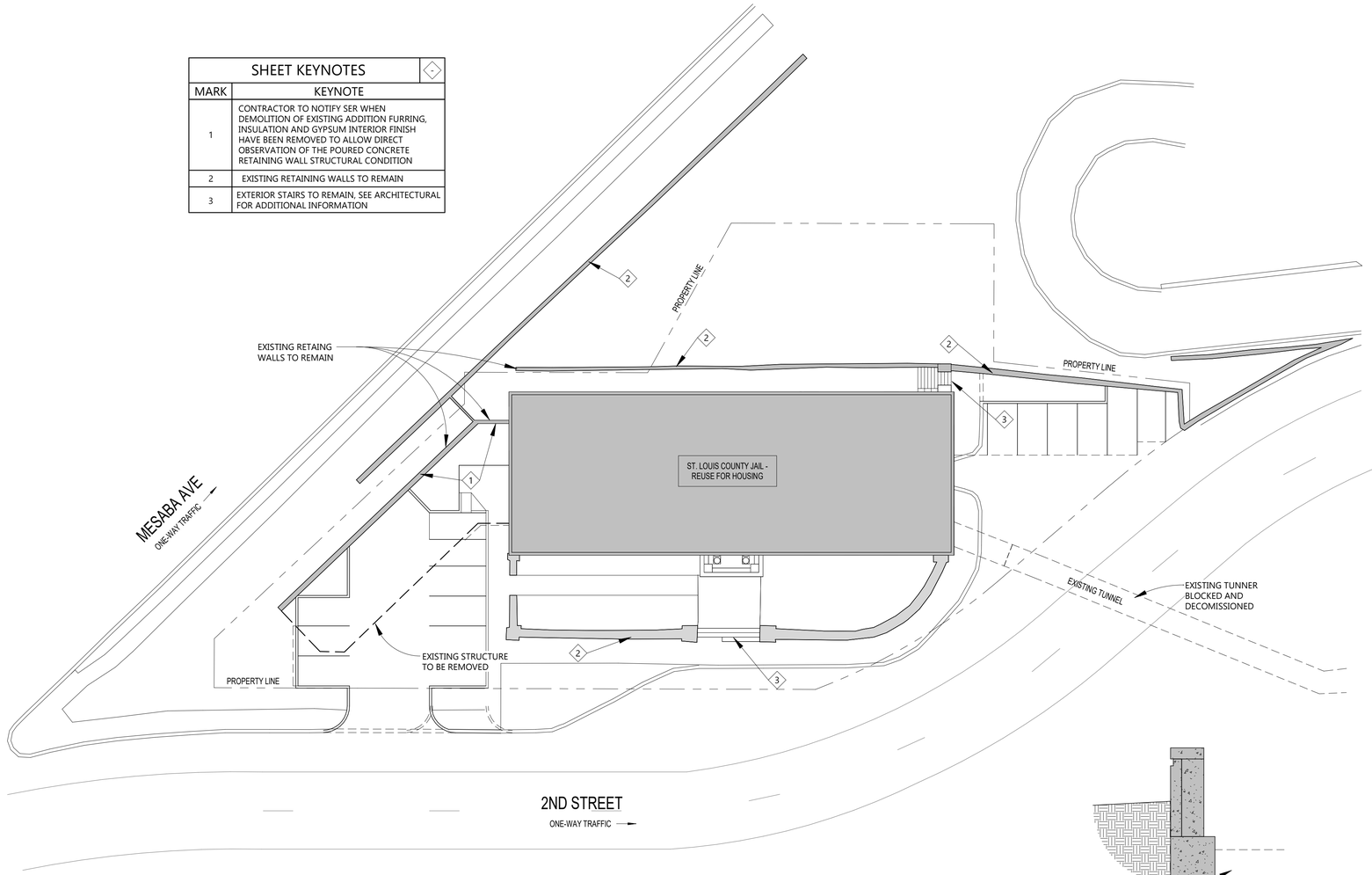
5. **Masonry - Level B Quality Assurance**
   a. Design of masonry based on net area compressive strength of masonry = 2000 psi. Inspections may be performed in accordance with Table 1.19.2 in ACI 530-11.
   b. Provide letter of certification from the manufacturer of concrete masonry units and suppliers of mortar and grout, to assure compliance with the compressive strengths required.
   c. Inspection of masonry core grouting - (1) inspection prior to each grouting procedure.
      I. Reinforcing size and spacing.
      II. Grout pour height and cleanouts.
      III. Hot weather or cold weather procedures.

6. **Wood Assemblies**
   a. Visually inspect framing layout and connection details.

7. **Soils**
   a.* Verify footing excavation for suitability for planned footing.
   b.* Verify material used for compacted backfill.
   c.* Test compacted backfill for specified compaction.

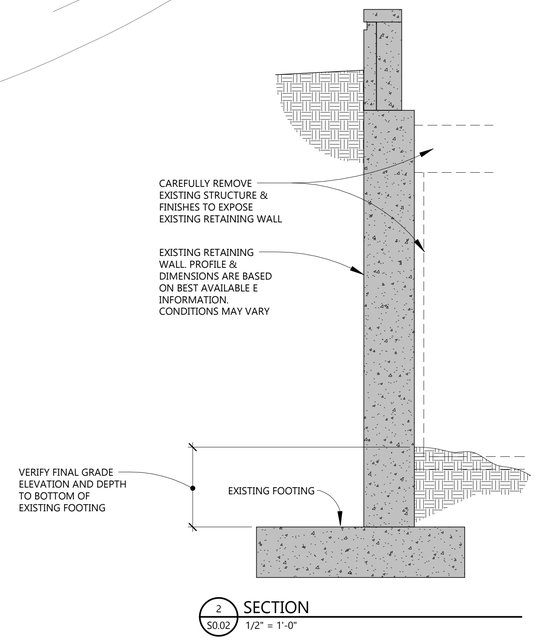
16. **Special Cases**
   a. Post-installed anchors. Inspection requirements based on manufacturer's requirements, as described in the ICC Evaluation Service Report (ICC-ESR).

SHEET KEYNOTES	
MARK	KEYNOTE
1	CONTRACTOR TO NOTIFY SER WHEN DEMOLITION OF EXISTING ADDITION FURRING, INSULATION AND GYPSUM INTERIOR FINISH HAVE BEEN REMOVED TO ALLOW DIRECT OBSERVATION OF THE POURED CONCRETE RETAINING WALL STRUCTURAL CONDITION
2	EXISTING RETAINING WALLS TO REMAIN
3	EXTERIOR STAIRS TO REMAIN, SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION



1 / S0.02 STRUCTURAL SITE PLAN
1" = 20'-0"

PLAN NOTES:
1. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.



2 / S0.02 SECTION
1/2" = 1'-0"

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NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
SPECIAL INSPECTIONS & STRUCTURAL SITE PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S0.02**

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FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
F2	2'-0" x 2'-0" x 8" THICK	(3) - #5 x 1'-6" EACH WAY BOTTOM
F4	4'-0" x 4'-0" x 12" THICK	(4) - #5 x 3'-6" EACH WAY BOTTOM
Fa	16" x 12" THICK CONTINUOUS	(2) - #5 CONTINUOUS
Fb	20" x 12" THICK CONTINUOUS	(2) - #5 CONTINUOUS
Fc	24" x 12" THICK CONTINUOUS	(2) - #5 CONTINUOUS

CMU WALL REINFORCEMENT SCHEDULE

MARK	WALL TYPE	REINFORCEMENT
MW6	6" CMU	
MW8	8" CMU	#4 @ 32" OC VERT
MW8A	8" CMU	#5 @ 32" OC VERT CENTERED IN GROUTED CORES

BEARING PLATE SCHEDULE

MARK	BEARING PLATE	REMARKS
BP1	3/8" x 6" x 0'-6" w/ (2) - 1/4" DIA x 4" HEADED STUDS	
BP2	1/2" x 7" x 0'-7" w/ (2) - 1/4" DIA x 4" HEADED STUDS	
BP3	3/8" x 6" x 0'-8" w/ (2) - 1/4" DIA x 4" HEADED STUDS	
BP4	3/8" x 6" x 0'-10" w/ (2) - 1/4" DIA x 4" HEADED STUDS	
BP5	3/8" x 6" x 0'-11" w/ (2) - 1/4" DIA x 4" HEADED STUDS	DETAIL 1/S3.30

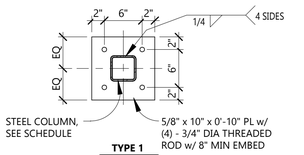
STEEL COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	REMARKS
SA	HSS4X4X1/4	TYPE 1	
SB	HSS4X4X3/8		
SC	HSS4X4X1/2	TYPE 1	
SD	HSS5X5X5/16	TYPE 2	
SE	HSS5X5X3/8	TYPE 2	
SF	HSS6X3X3/8	TYPE 3	
SH	HSS5X5X1/2	TYPE 2	
SJ	HSS3X3X1/4	TYPE 1	

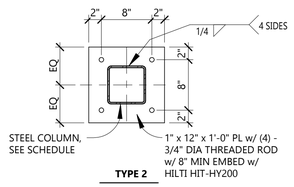
SCHEDULE NOTES:

1. COLUMN MARKS SHOWN ON PLAN INDICATE COLUMNS STARTING AT THAT LEVEL.
2. SEE 1/S0.03

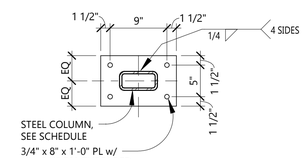
NOTE:
DO NOT CUT OR DAMAGE EXISTING CONCRETE SLAB REINFORCING



TYPE 1



TYPE 2



TYPE 3

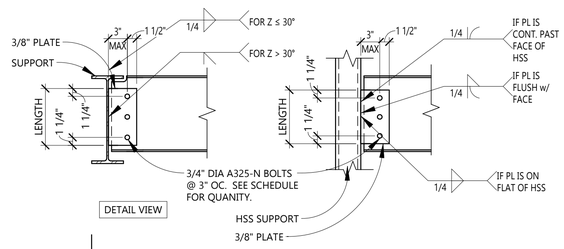
SHEAR TAB CONNECTION SCHEDULE (UNMARKED)

BEAM SIZE	PLATE LENGTH "L"	NUMBER OF BOLTS "n"
W8, W10, MC8, C8, MC10, C10	5 1/2"	2
W12, W14, MC12, C12	8 1/2"	3
W16, W18, MC15	11 1/2"	4

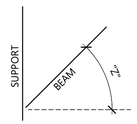
SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS w/ LARGER COPES.

NOTE: AT CONTRACTOR'S OPTION, WELDING MAY BE USED IN LIEU OF BOLTING. PROVIDE 1/4" FILLET WELDS FULL LENGTH OF PLATE WITH MINIMUM 2" RETURN EACH END



DETAIL VIEW



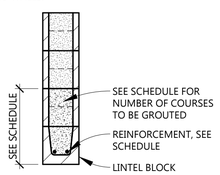
PLAN VIEW

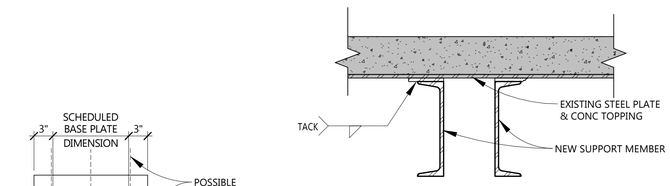
CMU LINTEL SCHEDULE

MARK	LINTEL	BEARING LENGTH	PIER
M1	(1) COURSE 6" LINTEL BLOCK w/ (1) - #5 CONTINUOUS	8"	GROUT (3) COURSES BELOW BEARING

SCHEDULE NOTES:

1. SEE STRUCTURAL NOTES FOR ALL LINTELS IN NON-LOAD BEARING CMU WALLS.





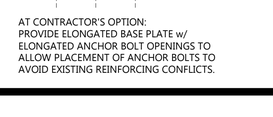
OPTION: STEEL SHIMS
PLACE SHIMS BETWEEN NEW MEMBER & UNDERSIDE OF FLOOR @ 24" OC MAX

OPTION: CEMENT GROUT
PLACE CEMENT GROUT BETWEEN NEW MEMBER & UNDERSIDE OF FLOOR FULL LENGTH OF MEMBER

PROVIDE SHIMS OR GROUT WHERE NEW MEMBER DOES NOT MAKE CONTACT WITH THE UNDERSIDE OF THE EXISTING FLOOR.

AT CONTRACTOR'S OPTION: SET ALL NEW STEEL FRAMING MEMBERS 1/2" TO 3/4" BELOW BOTTOM OF FLOOR ELEVATION. ALL MEMBERS WILL REQUIRE SHIMS OR GROUTING AS SHOWN ABOVE.

2 S0.03 TYPICAL SUPPORT SHIM METHODS
1 1/2" = 1'-0"



AT CONTRACTOR'S OPTION:
PROVIDE ELONGATED BASE PLATE w/ ELONGATED ANCHOR BOLT OPENINGS TO ALLOW PLACEMENT OF ANCHOR BOLTS TO AVOID EXISTING REINFORCING CONFLICTS.

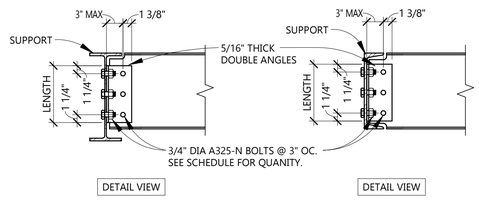
DOUBLE ANGLE CONNECTION SCHEDULE (UNMARKED)

BEAM SIZE	PLATE LENGTH "L"	NUMBER OF BOLTS "n"
W8, W10, MC8, C8, MC10, C10	5 1/2"	2
W12, W14, MC12, C12	8 1/2"	3

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

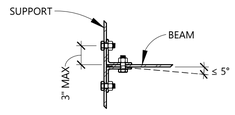
1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS w/ LARGER COPES.

NOTE: AT CONTRACTOR'S OPTION, WELDING MAY BE USED IN LIEU OF BOLTING AT ONE OR BOTH LEGS OF ANGLE. PROVIDE 1/4" FILLET WELDS FULL LENGTH OF ANGLE WITH MINIMUM 2" RETURN EACH END



DETAIL VIEW

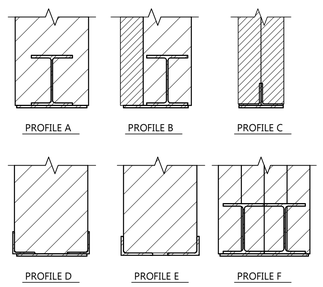
DETAIL VIEW



PLAN VIEW

STEEL LINTEL SCHEDULE

MARK	SIZE	BEARING LENGTH	PROFILE	REMARKS
S1	(2) - L3 x 2 1/2 x 1/4 LLV	6"	C	NO BOTTOM PLATE REQUIRED
S2	(2) - L4 x 3 x 5/16 LLV w/ 3/8" x 7" BOTTOM PLATE	6"	C	

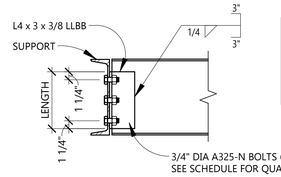


SINGLE ANGLE CONNECTION SCHEDULE (UNMARKED)

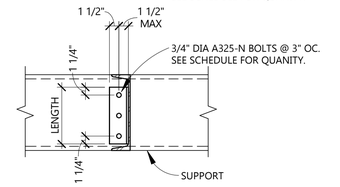
BEAM SIZE	ANGLE LENGTH "L"	NUMBER OF BOLTS "n"
W8, W10, MC8, C8, MC10, C10	5 1/2"	2
W12, W14, MC12, C12	8 1/2"	3

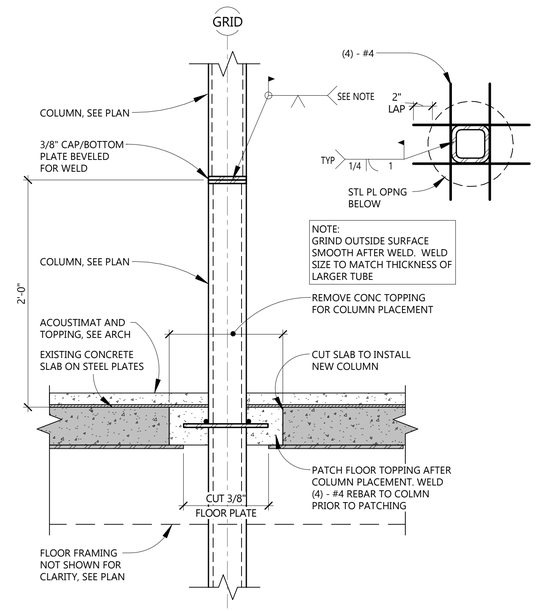
SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

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NOTE: AT CONTRACTOR'S OPTION, BOLTS MAY BE USED FOR BOTH LEGS OF ANGLE, MATCH BOLTING SHOWN. WELDS MAY BE USED FOR BOTH LEGS OF ANGLE, MATCH WELDING SHOWN.





1 S0.03 TYPICAL COLUMN SPLICE DETAIL
1 1/2" = 1'-0"

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CLIENT:
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575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NO	DATE	ISSUED FOR
	01/10/2020	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION

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Signature: David H. Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

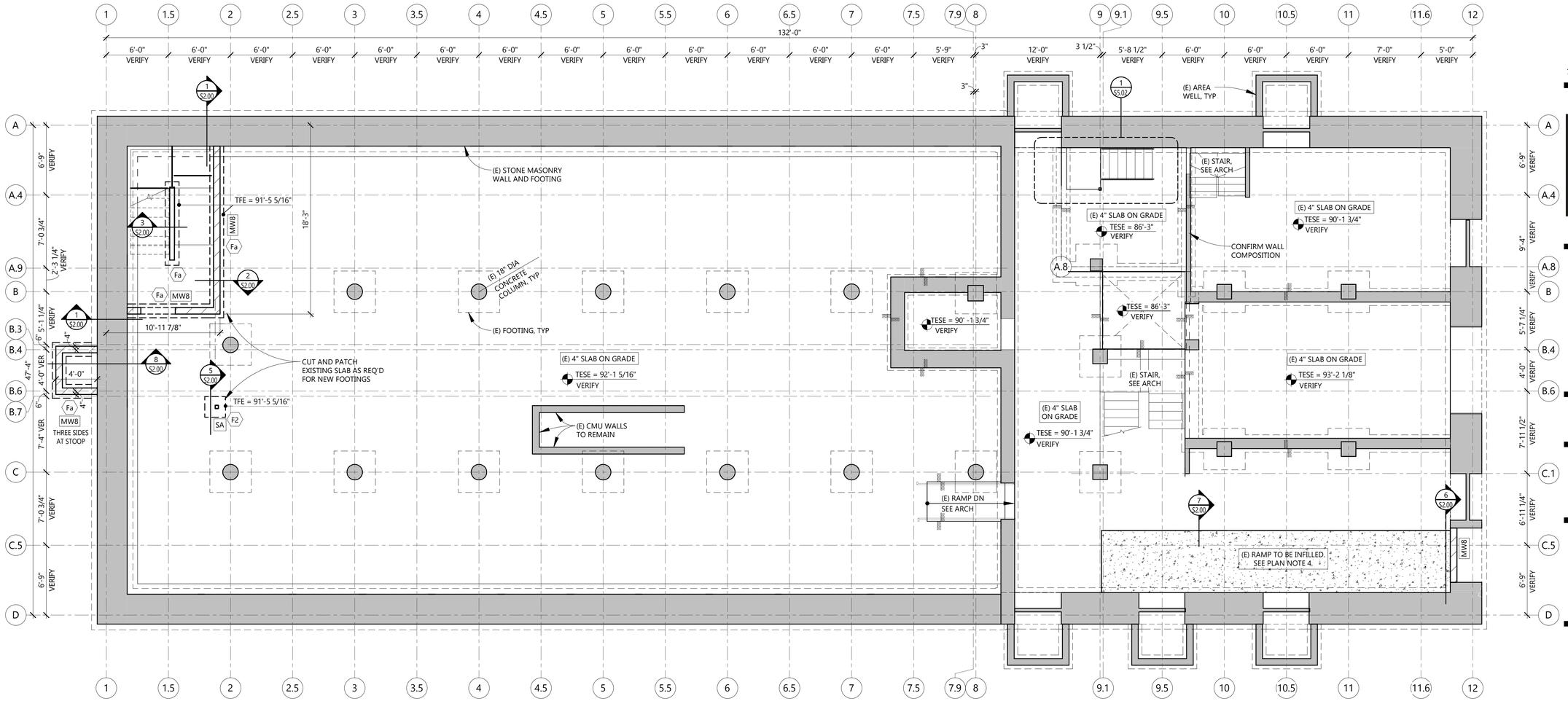
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
SCHEDULES

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S0.03**

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FOOTING AND FOUNDATION PLAN

1 / S1.00 — 3/16" = 1'-0"

NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. FLOOR ASSEMBLIES THIS LEVEL:
   A. AREAS NOT SHADED INDICATE EXISTING 4" THICK CONCRETE SLAB ON GRADE, TYPICAL UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DRAWINGS FOR SLOPED SLABS AND FLOOR DRAINS.
3. SEE SHEET S0.03 FOR SCHEDULES.
4. AREAS SHADED THUS: " " INDICATE 4" CONCRETE SLAB ON GEOFOAM FILL WITH WELDED WIRE FABRIC 6 x 6 - W1.4 x W1.4. SEE ARCH FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.

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612-827-7825 voice
612-827-0805 fax

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

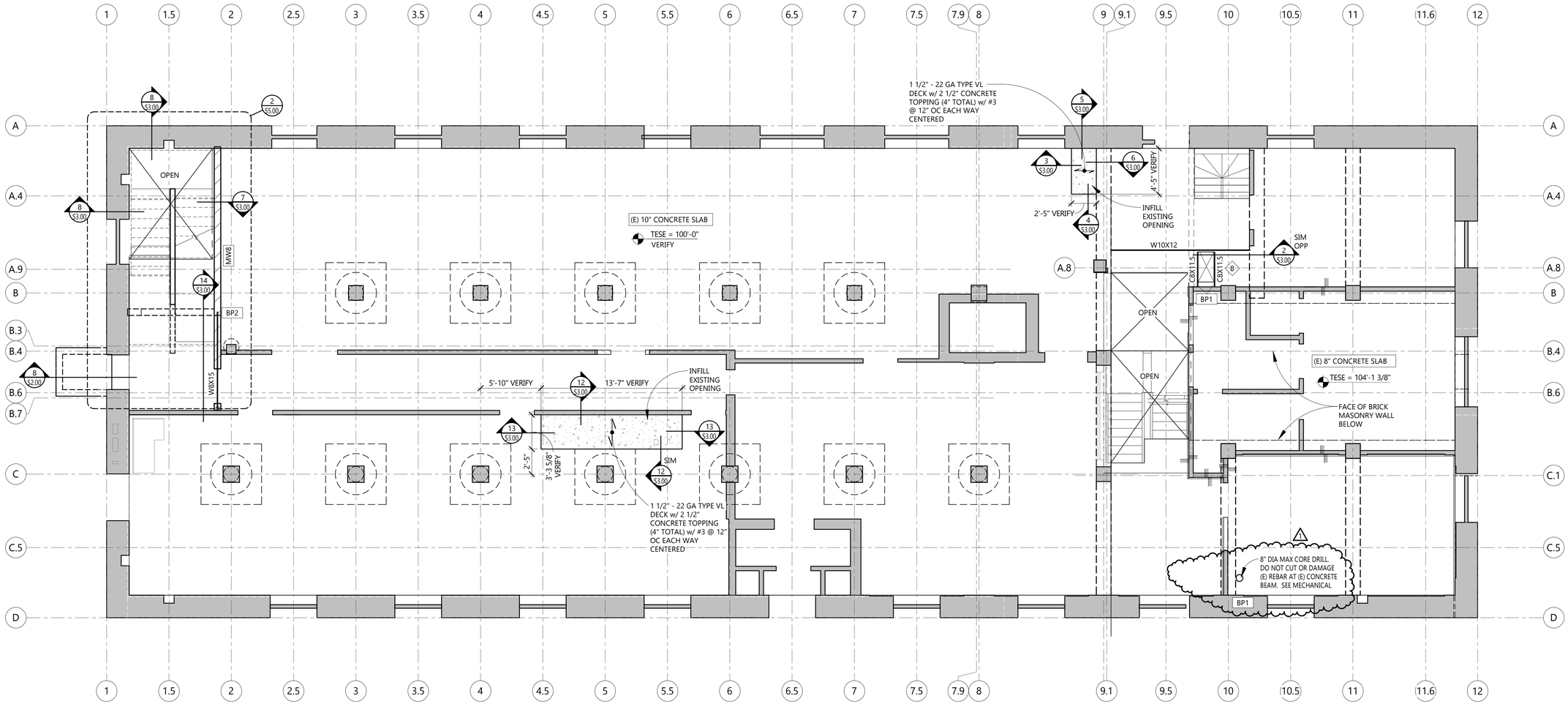
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
FOOTING AND FOUNDATION PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S1.00**

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7/1/2021 3:17:55 PM



1 S1.10 FIRST FLOOR FRAMING PLAN

3/16" = 1'-0"

NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. FLOOR ASSEMBLIES THIS LEVEL:
   A. AREAS NOT SHADED INDICATE EXISTING 10" THICK CONCRETE SLAB, TYPICAL UNLESS NOTED OTHERWISE.
2. SEE SHEET S0.03 FOR SCHEDULES.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.

KEYNOTES	
MARK	KEYNOTE
1	NEW FLOOR OPENING FOR MECHANICAL CHASE, SEE 2/S1.30. COORD w/ MECHANICAL
2	NEW LINTEL AT NEW OR ENLARGED CMU WALL OPENING BELOW
3	EXISTING WALL OPENING BELOW
4	NEW LINTEL IN NEW CMU BELOW
5	NEW CMU INFILL THIS LEVEL - REFER TO ARCH DRAWINGS FOR LIMITS
6	REINFORCE (2) EXISTING BUILT-UP BEAMS, SEE 9/S3.33
7	EXISTING BUILT-UP BEAMS TO REMAIN AS IS, NO REINFORCEMENT NECESSARY
8	NEW OPENING IN EXISTING CONCRETE SLAB. SEE 9/S3.00 AND 2/S1.20

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CLIENT:
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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

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Signature: David H. Macdonald

Typed or Printed Name: David H. Macdonald

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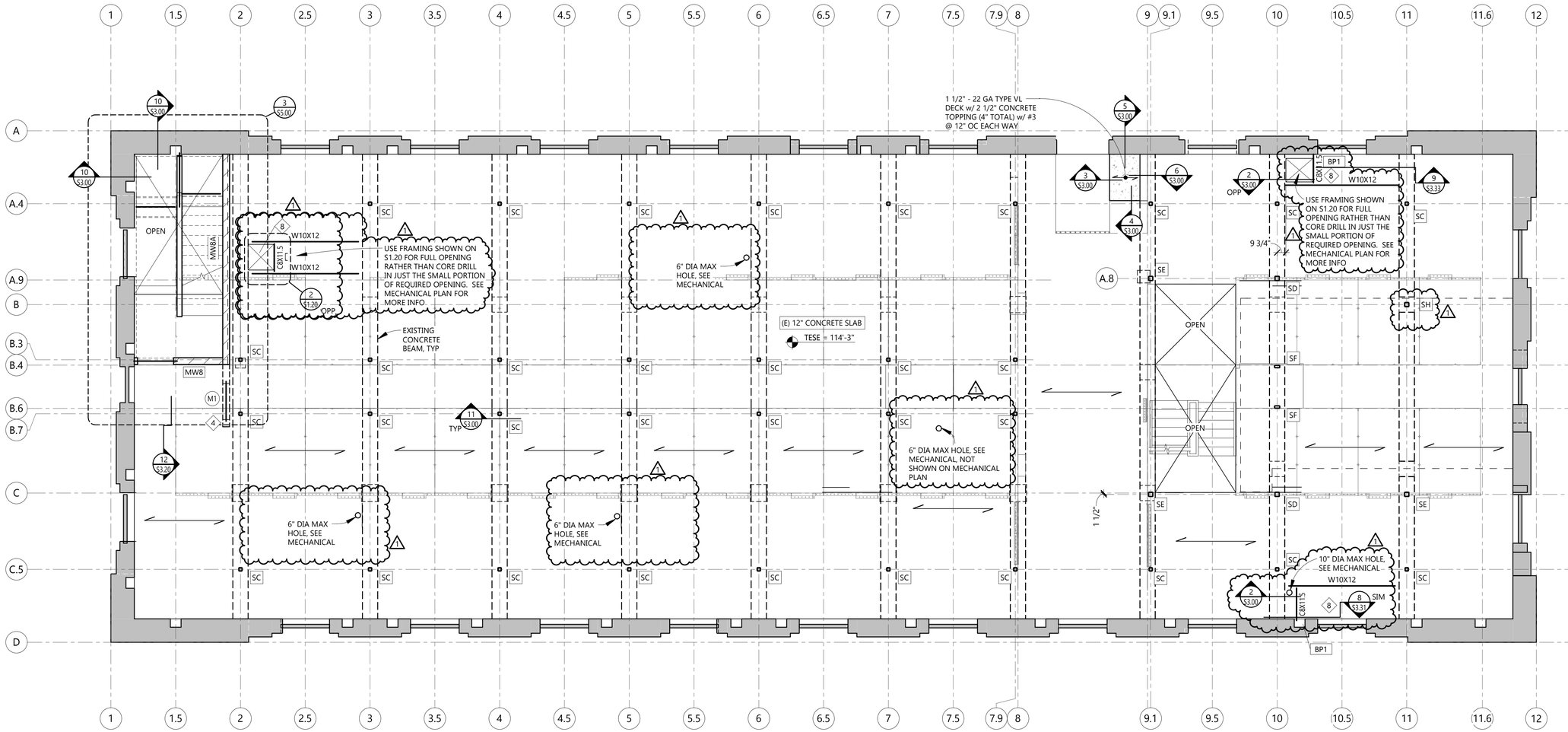
PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
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DRAWING TITLE:
FIRST FLOOR FRAMING PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

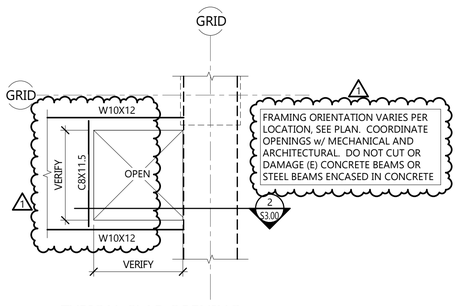
DRAWING NO: **S1.10**



1 SECOND FLOOR FRAMING PLAN
S1.20 — 3/16" = 1'-0"

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. FLOOR ASSEMBLIES THIS LEVEL:
   A. AREAS NOT SHADED INDICATE EXISTING 12" THICK CONCRETE, TYPICAL UNLESS NOTED OTHERWISE.
2. COLUMN MARKS SHOWN ON PLAN, THUS: " S- " INDICATE COLUMNS STARTING AT THIS LEVEL. SEE SHEET S0.03 FOR SCHEDULES.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.
4. " ◇ " INDICATES KEYNOTE. SEE KEYNOTE SCHEDULE THIS SHEET.
5. MARKS THUS " ——— " INDICATE SPAN DIRECTION OF EXISTING CONCRETE SLAB



2 TYPICAL SLAB OPENING NEAR EXISTING CONCRETE BEAM
S1.20 — 1/2" = 1'-0"

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. VERIFY DIMENSIONS WITH MECHANICAL CONTRACTOR.

KEYNOTES ◇	
MARK	KEYNOTE
1	NEW FLOOR OPENING FOR MECHANICAL CHASE, SEE 2/S1.30. COORD w/ MECHANICAL
2	NEW LINTEL AT NEW OR ENLARGED CMU WALL OPENING BELOW
3	EXISTING WALL OPENING BELOW
4	NEW LINTEL IN NEW CMU BELOW
5	NEW CMU INFILL THIS LEVEL - REFER TO ARCH DRAWINGS FOR LIMITS
6	REINFORCE (2) EXISTING BUILT-UP BEAMS, SEE 9/S3.33
7	EXISTING BUILT-UP BEAMS TO REMAIN AS IS, NO REINFORCEMENT NECESSARY
8	NEW OPENING IN EXISTING CONCRETE SLAB. SEE 9/S3.00 AND 2/S1.20

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Signature: David H Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
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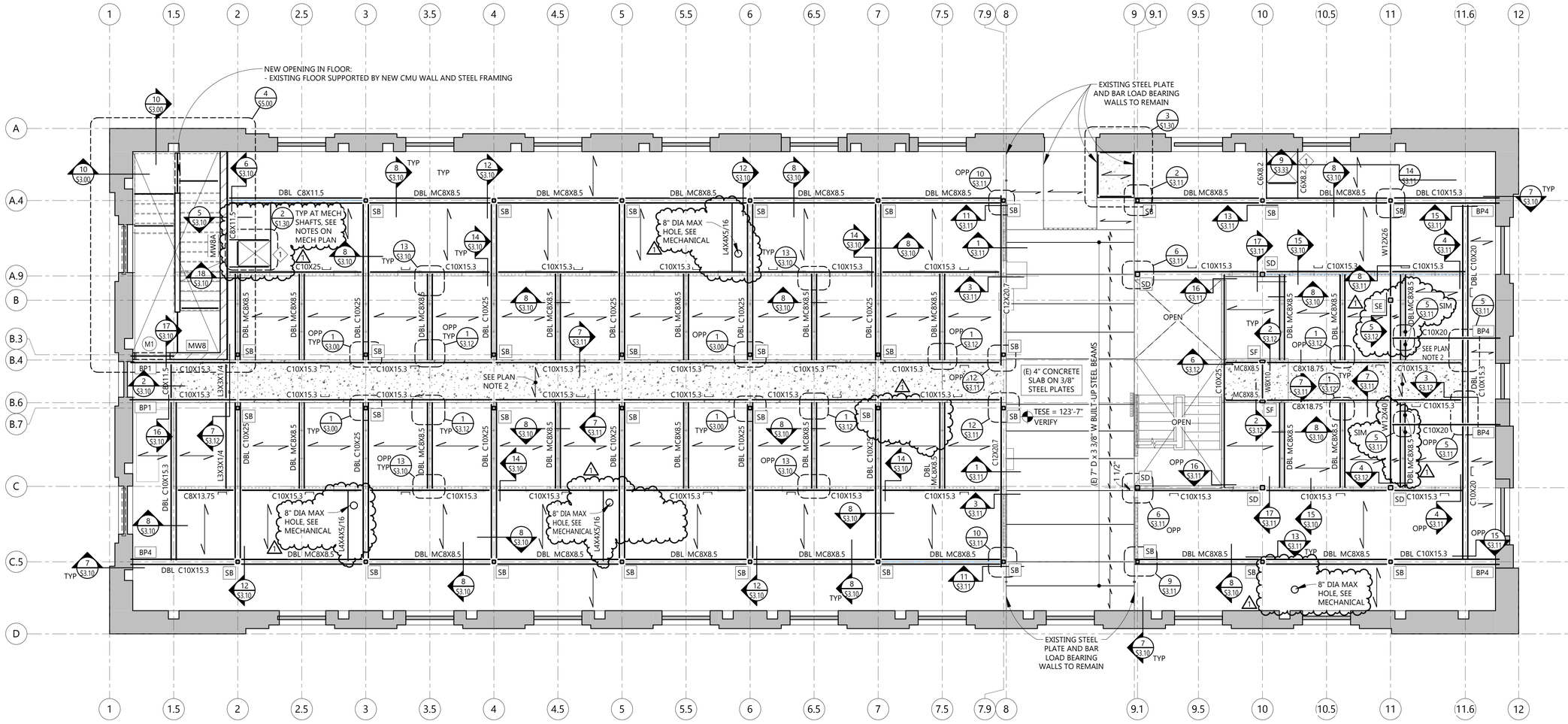
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
SECOND FLOOR FRAMING PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S1.20**

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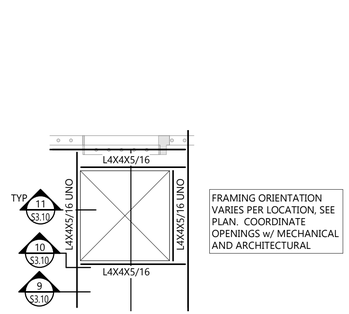
1 THIRD FLOOR FRAMING PLAN

S1.30 — 3/16" = 1'-0"

NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

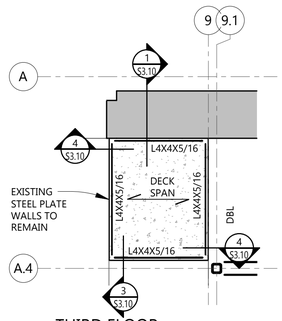
1. MARKS THUS " " INDICATE SPAN DIRECTION OF CONCRETE SLAB ON STEEL PLATES, TYPICAL UNLESS NOTED OTHERWISE.
2. FLOOR ASSEMBLIES THIS LEVEL:
   A. AREAS SHADED THUS: " " REMOVE EXISTING STEEL PLATE AND ANGLES AND REPLACE w/ 1.5 C20 METAL DECK w/ 4" CONCRETE (5 1/2" TOTAL) w/ 6 x 6 - W2.9 x W2.9
   B. AREAS NOT SHADED INDICATE EXISTING 4" THICK CONCRETE ON EXISTING 3/16" STEEL PLATE (4 3/16" +/- TOTAL THICKNESS, VERIFY), TYPICAL UNLESS NOTED OTHERWISE.
   C. SEE ARCH FOR RAMPS, SLOPES, AND FLOOR FINISH. CONFIRM FLOOR FINISH REQUIREMENTS w/ ARCHITECTURAL DRAWINGS.
3. COLUMN MARKS SHOWN ON PLAN, THUS: " " INDICATE COLUMNS STARTING AT THIS LEVEL. SEE SHEET S0.03 FOR SCHEDULES.
4. COLUMNS SPLICES AT 2'-0" ABOVE EXISTING CONCRETE FLOOR, TYPICAL UNLESS NOTED OTHERWISE, SEE .
5. CONTRACTOR SH-13/S3.11FY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.



2 TYPICAL MECHANICAL SHAFT FRAMING

S1.30 — 1/2" = 1'-0"

NOTE: WHEN ANY FRAMING MEMBER BEARS ON MASONRY WALL, USE C6 x 8.6 IN LIEU OF L4 AND PROVIDE BEARING PLATE TYPE BP1



3 THIRD FLOOR DUMBWAITER INFILL

S1.30 — 3/8" = 1'-0"

1 1/2" - 20 GA TYPE V DECK w/ 2 1/2" CONCRETE TOPPING (4" TOTAL) w/ #3 @ 12" OC EACH WAY

KEYNOTES	
MARK	KEYNOTE
1	NEW FLOOR OPENING FOR MECHANICAL CHASE, SEE 2/S1.30. COORD w/ MECHANICAL
2	NEW LINTEL AT NEW OR ENLARGED CMU WALL OPENING BELOW
3	EXISTING WALL OPENING BELOW
4	NEW LINTEL IN NEW CMU BELOW
5	NEW CMU INFILL THIS LEVEL - REFER TO ARCH DRAWINGS FOR LIMITS
6	REINFORCE (2) EXISTING BUILT-UP BEAMS, SEE 9/S3.33
7	EXISTING BUILT-UP BEAMS TO REMAIN AS IS, NO REINFORCEMENT NECESSARY
8	NEW OPENING IN EXISTING CONCRETE SLAB. SEE 9/S3.00 AND 2/S1.20

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PROJECT NAME:
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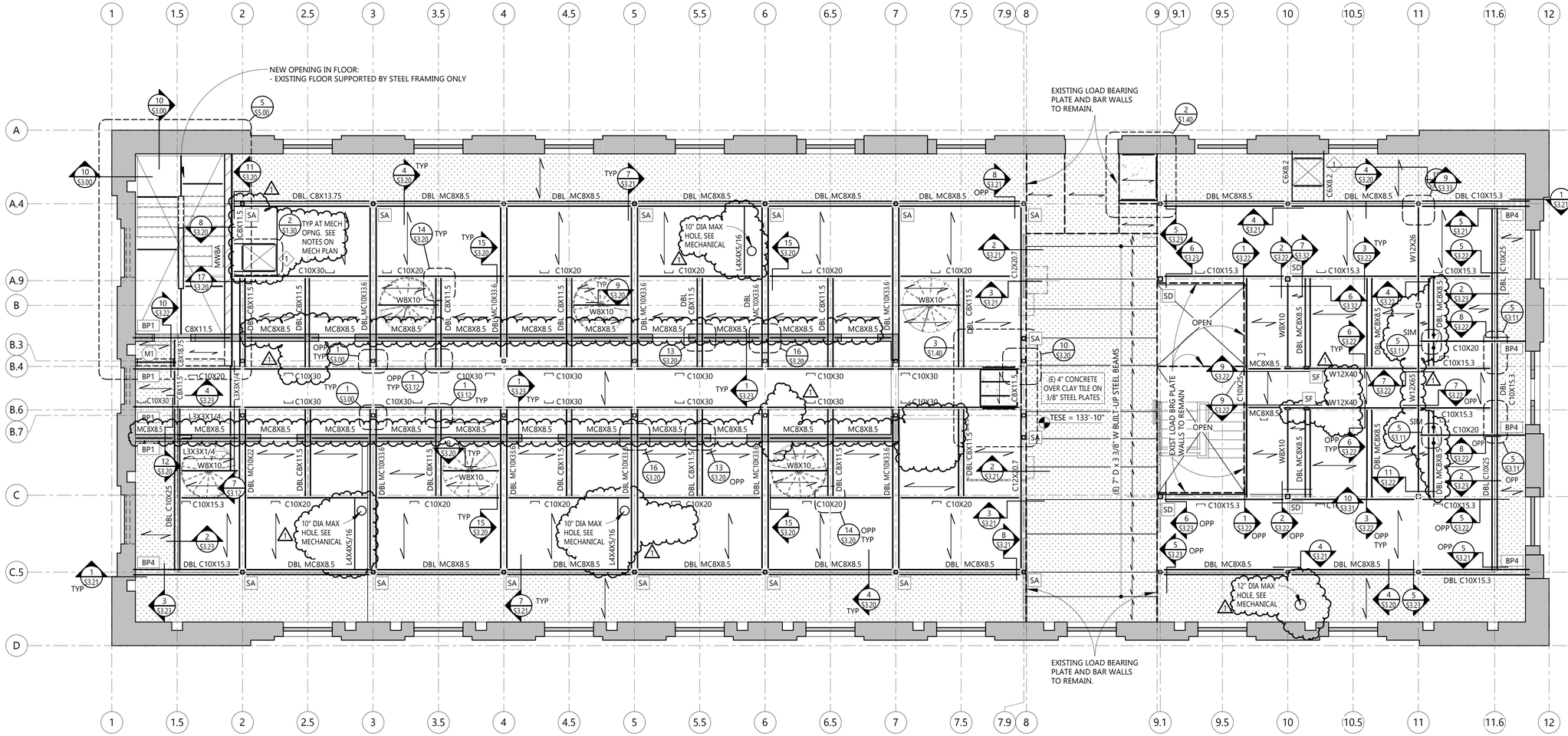
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
THIRD FLOOR FRAMING PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S1.30**

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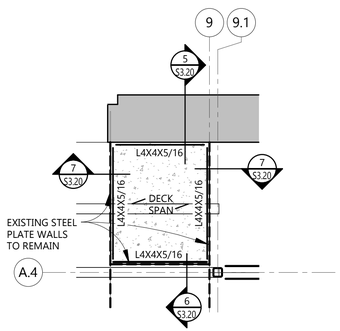
1 FOURTH FLOOR FRAMING PLAN
S1.40 — 3/16" = 1'-0"

NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

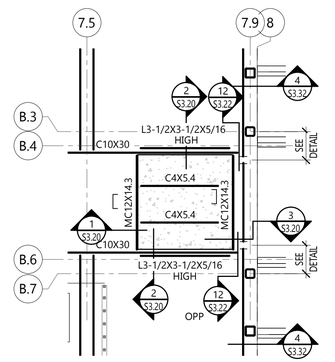
1. MARKS THUS " ——— " INDICATE SPAN DIRECTION OF EXISTING CONCRETE SLAB OVER CLAY TILE ON 3/8" STEEL PLATES.
2. FLOOR ASSEMBLIES THIS LEVEL:
   A. AREAS SHADED THUS: " ▨ " INDICATE EXISTING 4" THICK CONCRETE OVER CLAY TILE ON STEEL PLATE (9" TOTAL THICKNESS, VERIFY).
   B. AREAS NOT SHADED INDICATE EXISTING 4" THICK CONCRETE OVER CLAY TILE ON STEEL PLATE (16" TOTAL THICKNESS, VERIFY), TYPICAL UNLESS NOTED OTHERWISE.

   CONFIRM FLOOR FINISH w/ ARCHITECTURAL DRAWINGS.
3. COLUMN MARKS SHOWN ON PLAN, THUS: " S- " INDICATE COLUMNS STARTING AT THIS LEVEL. SEE SHEET S0.03 FOR SCHEDULES.
4. " BP- " INDICATES BEARING PLATE. SEE SCHEDULE ON SHEET S0.03.
5. " ◇- " INDICATES KEYNOTE. SEE KEYNOTE SCHEDULE THIS SHEET.
6. REFER TO SHEET S6.00 FOR GENERAL NOTES AND SUGGESTED PROCEDURE FOR NEW FRAMING SYSTEM.
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.



2 FOURTH FLOOR DUMBWAITER INFILL
S1.40 — 3/8" = 1'-0"

1 1/2" - 20 GA TYPE V DECK w/ 2 1/2" TOPPING (4" TOTAL) w/ #3 @ 12" OC EACH WAY.



3 FOURTH FLOOR CORRIDOR INFILL
S1.40 — 3/8" = 1'-0"

1 1/2" - 22 GA. TYPE V DECK w/ 2 1/2" CONCRETE TOPPING (4" TOTAL) w/ #3 @ 16" OC EACH WAY CENTERED IN SLAB.

KEYNOTES ◇	
MARK	KEYNOTE
1	NEW FLOOR OPENING FOR MECHANICAL CHASE, SEE 2/S1.30. COORD w/ MECHANICAL
2	NEW LINTEL AT NEW OR ENLARGED CMU WALL OPENING BELOW
3	EXISTING WALL OPENING BELOW
4	NEW LINTEL IN NEW CMU BELOW
5	NEW CMU INFILL THIS LEVEL - REFER TO ARCH DRAWINGS FOR LIMITS
6	REINFORCE (2) EXISTING BUILT-UP BEAMS, SEE 9/S3.33
7	EXISTING BUILT-UP BEAMS TO REMAIN AS IS, NO REINFORCEMENT NECESSARY
8	NEW OPENING IN EXISTING CONCRETE SLAB. SEE 9/S3.00 AND 2/S1.20

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PROJECT NAME:
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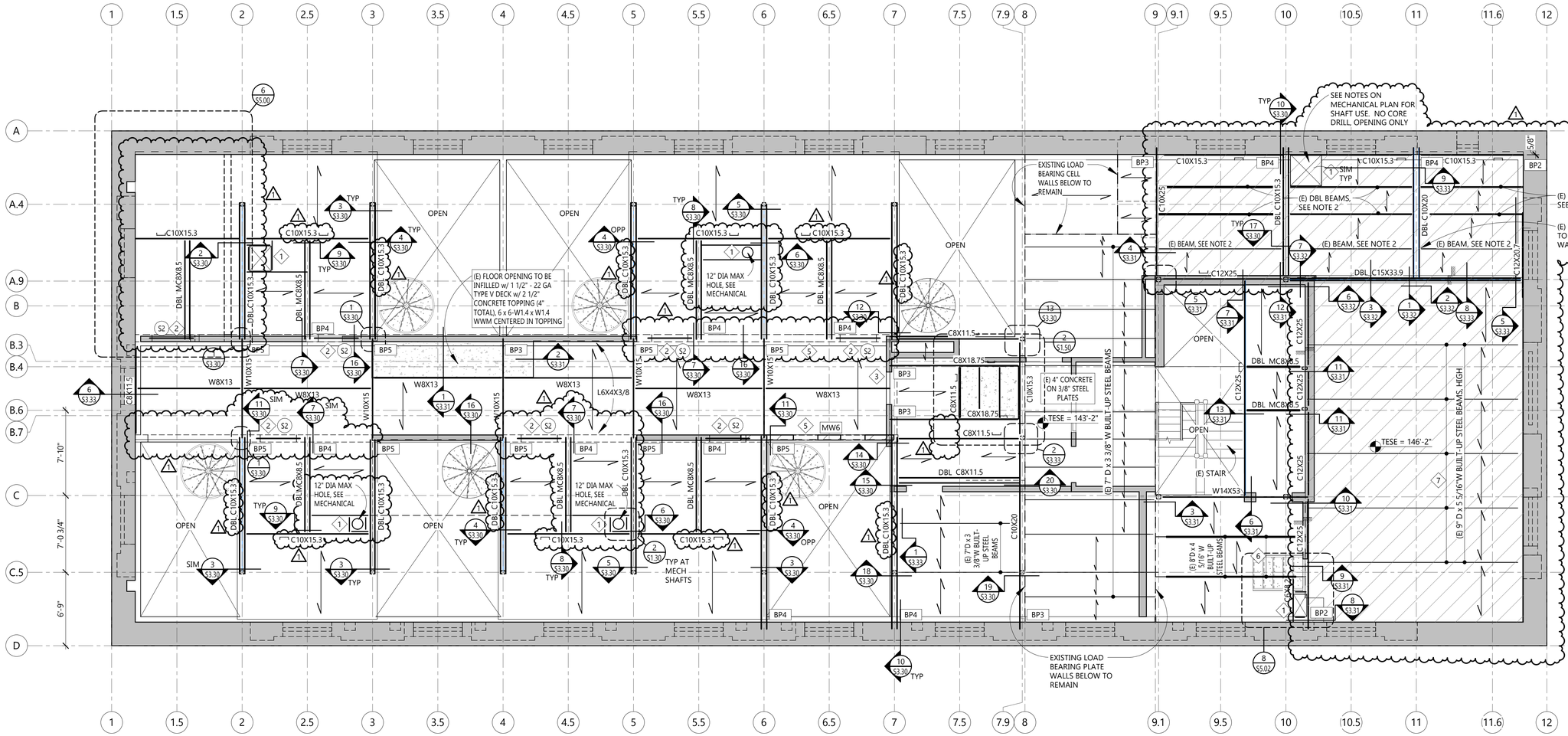
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DRAWING TITLE:
FOURTH FLOOR FRAMING PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S1.40**

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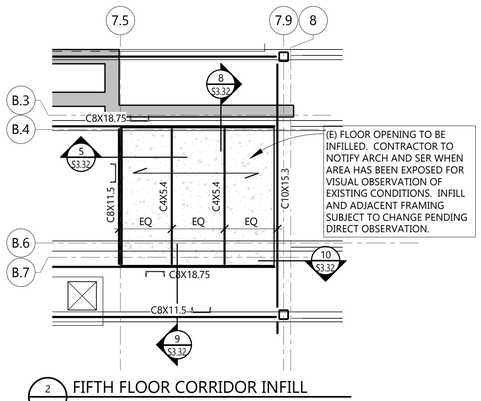


1 FIFTH FLOOR FRAMING PLAN

S1.50 — 3/16" = 1'-0"

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. MARKS THUS " ——— " INDICATE SPAN DIRECTION OF EXISTING 4" CONCRETE SLAB ON 3/8" STEEL PLATES. TOP OF EXISTING SLAB ELEVATION = 143'-2", VERIFY, TYPICAL UNLESS NOTED OTHERWISE.
2. AREA SHOWN THUS:" ▨ " INDICATES EXISTING FLOOR FRAMING CURRENTLY HIDDEN BY EXISTING CEILING FINISHES. CONTRACTOR TO NOTIFY ARCH AND SER WHEN AREA HAS BEEN EXPOSED FOR VISUAL OBSERVATION OF EXISTING CONDITIONS. ADDITIONAL FRAMING AND REINFORCEMENT POSSIBLE PENDING DIRECT OBSERVATION.
3. COLUMN MARKS SHOWN ON PLAN, THUS: " S- " INDICATE COLUMNS STARTING AT THIS LEVEL. SEE SHEET S0.03 FOR SCHEDULES.
4. " BP- " INDICATES BEARING PLATE. SEE SCHEDULE ON SHEET S0.03.
5. " - " INDICATES LINTEL OVER OPENING BELOW THIS LEVEL. SEE SCHEDULE ON SHEET S0.03.
6. " MW- " INDICATES NEW MASONRY WALL THIS LEVEL. SEE SCHEDULE ON SHEET S0.03.
7. " ◇ " INDICATES KEYNOTE. SEE KEYNOTE SCHEDULE THIS SHEET.
8. REFER TO SHEET S6.00 FOR GENERAL NOTES AND SUGGESTED PROCEDURE FOR NEW FRAMING SYSTEM.
9. CONFIRM FLOOR FINISH REQUIREMENTS w/ ARCHITECTURAL DRAWINGS.
10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.



2 FIFTH FLOOR CORRIDOR INFILL

S1.50 — 3/8" = 1'-0"

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. 1 1/2" 20 GA TYPE V DECK w/ 2 1/2" CONCRETE TOPPING (4" TOTAL THICKNESS). REINF w/ #3 @ 16" OC EACH WAY CENTERED IN TOPPING.

KEYNOTES ◇	
MARK	KEYNOTE
1	NEW FLOOR OPENING FOR MECHANICAL CHASE, SEE 2/S1.30. COORD w/ MECHANICAL
2	NEW LINTEL AT NEW OR ENLARGED CMU WALL OPENING BELOW
3	EXISTING WALL OPENING BELOW
4	NEW LINTEL IN NEW CMU BELOW
5	NEW CMU INFILL THIS LEVEL - REFER TO ARCH DRAWINGS FOR LIMITS
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7	EXISTING BUILT-UP BEAMS TO REMAIN AS IS, NO REINFORCEMENT NECESSARY
8	NEW OPENING IN EXISTING CONCRETE SLAB. SEE 9/S3.00 AND 2/S1.20

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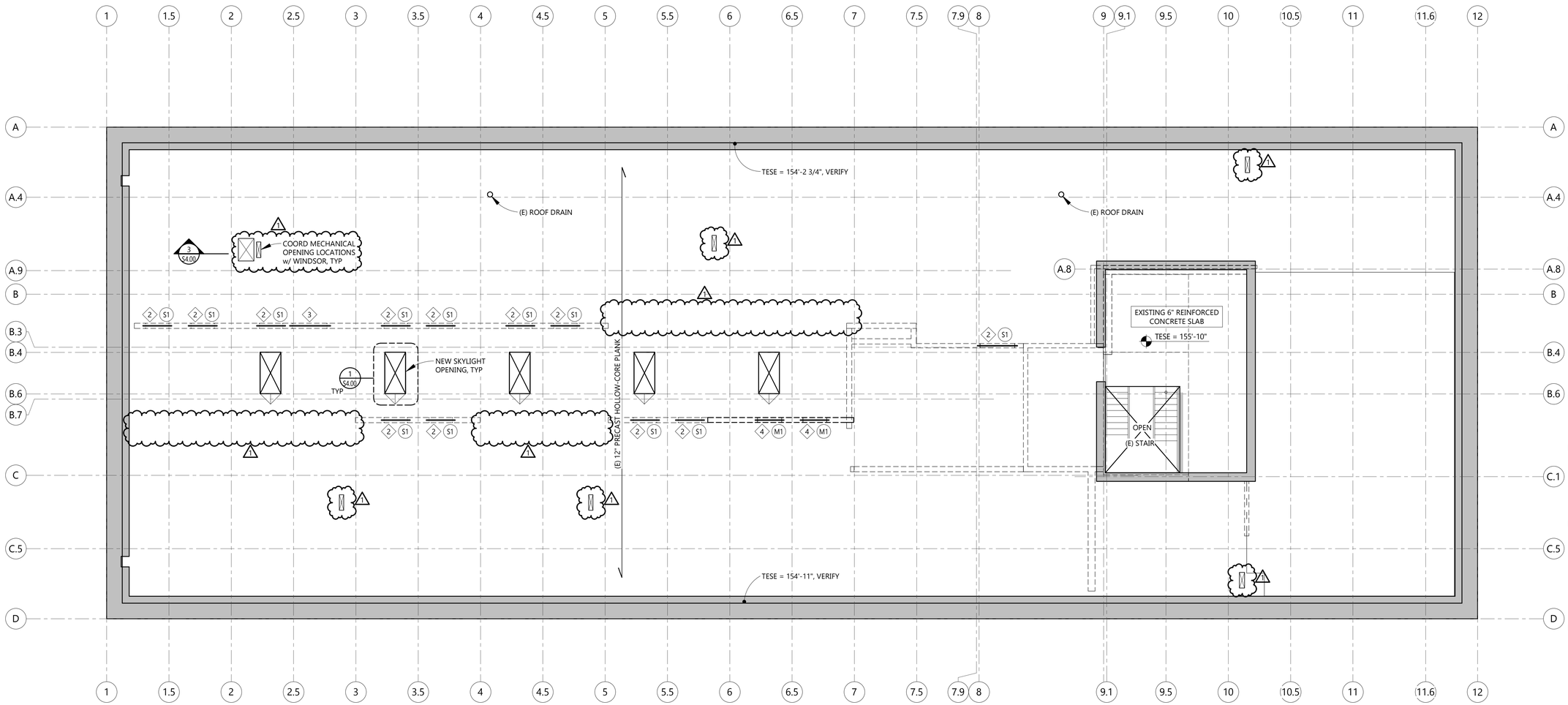
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
FIFTH FLOOR FRAMING PLAN

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S1.50**

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1 ROOF FRAMING PLAN
1 S1.60 — 3/16" = 1'-0"

NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. FLOOR ASSEMBLIES THIS LEVEL:
   A. AREAS NOT SHADED INDICATE EXISTING 12" THICK PRECAST CONCRETE PLANK, TYPICAL UNLESS NOTED OTHERWISE.
2. MARKS THUS: " ◇ " INDICATE KEYNOTES. REFER TO KEYNOTE SCHEDULE THIS SHEET.
3. MARKS THUS: " - " INDICATE NEW LINTEL OVER OPENING BELOW. REFER TO SCHEDULE ON SHEET S0.03.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.

KEYNOTES ◇	
MARK	KEYNOTE
1	NEW FLOOR OPENING FOR MECHANICAL CHASE, SEE 2/S1.30. COORD w/ MECHANICAL
2	NEW LINTEL AT NEW OR ENLARGED CMU WALL OPENING BELOW
3	EXISTING WALL OPENING BELOW
4	NEW LINTEL IN NEW CMU BELOW
5	NEW CMU INFILL THIS LEVEL - REFER TO ARCH DRAWINGS FOR LIMITS
6	REINFORCE (2) EXISTING BUILT-UP BEAMS, SEE 9/S3.33
7	EXISTING BUILT-UP BEAMS TO REMAIN AS IS, NO REINFORCEMENT NECESSARY
8	NEW OPENING IN EXISTING CONCRETE SLAB. SEE 9/S3.00 AND 2/S1.20

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Mattson Macdonald Young structural engineers
Bassett Creek Business Center
901 North 3rd Street, Suite 100
Minneapolis, MN 55401
612-827-7825 voice
612-827-0805 fax

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

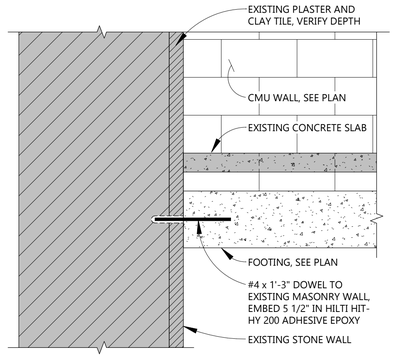
521 W. 2nd Street
Duluth, MN 55802

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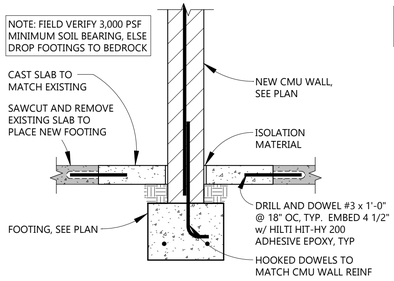
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CHECKED BY: DHM
PROJ. NO: 18531

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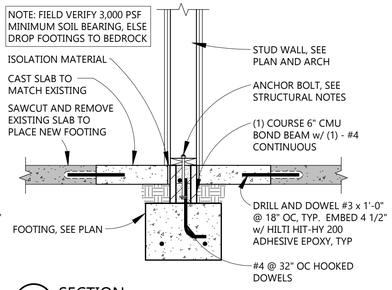
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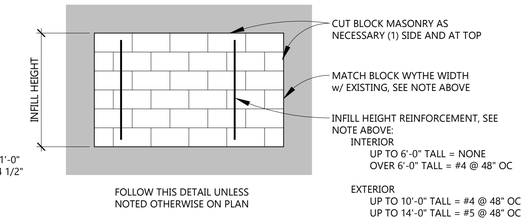
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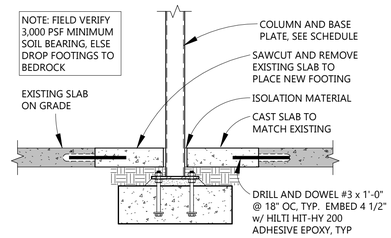
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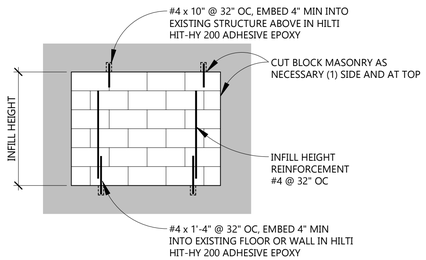
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3/4" = 1'-0"



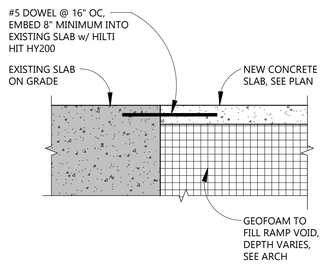
4 S2.00 TYPICAL EXISTING CMU WALL OPENING INFILL ELEVATION
3/8" = 1'-0"



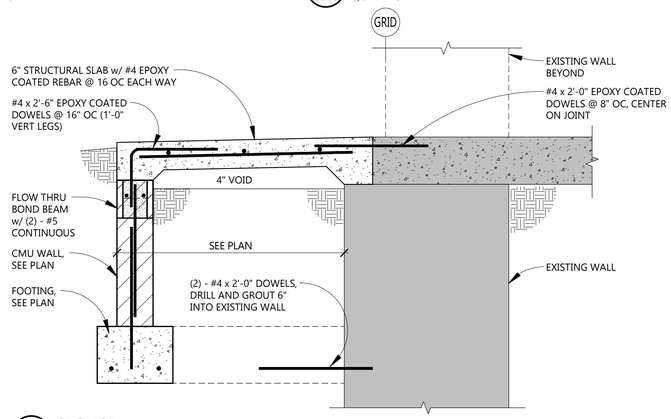
5 S2.00 SECTION
3/4" = 1'-0"



6 S2.00 EXISTING CMU WALL OPENING INFILL ELEVATION
3/8" = 1'-0"



7 S2.00 SECTION
3/4" = 1'-0"



8 S2.00 SECTION
3/4" = 1'-0"

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Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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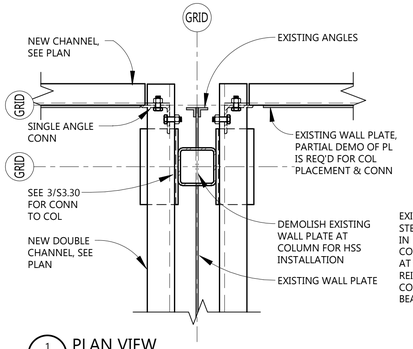
PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

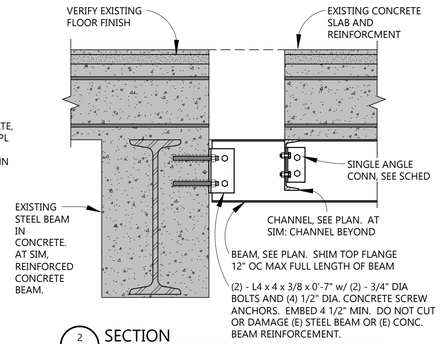
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DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

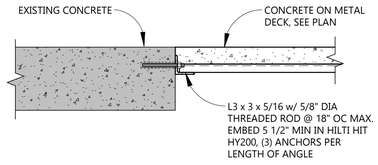
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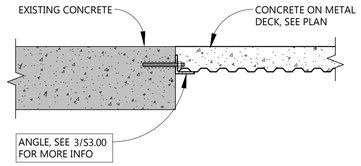
1 S3.00 PLAN VIEW
1 1/2" = 1'-0"



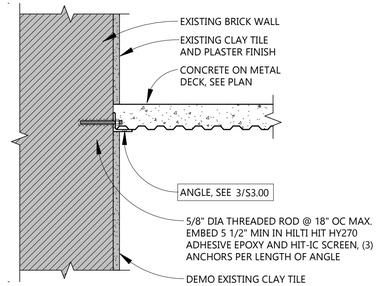
2 S3.00 SECTION
1" = 1'-0"



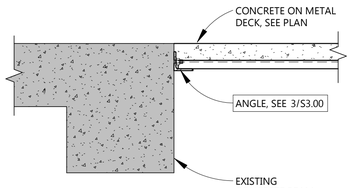
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1" = 1'-0"



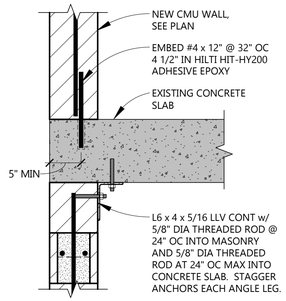
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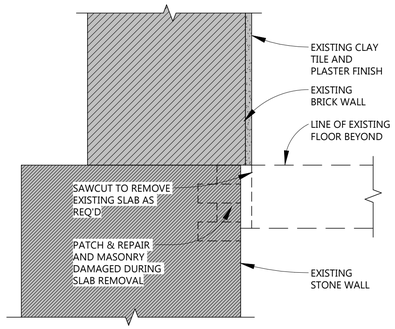
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1" = 1'-0"



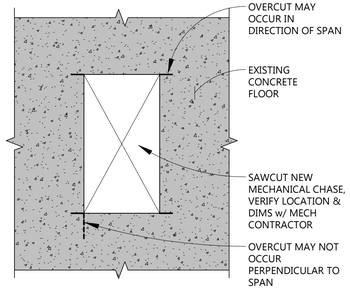
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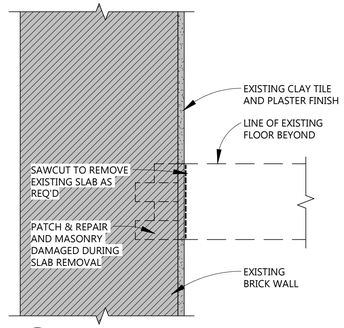
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1" = 1'-0"



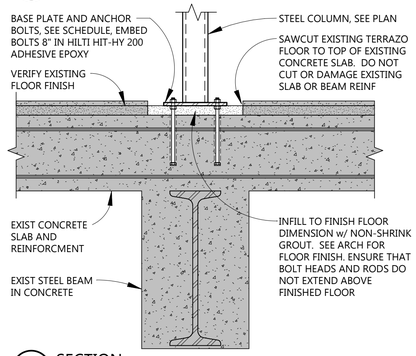
8 S3.00 SECTION
1" = 1'-0"



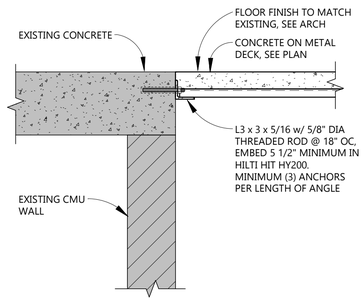
9 S3.00 PLAN VIEW - NEW MECH OPENING
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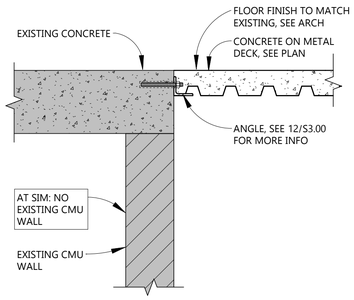
10 S3.00 SECTION
1" = 1'-0"



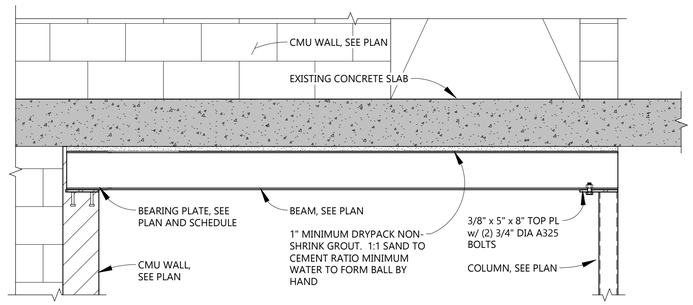
11 S3.00 SECTION
1" = 1'-0"



12 S3.00 SECTION
1" = 1'-0"



13 S3.00 SECTION
1" = 1'-0"



14 S3.00 SECTION
3/4" = 1'-0"

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Date: 01-10-2020 Reg. No.: 14751

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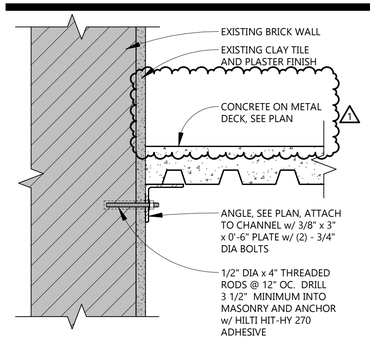
PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

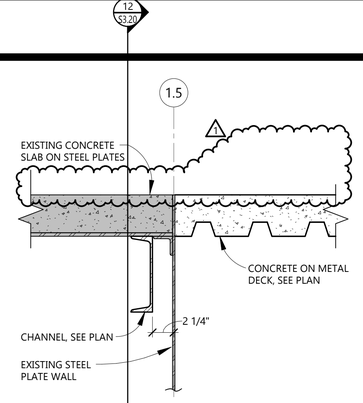
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DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

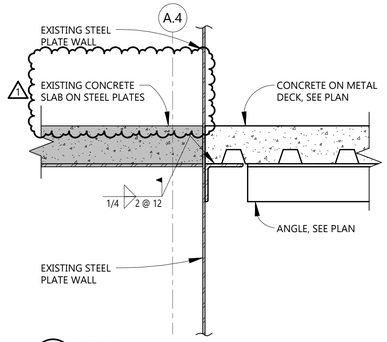
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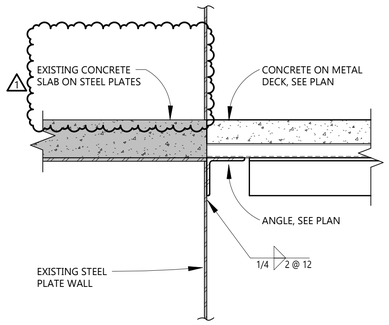
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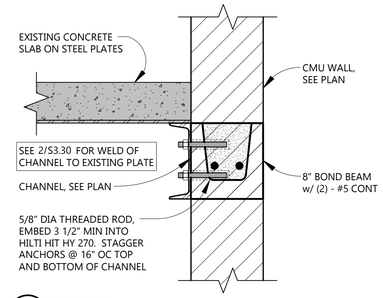
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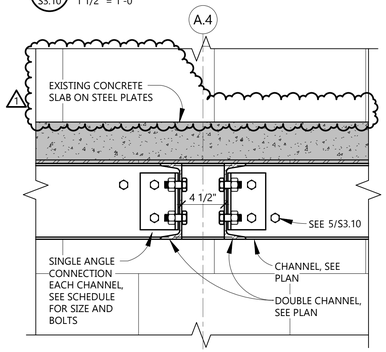
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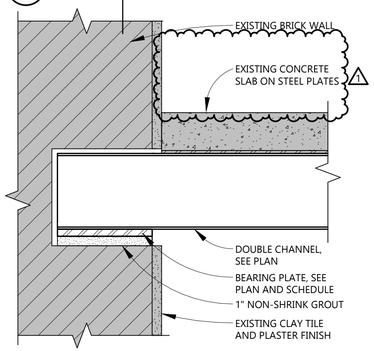
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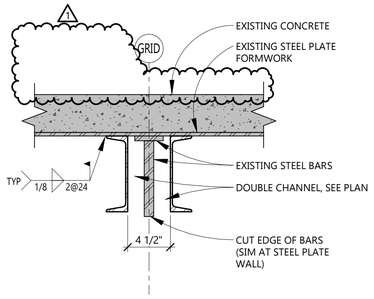
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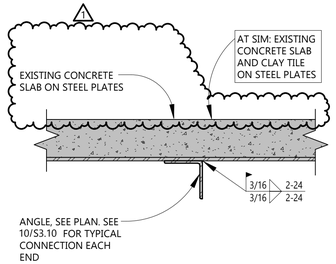
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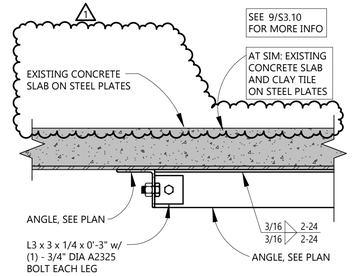
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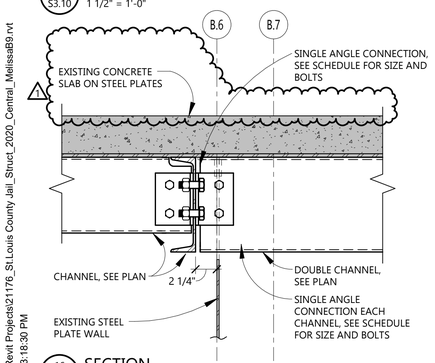
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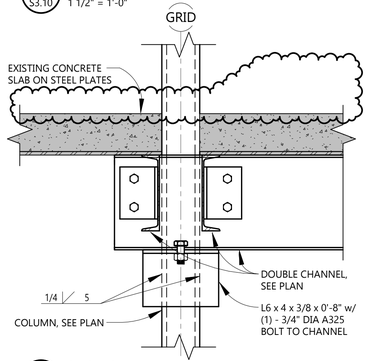
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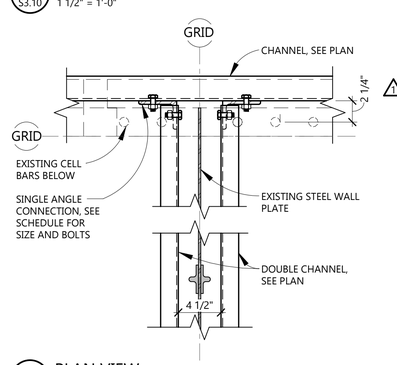
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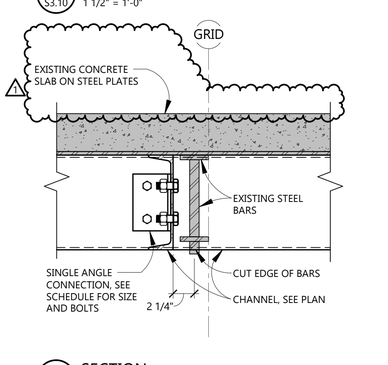
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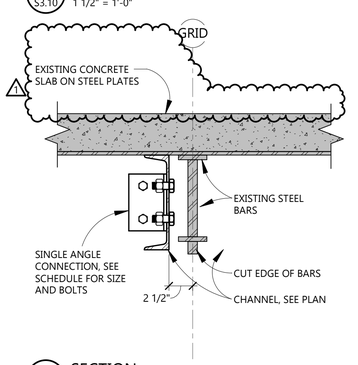
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13 S3.10 PLAN VIEW 1 1/2" = 1'-0"

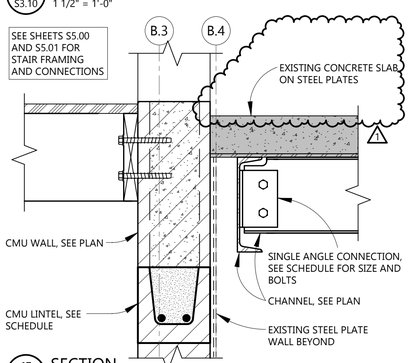


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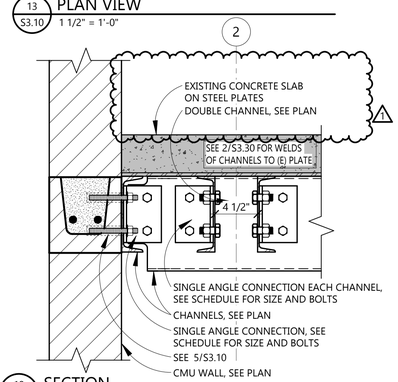


15 S3.10 SECTION 1 1/2" = 1'-0"

16 S3.10 SECTION 1 1/2" = 1'-0"



17 S3.10 SECTION 1 1/2" = 1'-0"



18 S3.10 SECTION 1 1/2" = 1'-0"

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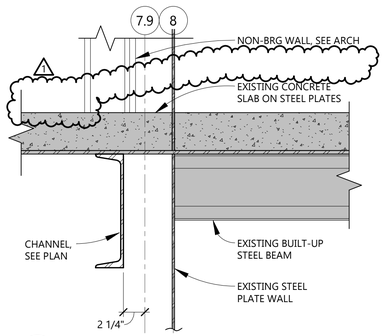
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
THIRD FLOOR FRAMING SECTIONS AND DETAILS

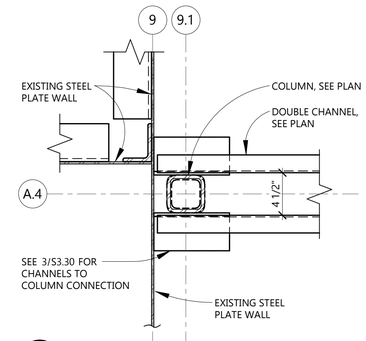
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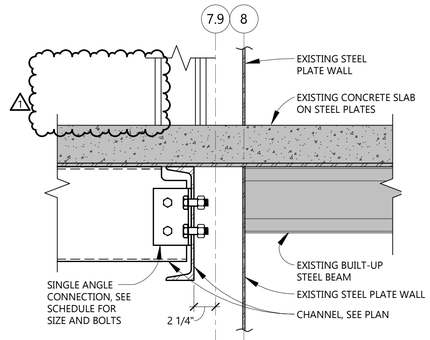
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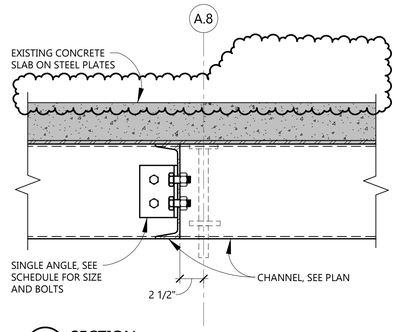
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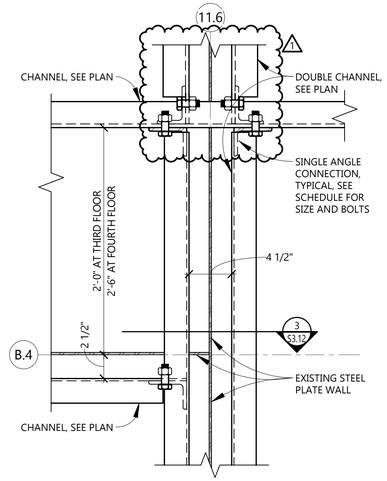
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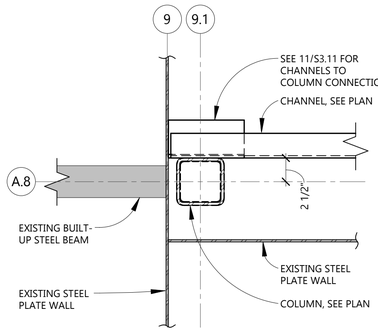
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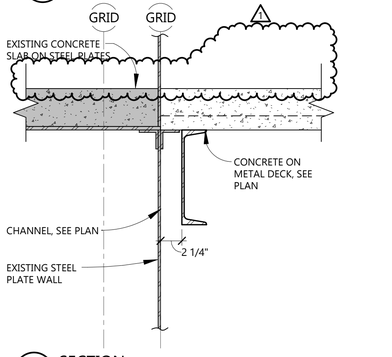
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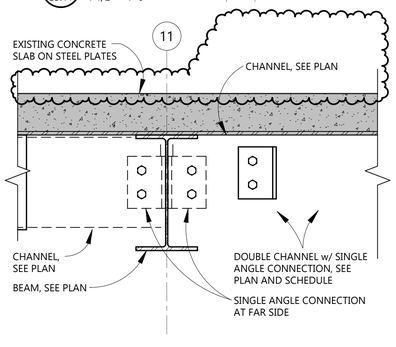
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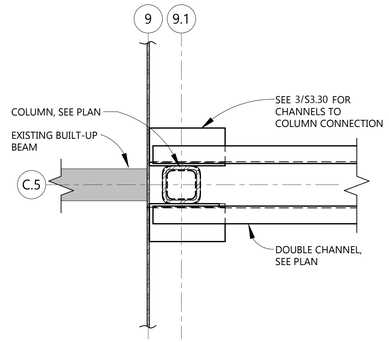
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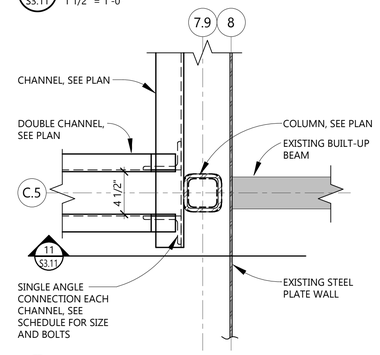
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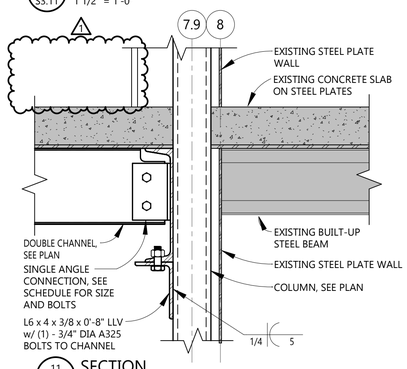
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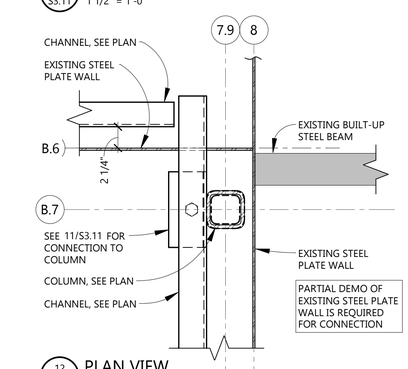
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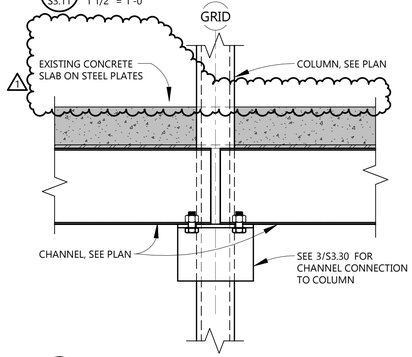
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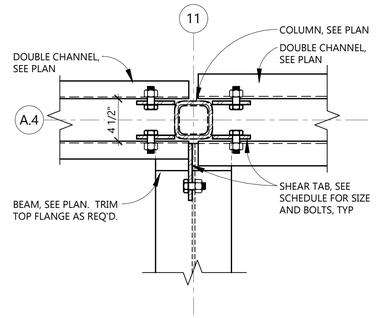
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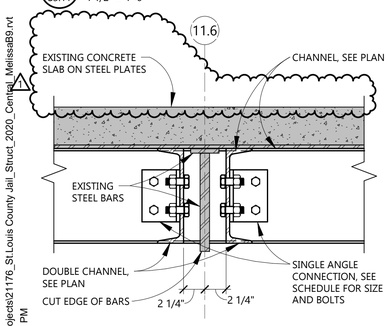
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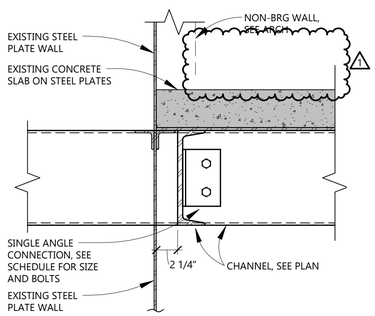
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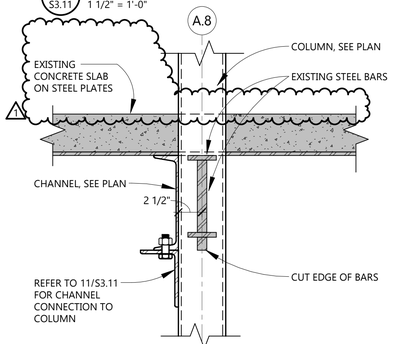
14 S3.11 PLAN VIEW 1 1/2" = 1'-0"



15 S3.11 SECTION 1 1/2" = 1'-0"



16 S3.11 SECTION 1 1/2" = 1'-0"



17 S3.11 SECTION 1 1/2" = 1'-0"

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Mattson Macdonald Young structural engineers
Bassett Creek Business Center
901 North 3rd Street, Suite 100
Minneapolis, MN 55401
612-827-7825 voice
612-827-0805 fax

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NO	DATE	ISSUED FOR
	01/10/2020	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H. Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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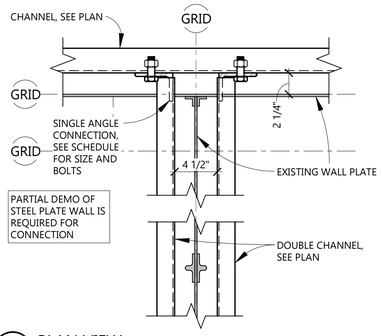
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The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

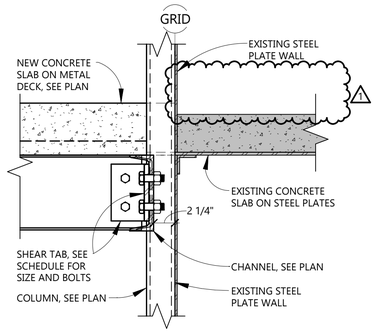
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DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

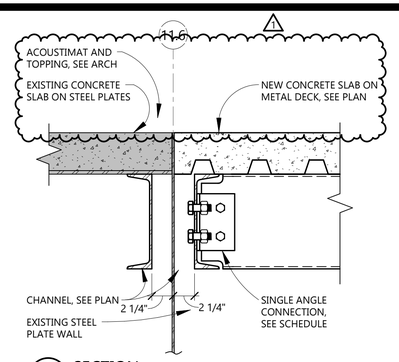
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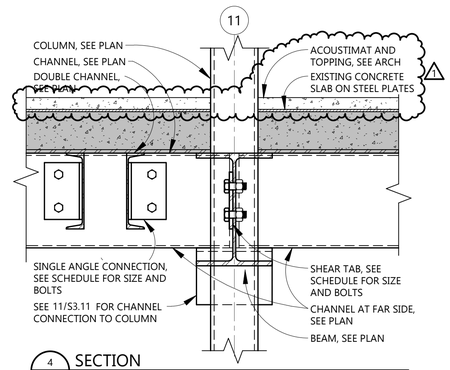
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1 1/2" = 1'-0"



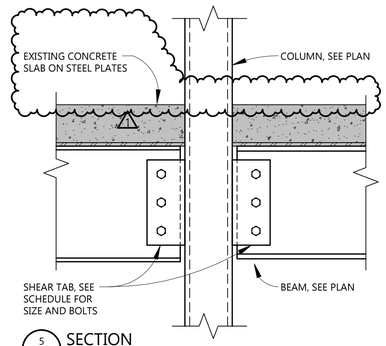
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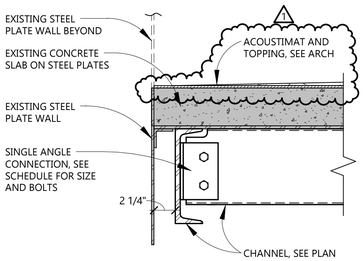
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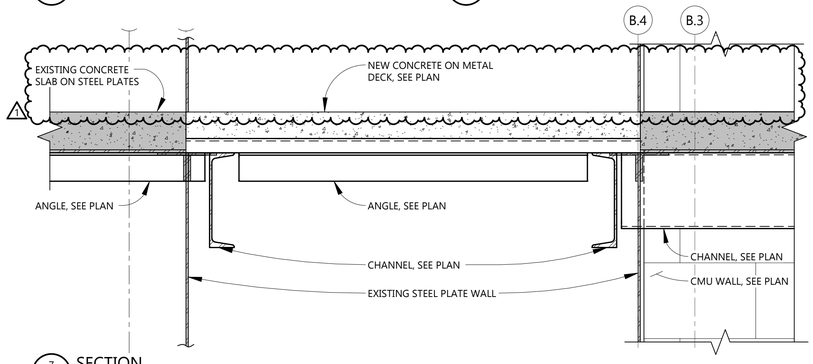
4 S3.12 SECTION
1 1/2" = 1'-0"



5 S3.12 SECTION
1 1/2" = 1'-0"



6 S3.12 SECTION
1 1/2" = 1'-0"



7 S3.12 SECTION
1 1/2" = 1'-0"

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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H Macdonald
Typed or Printed Name: David H. Macdonald
Date: 01-10-2020 Reg. No.: 14751

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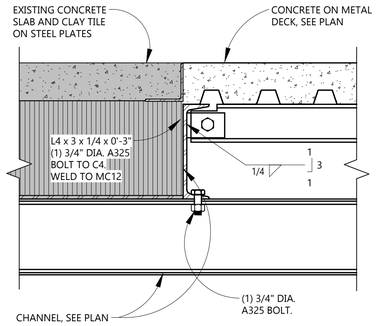
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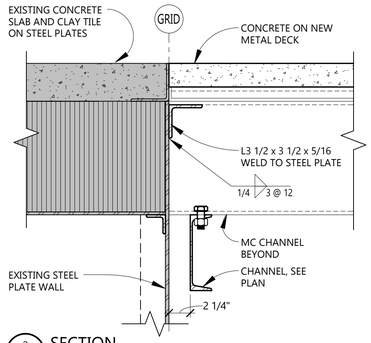
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THIRD FLOOR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
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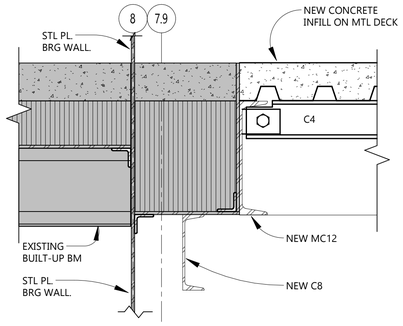
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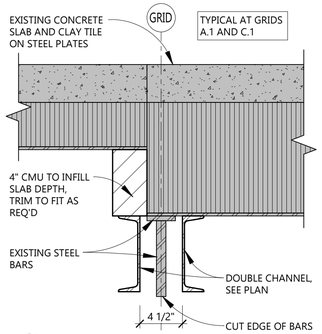
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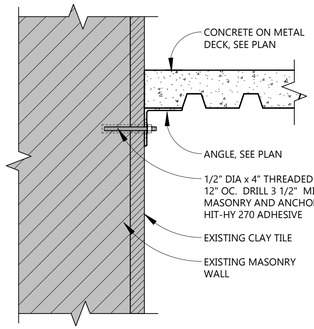
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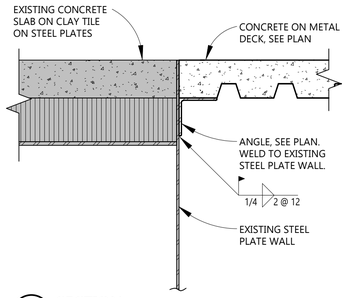
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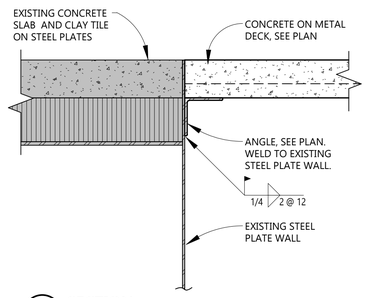
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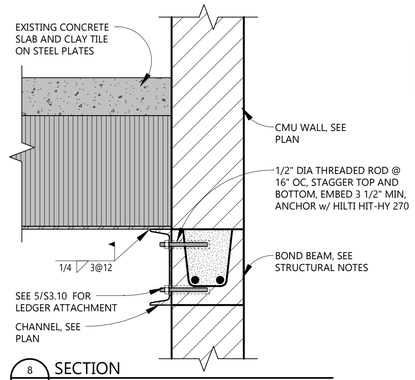
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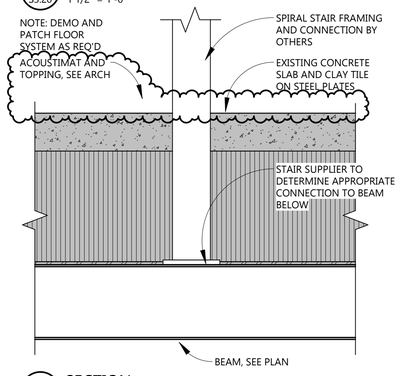
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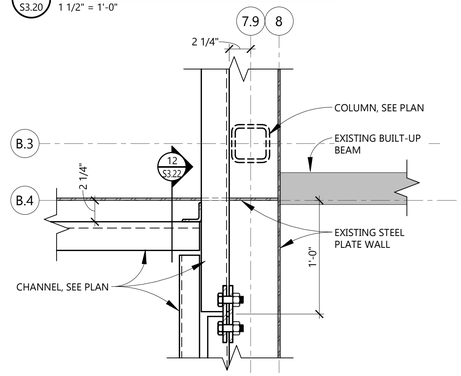
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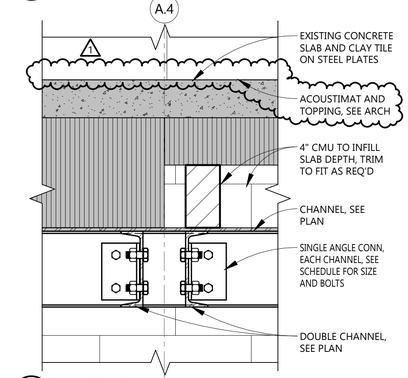
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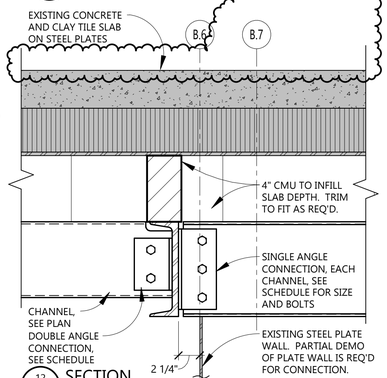
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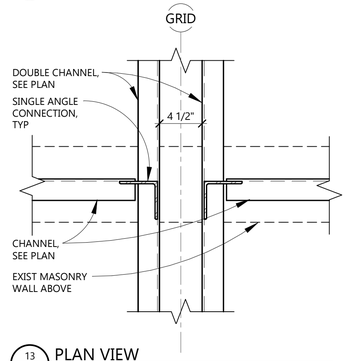
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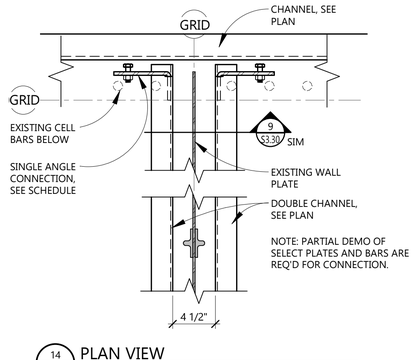
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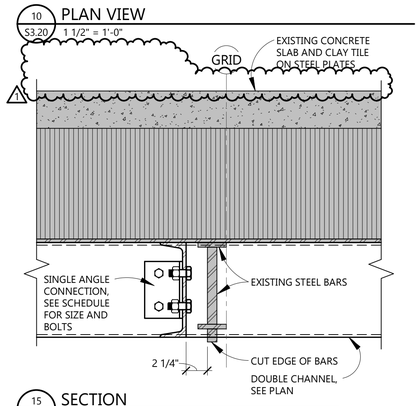
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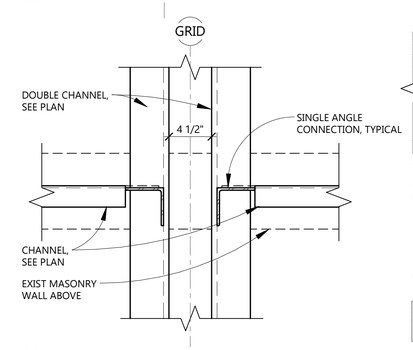
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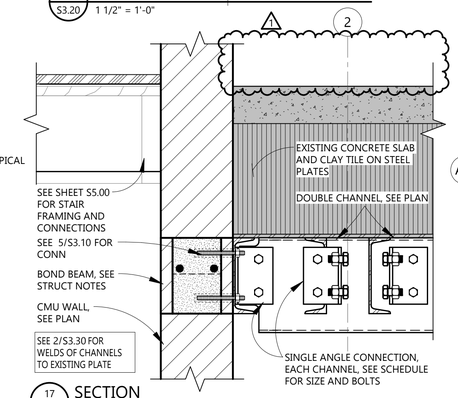
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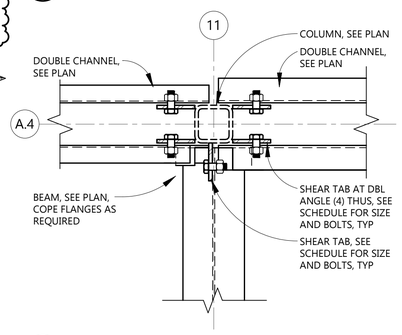
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16 S3.20 PLAN VIEW 1 1/2" = 1'-0"



17 S3.20 SECTION 1 1/2" = 1'-0"



18 S3.20 PLAN VIEW 1 1/2" = 1'-0"

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Signature: David H. Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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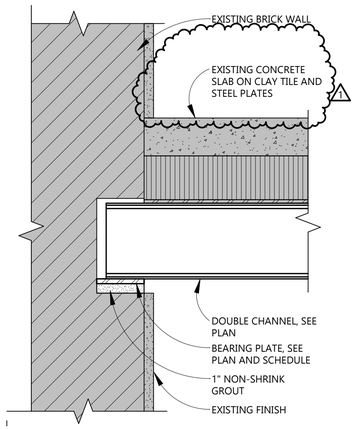
PROJECT NAME:
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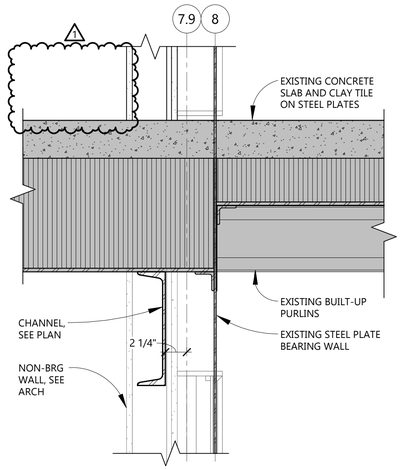
DRAWING TITLE:
FOURTH FLOOR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

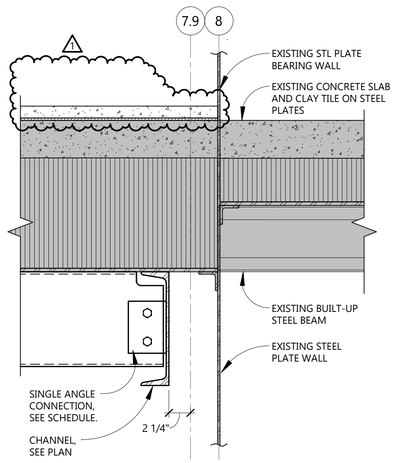
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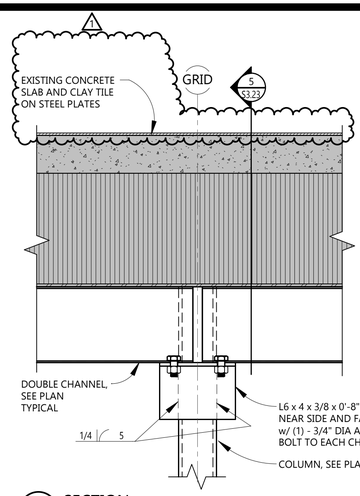
1 S3.21 SECTION
1 1/2" = 1'-0"



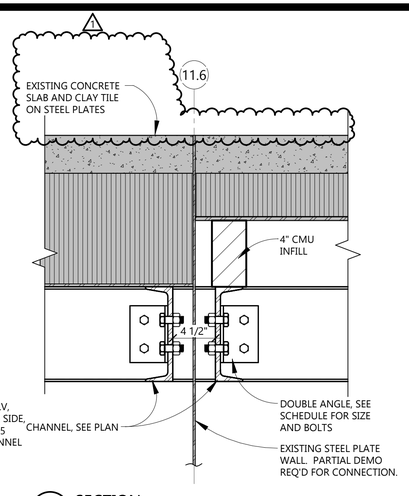
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1 1/2" = 1'-0"



3 S3.21 SECTION
1 1/2" = 1'-0"



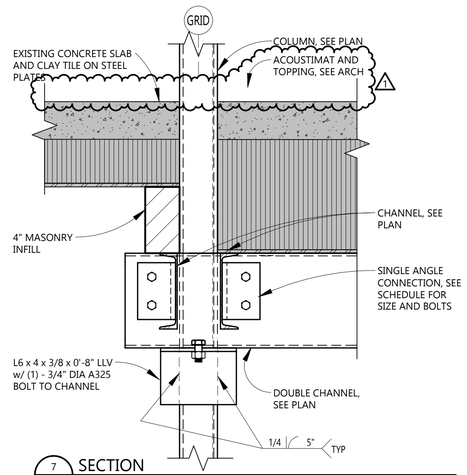
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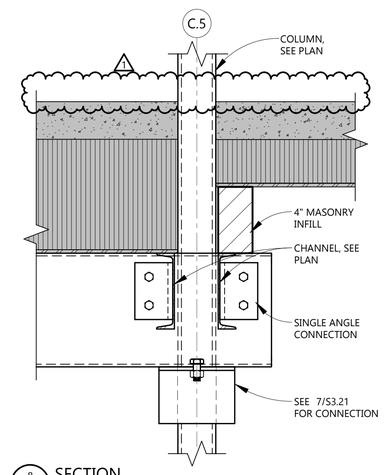
5 S3.21 SECTION
1 1/2" = 1'-0"

NOT USED

6 S3.21



7 S3.21 SECTION
1 1/2" = 1'-0"



8 S3.21 SECTION
1 1/2" = 1'-0"

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612-827-0805 fax

CLIENT:
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575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NO	DATE	REVISION
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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H. Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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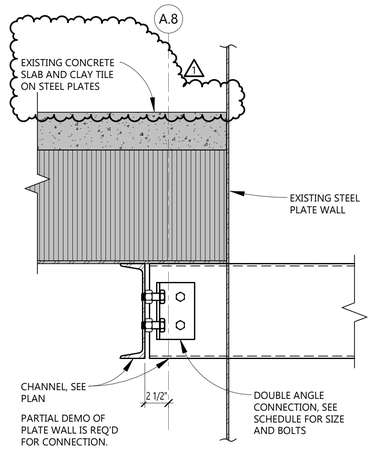
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The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

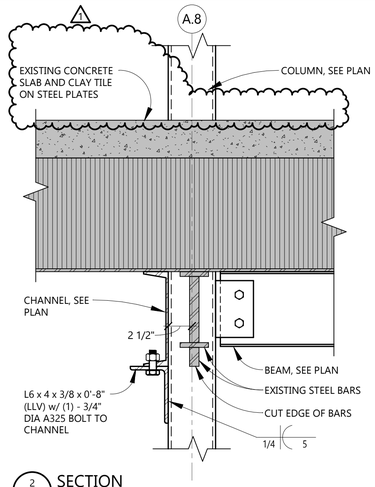
DRAWING TITLE:
FOURTH FLOOR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

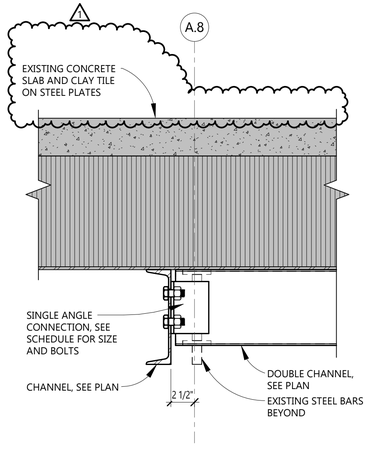
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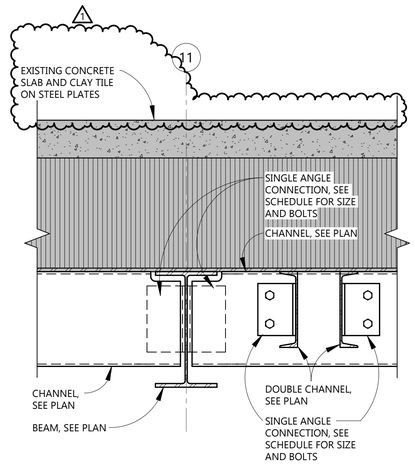
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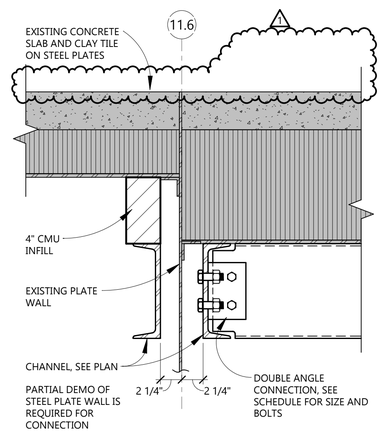
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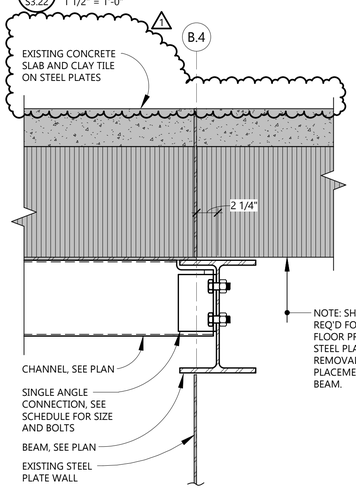
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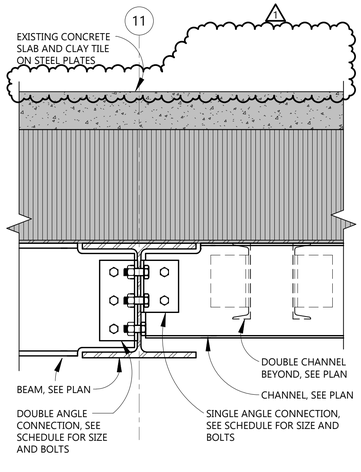
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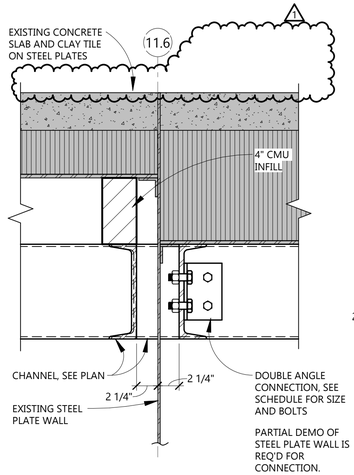
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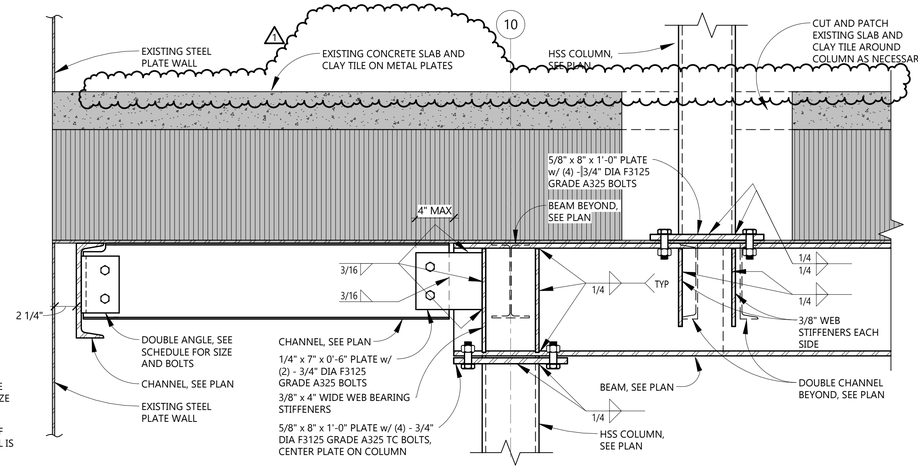
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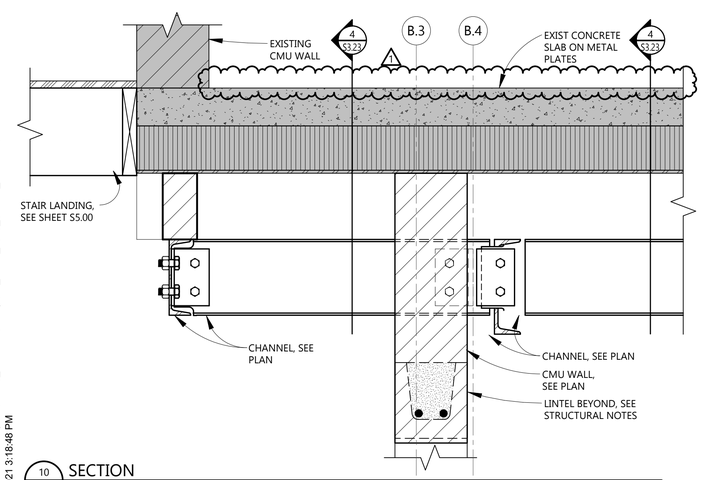
7 S3.22 SECTION 1 1/2" = 1'-0"



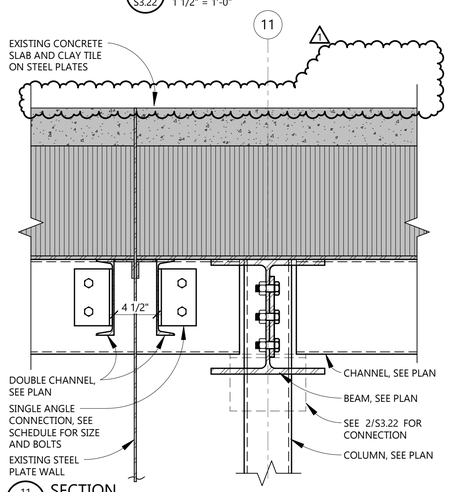
8 S3.22 SECTION 1 1/2" = 1'-0"



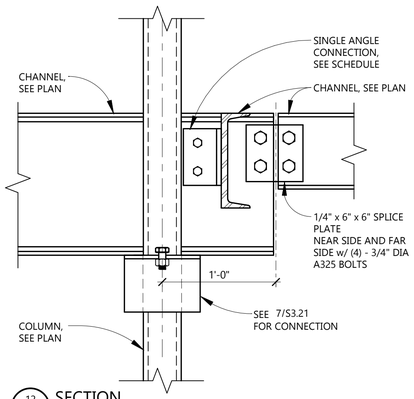
9 S3.22 SECTION 1 1/2" = 1'-0"



10 S3.22 SECTION 1 1/2" = 1'-0"



11 S3.22 SECTION 1 1/2" = 1'-0"



12 S3.22 SECTION 1 1/2" = 1'-0"

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Date: 01-10-2020 Reg. No.: 14751

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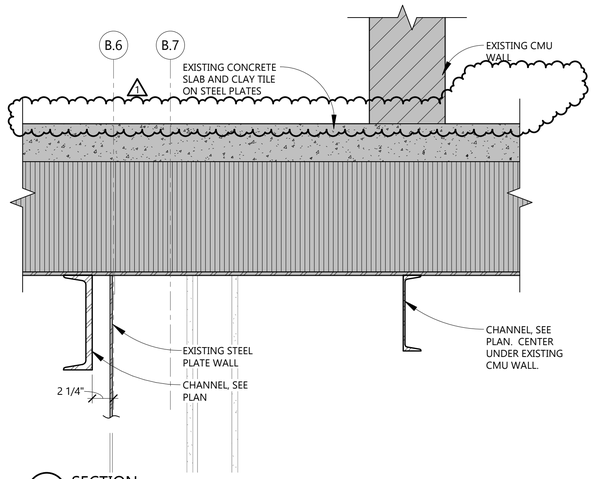
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Duluth, MN 55802

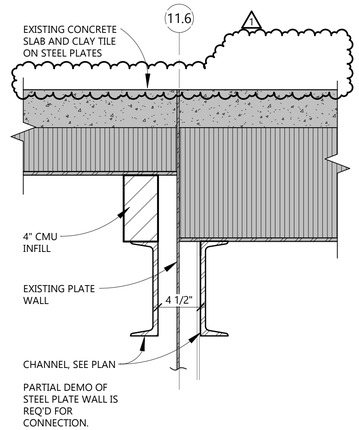
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DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

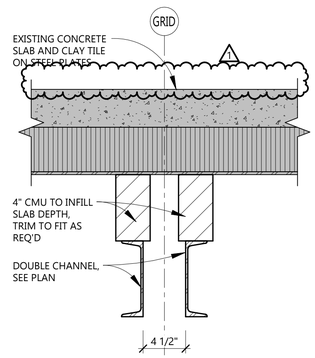
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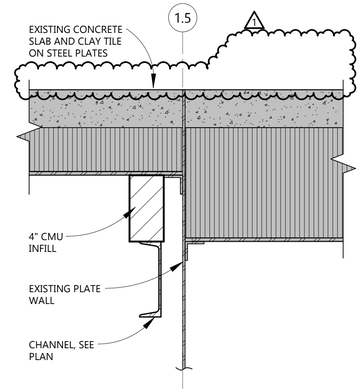
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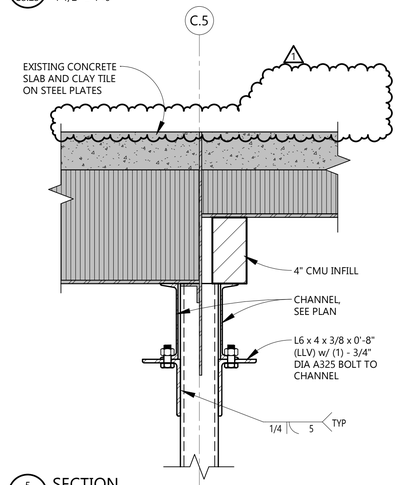
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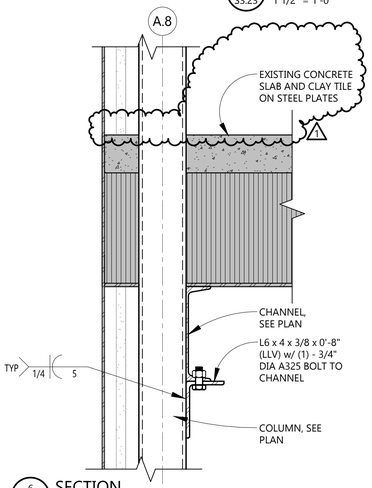
3 S3.23 SECTION
1 1/2" = 1'-0"



4 S3.23 SECTION
1 1/2" = 1'-0"



5 S3.23 SECTION
1 1/2" = 1'-0"



6 S3.23 SECTION
1 1/2" = 1'-0"

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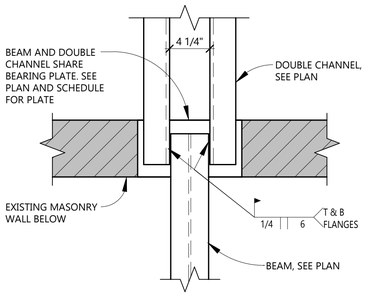
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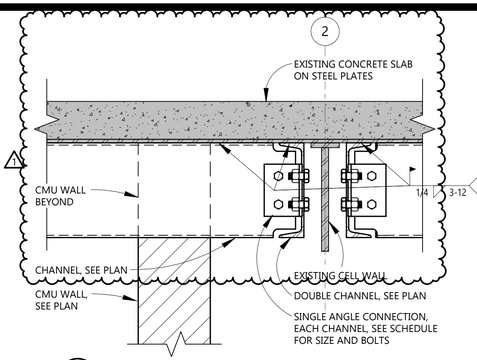
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DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

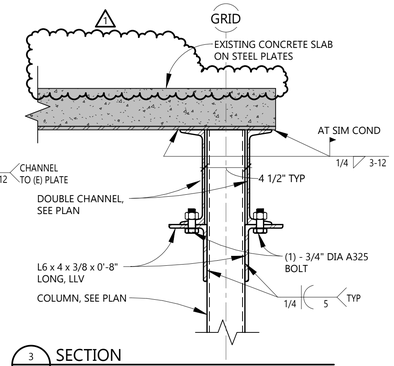
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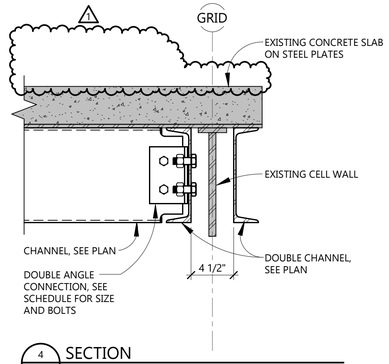
1 S3.30 PLAN VIEW
1 1/2" = 1'-0"



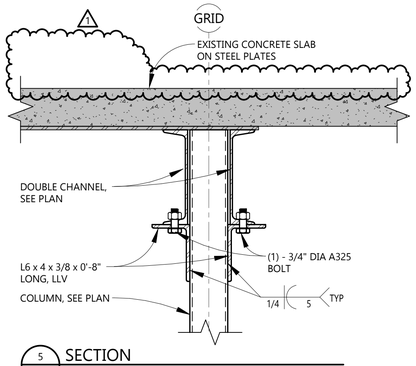
2 S3.30 SECTION
1 1/2" = 1'-0"



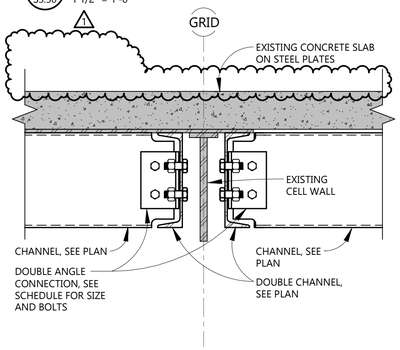
3 S3.30 SECTION
1 1/2" = 1'-0"



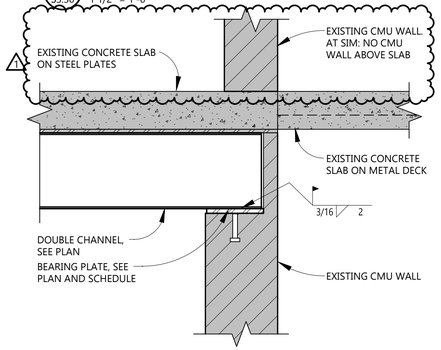
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1 1/2" = 1'-0"



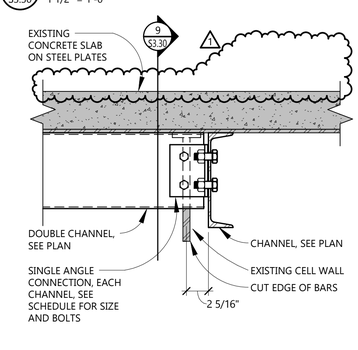
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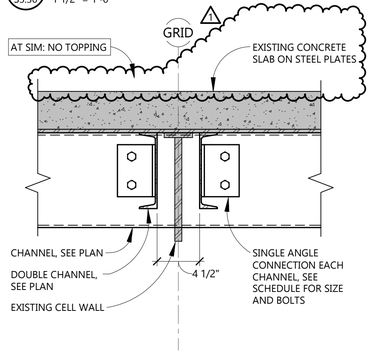
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1 1/2" = 1'-0"



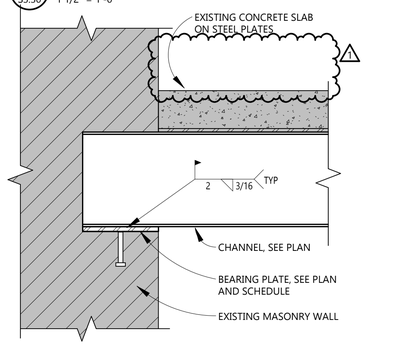
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1 1/2" = 1'-0"



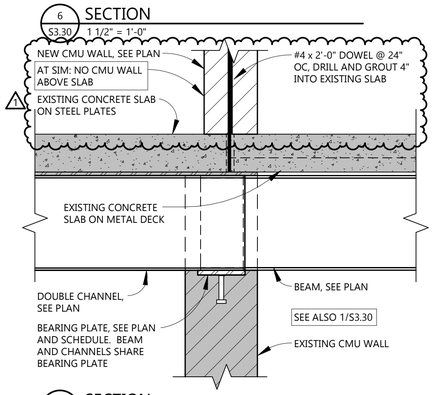
8 S3.30 SECTION
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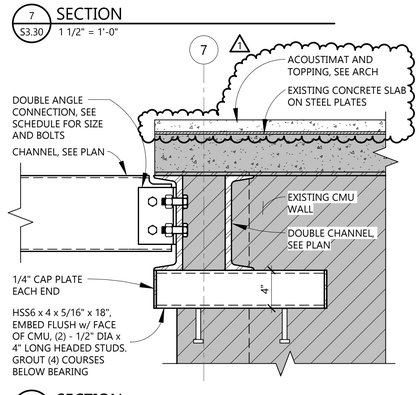
9 S3.30 SECTION
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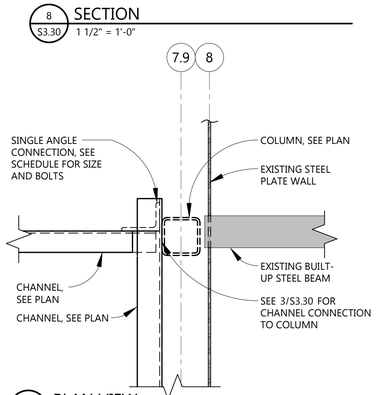
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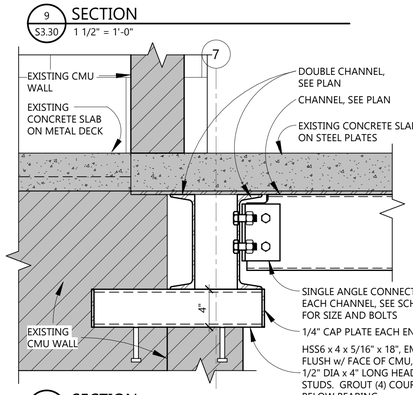
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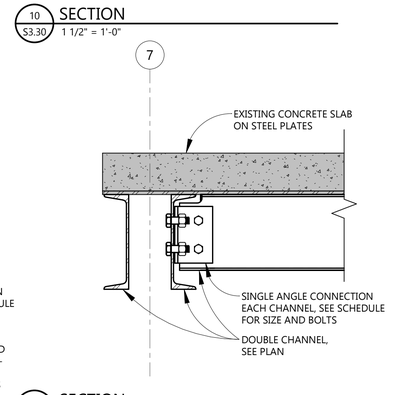
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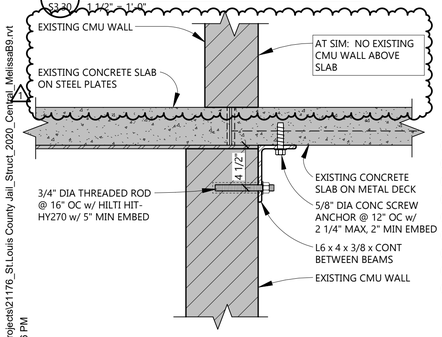
13 S3.30 PLAN VIEW
1 1/2" = 1'-0"



14 S3.30 SECTION
1 1/2" = 1'-0"

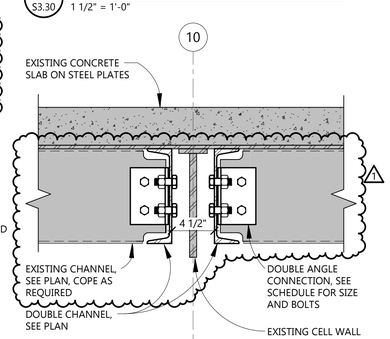


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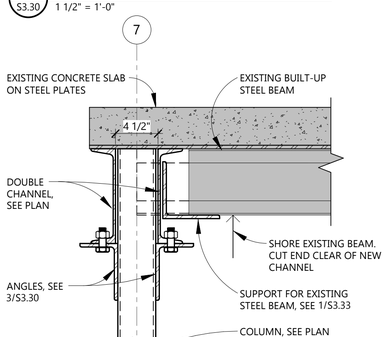


TYPICAL DRAG STRUT
FULL LENGTH OF CORRIDOR

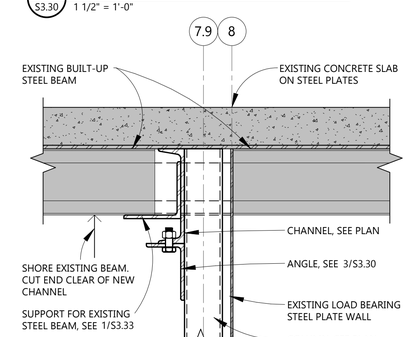
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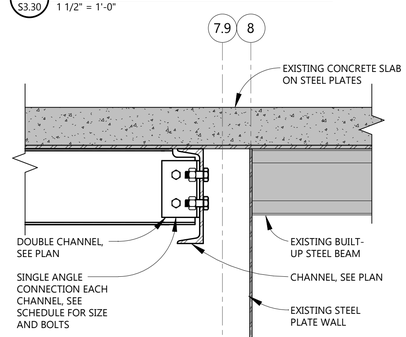
17 S3.30 SECTION
1 1/2" = 1'-0"



18 S3.30 SECTION
1 1/2" = 1'-0"



19 S3.30 SECTION
1 1/2" = 1'-0"



20 S3.30 SECTION
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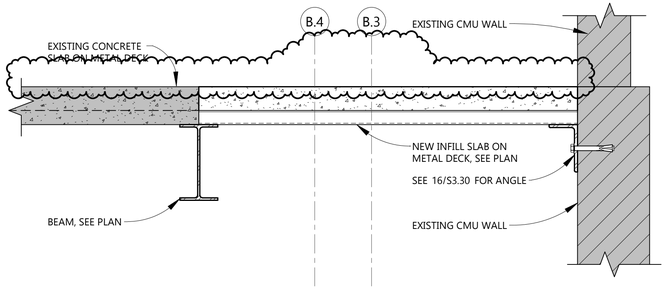
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
FIFTH FLOOR FRAMING SECTIONS AND DETAILS

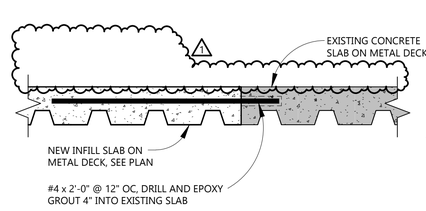
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CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S3.30**

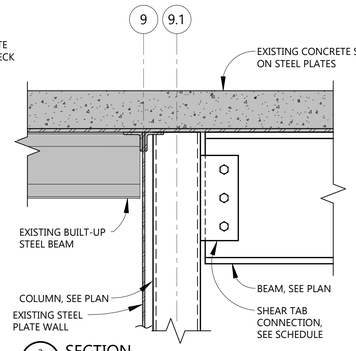
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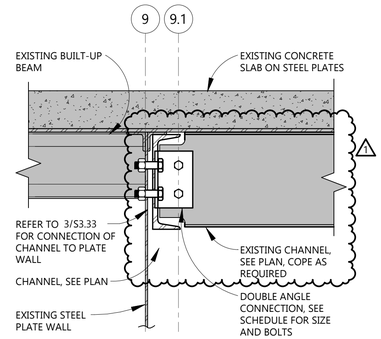
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1 1/2" = 1'-0"



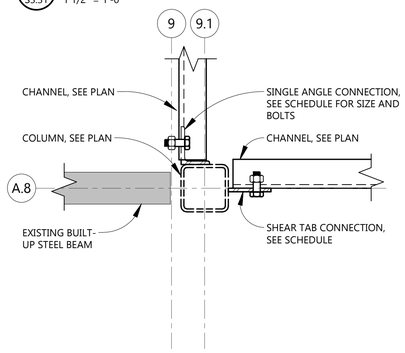
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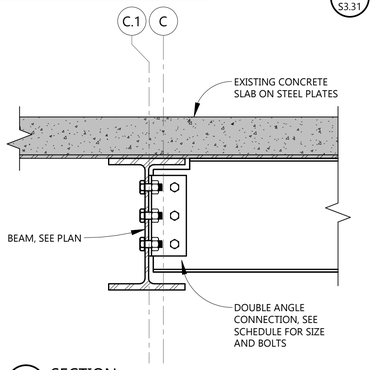
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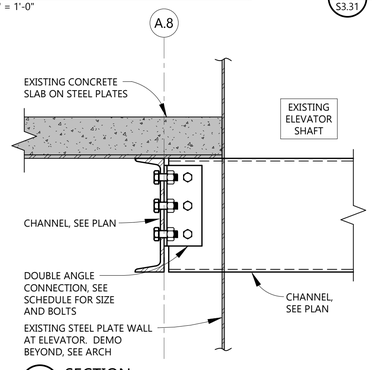
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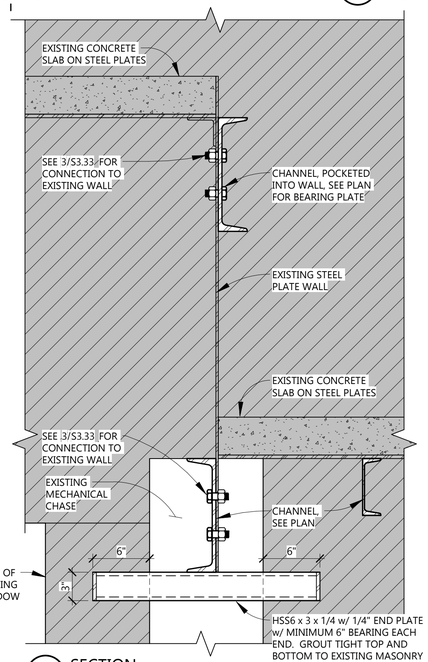
5 S3.31 PLAN VIEW
1 1/2" = 1'-0"



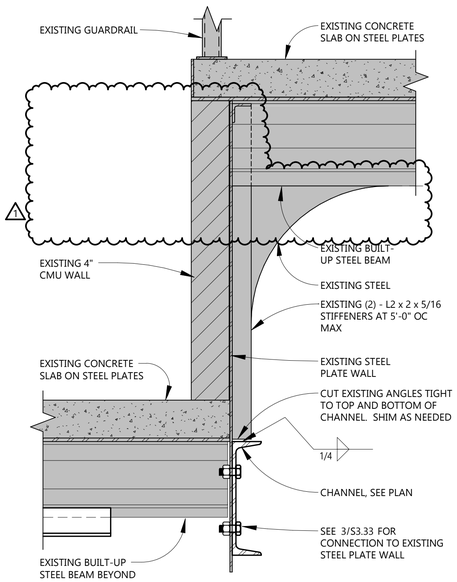
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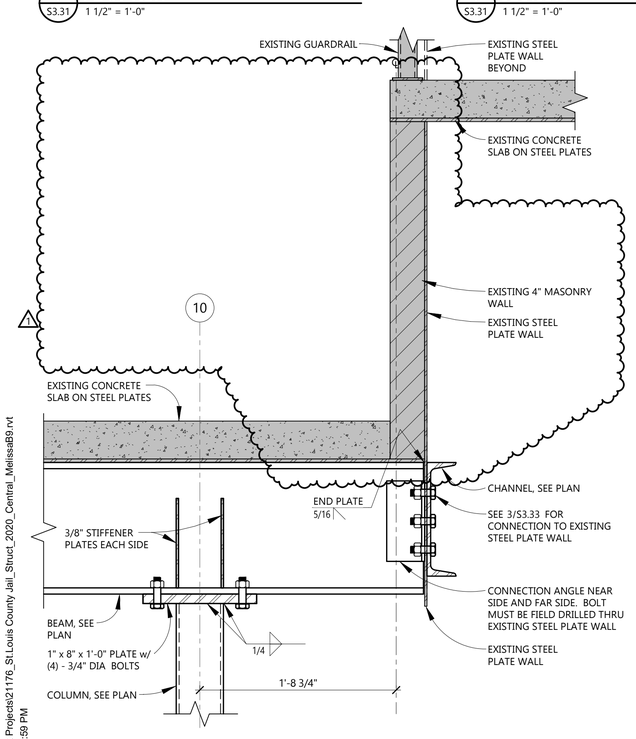
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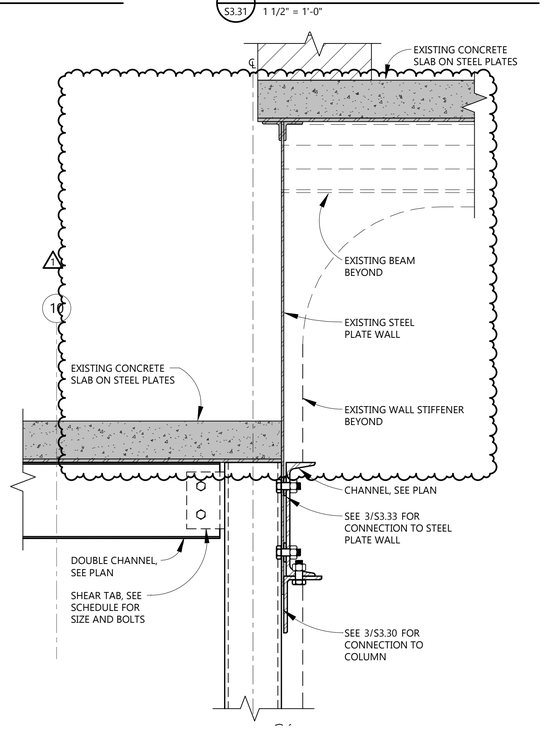
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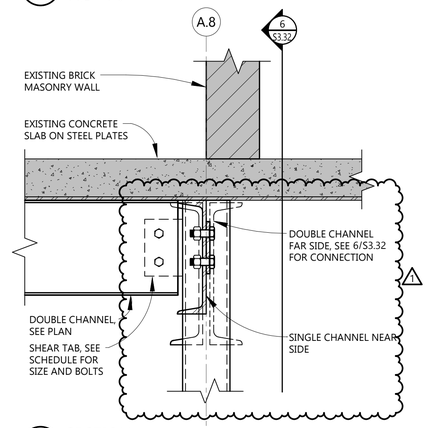
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1 1/2" = 1'-0"



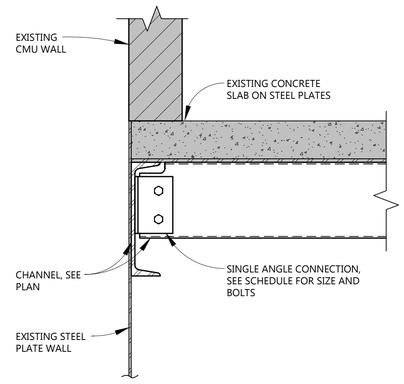
10 S3.31 SECTION
1 1/2" = 1'-0"



11 S3.31 SECTION
1 1/2" = 1'-0"



12 S3.31 SECTION
1 1/2" = 1'-0"



13 S3.31 SECTION
1 1/2" = 1'-0"

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612-827-7825 voice
612-827-0805 fax

CLIENT:
New Burnham, LLC

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Minneapolis, MN 55414

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	01/10/2020	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: David H. Macdonald

Typed or Printed Name: David H. Macdonald

Date: 01-10-2020 Reg. No.: 14751

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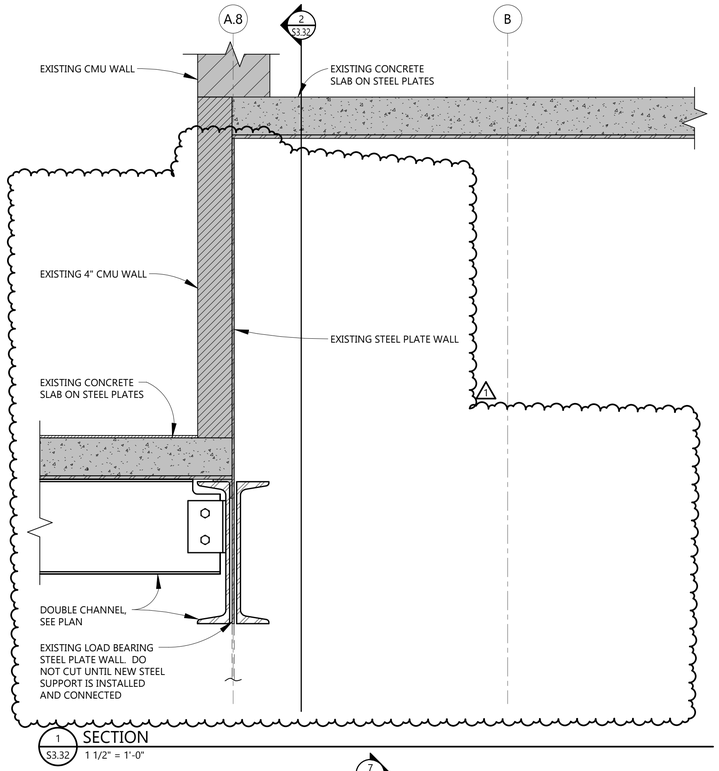
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The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

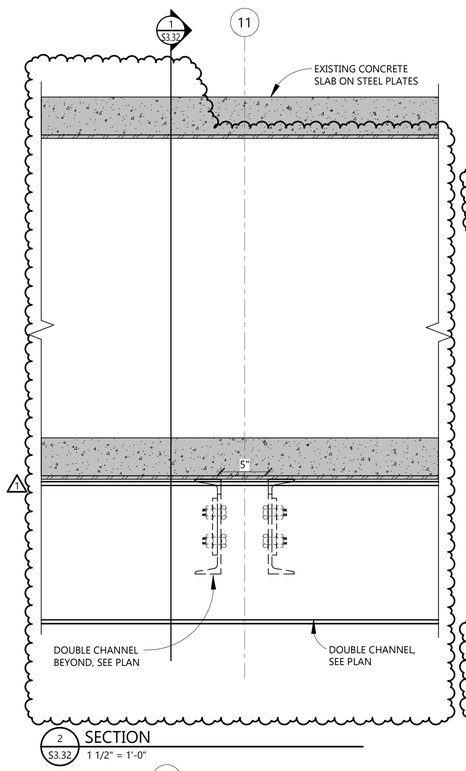
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FIFTH FLOOR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

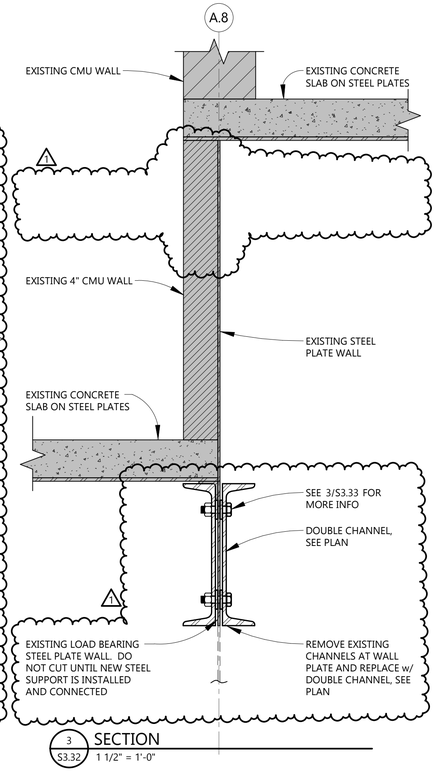
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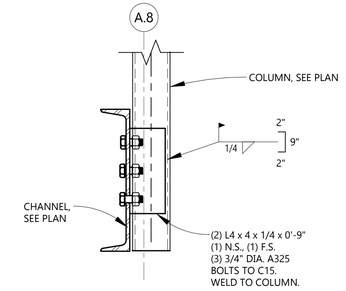
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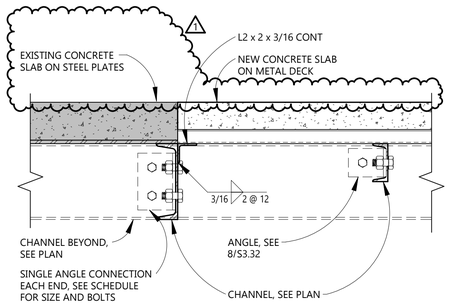
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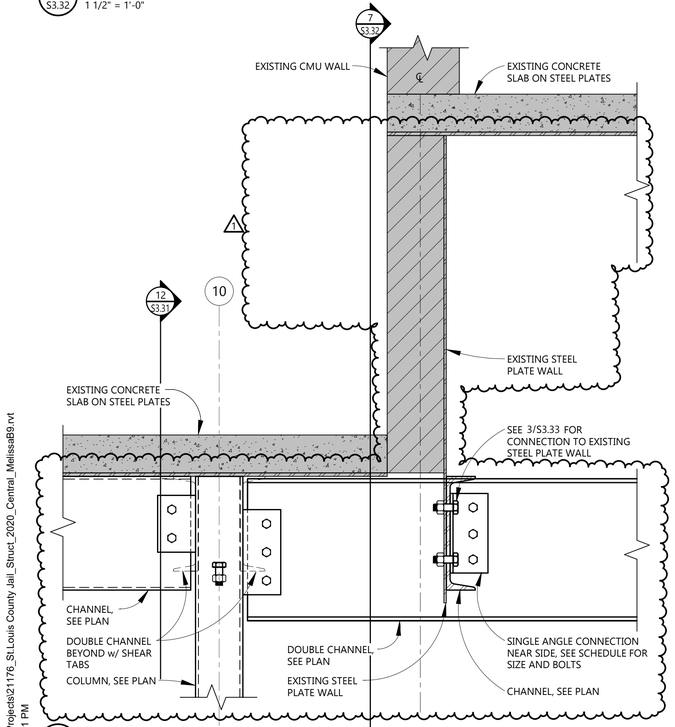
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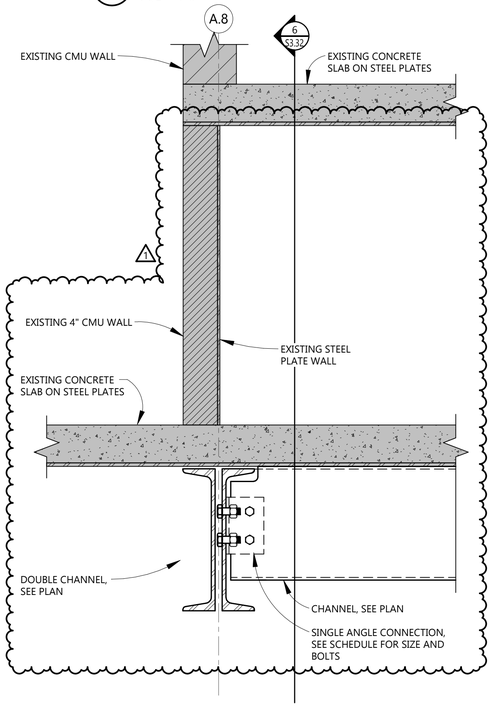
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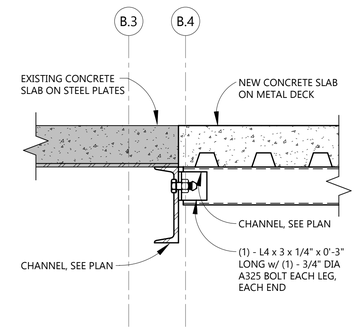
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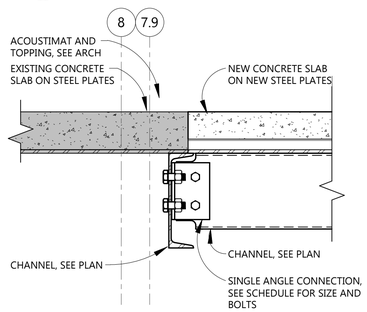
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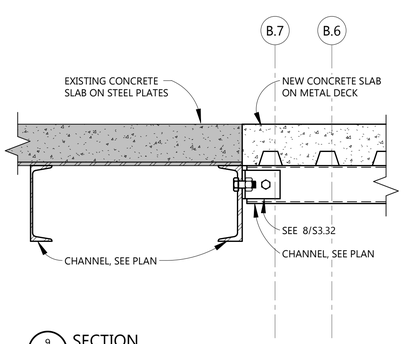
7 S3.32 SECTION 1 1/2" = 1'-0"



8 S3.32 SECTION 1 1/2" = 1'-0"



10 S3.32 SECTION 1 1/2" = 1'-0"



9 S3.32 SECTION 1 1/2" = 1'-0"

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Typed or Printed Name: David H. Macdonald
Date: 01-10-2020 Reg. No.: 14751

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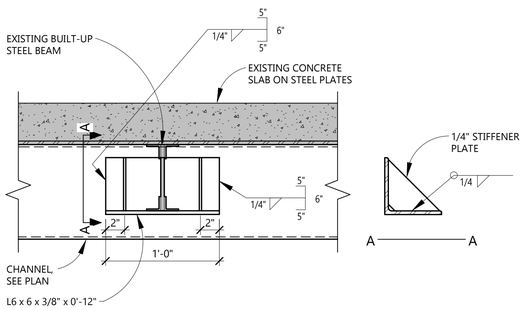
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The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

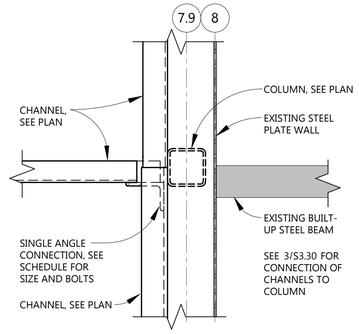
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FIFTH FLOOR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

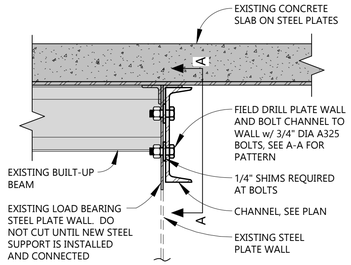
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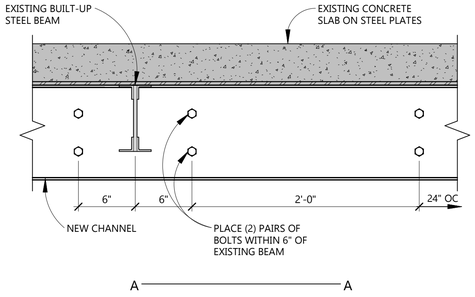


1 S3.33 SECTION
1 1/2" = 1'-0"



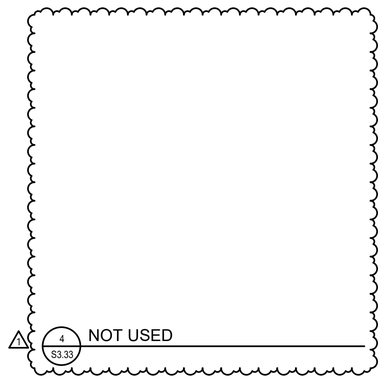
2 S3.33 PLAN VIEW
1 1/2" = 1'-0"



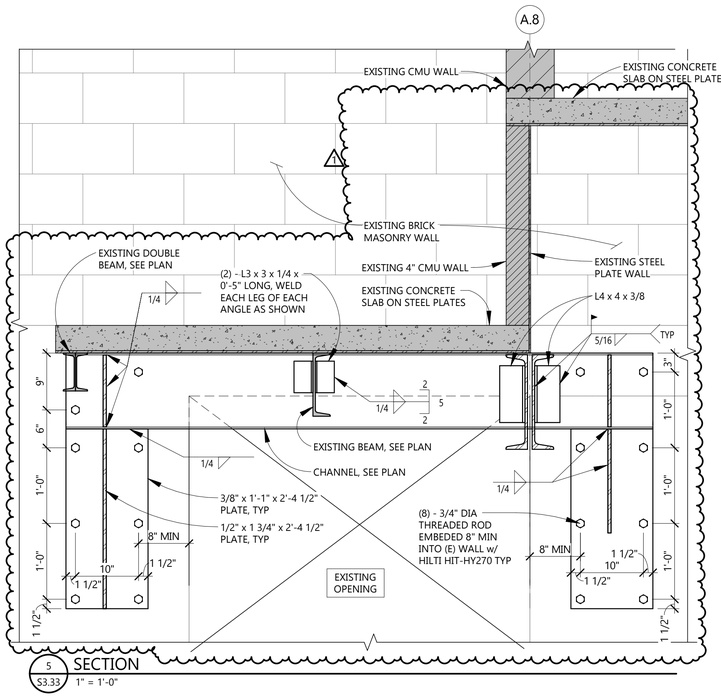


TYPICAL CONNECTION OF CHANNEL TO EXISTING STEEL PLATE WALL

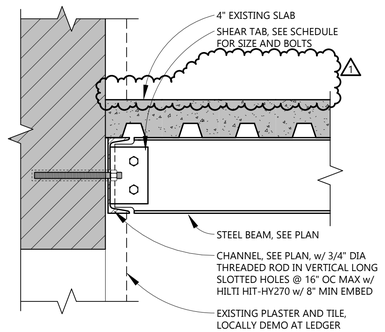
3 S3.33
1 1/2" = 1'-0"



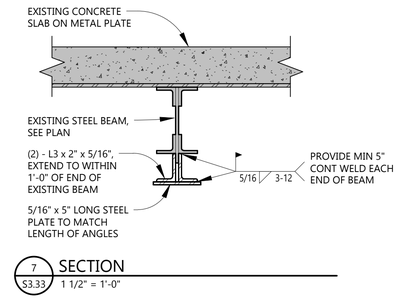
1 4 S3.33 NOT USED



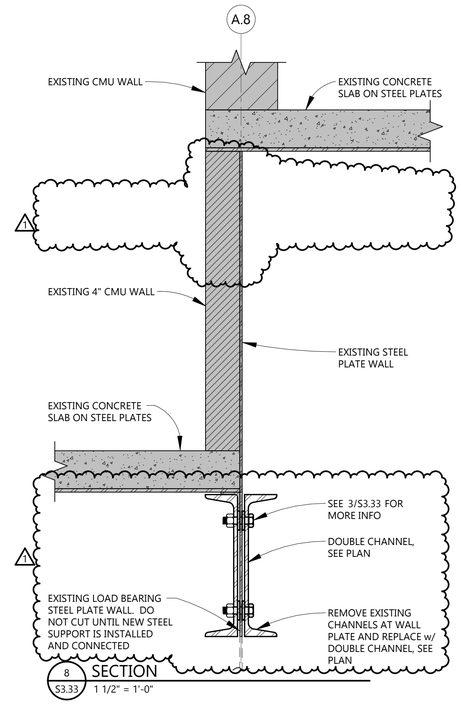
5 S3.33 SECTION
1" = 1'-0"



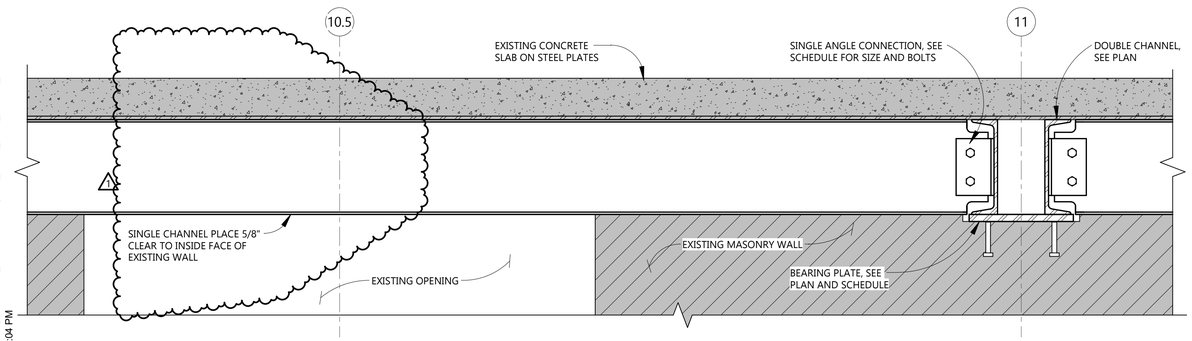
6 S3.33 SECTION
1 1/2" = 1'-0"



7 S3.33 SECTION
1 1/2" = 1'-0"



8 S3.33 SECTION
1 1/2" = 1'-0"



9 S3.33 SECTION
1 1/2" = 1'-0"

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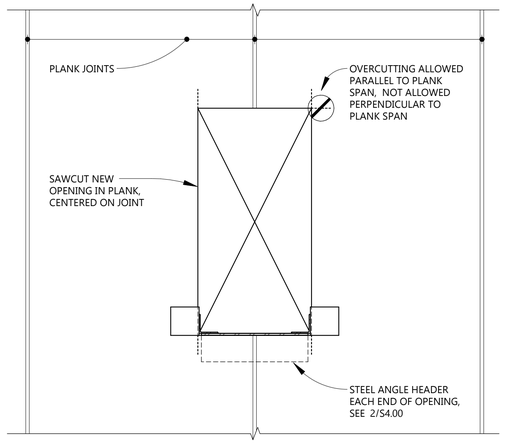
PROJECT NAME:
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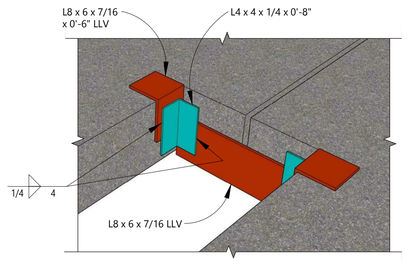
DRAWING TITLE:
FIFTH FLOOR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

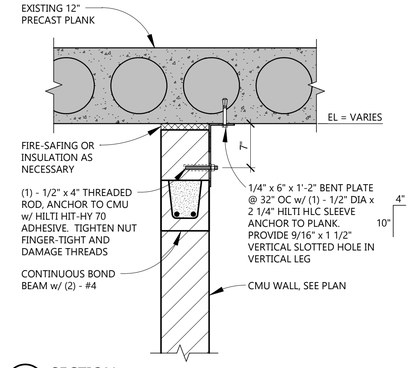
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1 S4.00 SECTION
3/4" = 1'-0"



2 S4.00 SECTION
3/4" = 1'-0"



3 S4.00 SECTION
1" = 1'-0"

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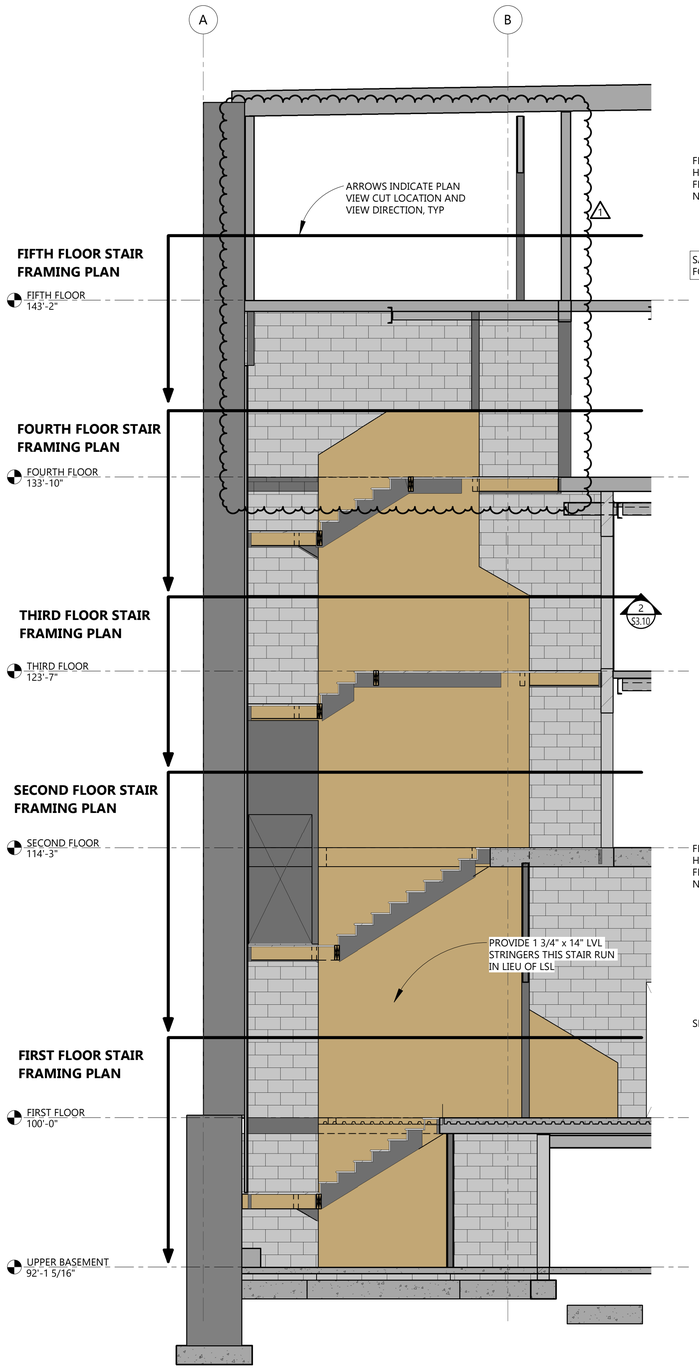
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Duluth, MN 55802

DRAWING TITLE:
ROOF FRAMING SECTIONS AND DETAILS

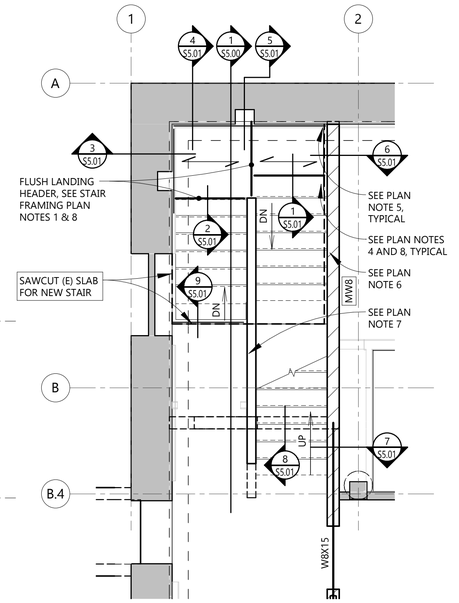
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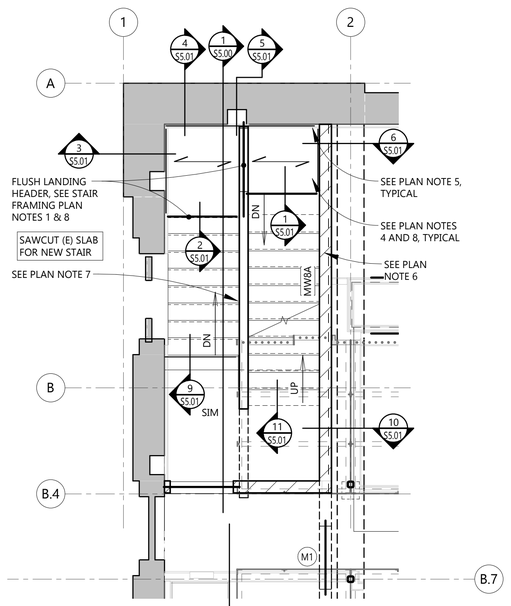
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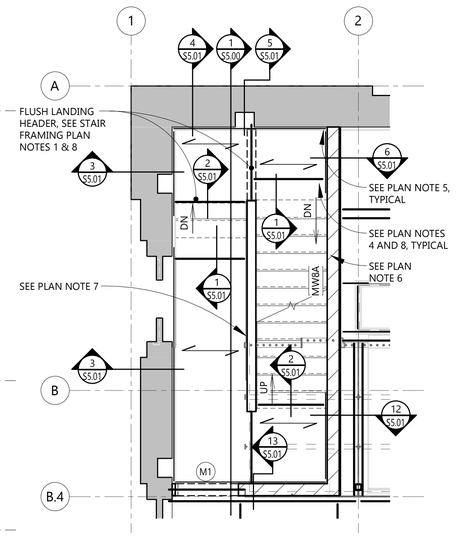
1 S5.00 STAIR A SECTION
1/4" = 1'-0"



2 S5.00 STAIR A FIRST FLOOR FRAMING PLAN
1/4" = 1'-0"

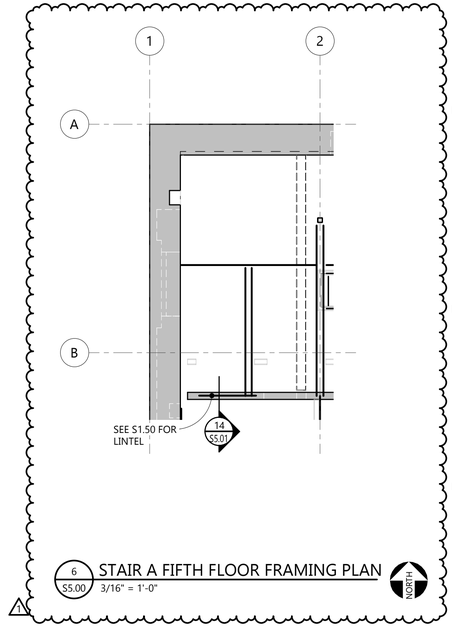


3 S5.00 STAIR A SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"



4 S5.00 STAIR A THIRD FLOOR FRAMING PLAN
1/4" = 1'-0"

5 S5.00 STAIR A FOURTH FLOOR FRAMING PLAN
1/4" = 1'-0"



6 S5.00 STAIR A FIFTH FLOOR FRAMING PLAN
3/16" = 1'-0"

TYPICAL STAIR FRAMING PLAN NOTES (UNLESS NOTED OTHERWISE):

1. LANDING HEADERS TO BE (2) - 2 x 10; DEEPER AS NECESSARY TO ACCEPT STRINGERS.
2. PROVIDE (4) - 1 1/4" x 14" DEEP LSL STRINGERS w/ MINIMUM 9" DEPTH REMAINING AT EACH STAIR RUN (2 AT CENTER, 1 AT EACH EDGE). SEE DETAILS 1/S5.01 AND 2/S5.01 FOR ADDITIONAL INFORMATION.
3. MARKS THUS: " / " INDICATE SPAN DIRECTION OF 2 x 10 LANDING JOISTS @ 12" OC. HANGER TO LEDGER w/ SIMPSON LUS210 HANGERS.
4. PROVIDE SIMPSON HU210-Z OR HUC210-Z HANGER TO LEDGER OR BEAM.
5. PROVIDE SIMPSON HU210 OR HUC210 HANGER TO LEDGER.
6. PROVIDE FLOW-THRU BOND BEAM AT LANDING AND FLOOR ELEVATION FOR LEDGER ATTACHMENT.
7. FRAME 2 x 6 @ 16" OC WALLS UP TO BEARING ELEVATION OF LANDING FRAMING OR PROVIDE FULL FLOOR DEPTH BLOCKING IN JOIST SPACE.
8. AT EACH LANDING HEADER CONNECTION TO LEDGER: PROVIDE (4) ADDITIONAL ANCORS TO WALL, (2) EACH SIDE OF HEADER, NO MORE THAN 8" FROM HEADER. SEE 4/S5.01 FOR TYPICAL ANCHORS.
9. SEE 15/S5.01 AND 16/S5.01 FOR HEADER CONNECTION/BEARING AT CENTER WALL.

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

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Signature: David H. Macdonald
Typed or Printed Name: David H. Macdonald
Date: 01-10-2020 Reg. No.: 14751

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PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

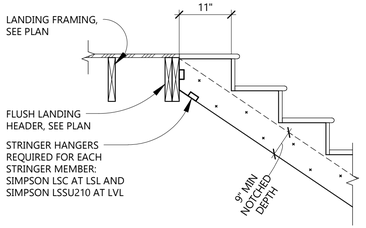
521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
STAIR A FRAMING PLANS AND SECTION

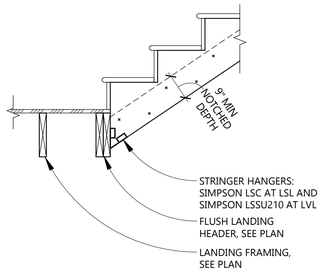
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CHECKED BY: DHM
PROJ. NO: 18531

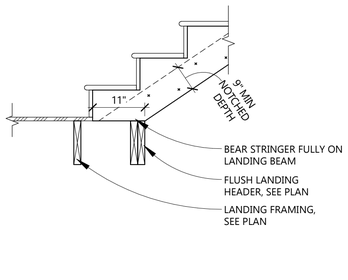
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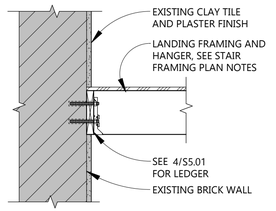


1 S5.01 STAIR STRINGER TOP CONNECTION
3/4" = 1'-0"

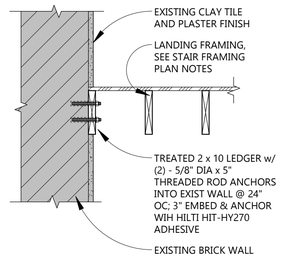




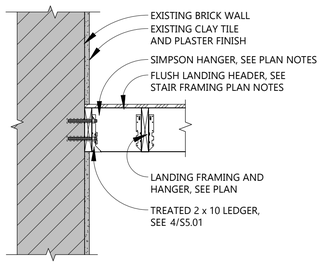
2 S5.01 STAIR STRINGER BOTTOM CONNECTION
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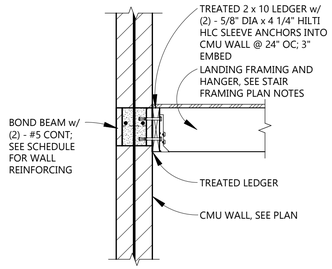
3 S5.01 SECTION
3/4" = 1'-0"



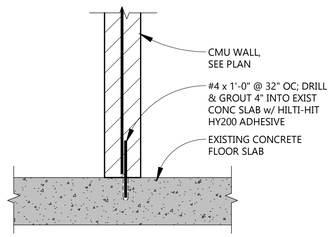
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3/4" = 1'-0"



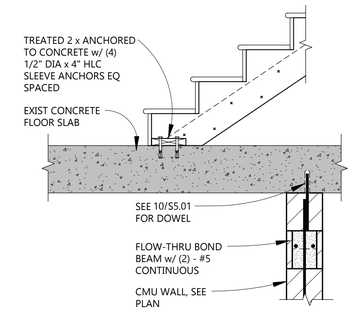
5 S5.01 SECTION
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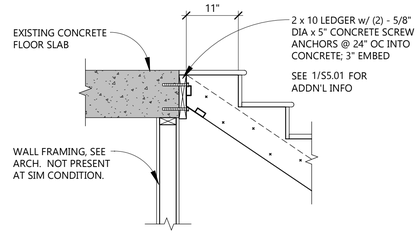
6 S5.01 STAIR LANDING AT CMU
3/4" = 1'-0"



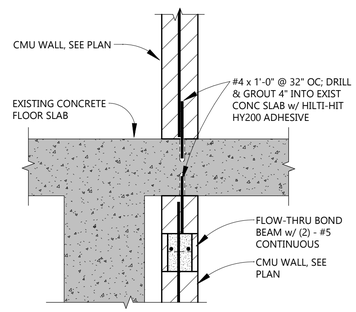
7 S5.01 SECTION
3/4" = 1'-0"



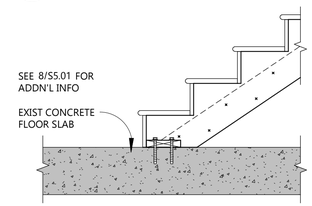
8 S5.01 SECTION
3/4" = 1'-0"



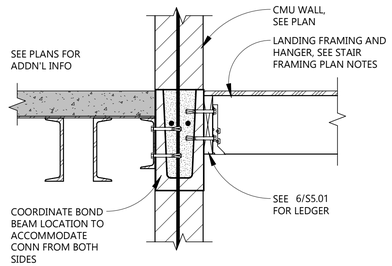
9 S5.01 STAIR STRINGER TOP CONNECTION
3/4" = 1'-0"



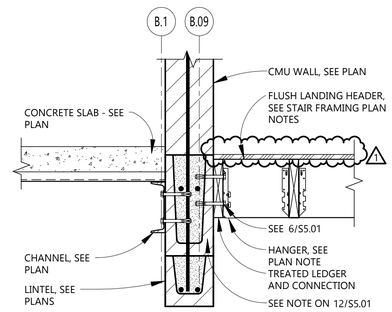
10 S5.01 SECTION
3/4" = 1'-0"



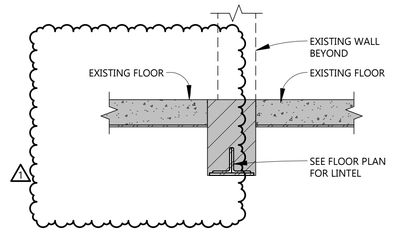
11 S5.01 SECTION
3/4" = 1'-0"



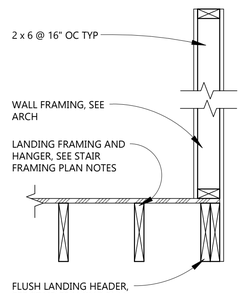
12 S5.01 SECTION
1" = 1'-0"



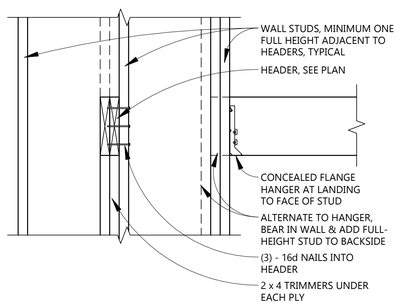
13 S5.01 SECTION
1" = 1'-0"



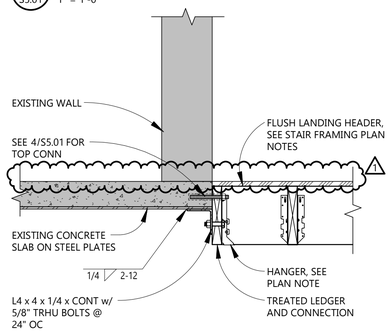
14 S5.01 SECTION
1" = 1'-0"



15 S5.01 SECTION
1" = 1'-0"



STAIR INTERMEDIATE LANDING
16 S5.01 HEADER BEARING AT MIDDLE WALL
1" = 1'-0"



17 S5.01 SECTION
1" = 1'-0"

18 S5.01 NOT USED

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1	7/12/2021	ADDENDUM 1

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Signature: David H Macdonald
Typed or Printed Name: David H. Macdonald
Date: 01-10-2020 Reg. No.: 14751

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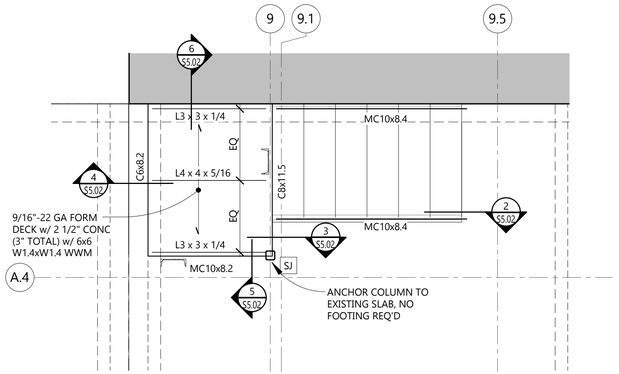
PROJECT NAME:
The Burnham - Historic St. Louis Co Jail

521 W. 2nd Street
Duluth, MN 55802

DRAWING TITLE:
STAIR A FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: S5.01

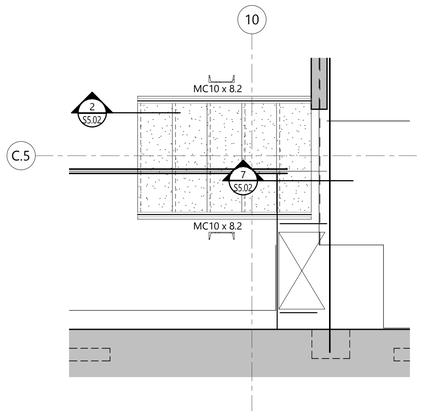


1 S5.02 PARTIAL FTG AND FND PLAN AT STAIR
1/2" = 1'-0"

NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

1. REFER TO ARCHITECTURAL DRAWINGS FOR STAIR DIMENSIONS AND CONFIGURATION

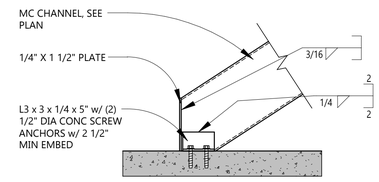


8 S5.02 PARTIAL FIFTH FLOOR FRMG PLAN STAIR
1/2" = 1'-0"

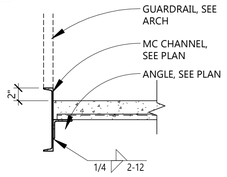
NORTH

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

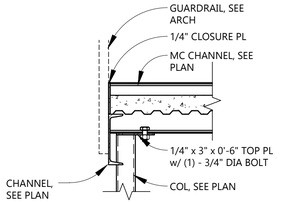
1. REFER TO ARCHITECTURAL DRAWINGS FOR STAIR DIMENSIONS AND CONFIGURATION



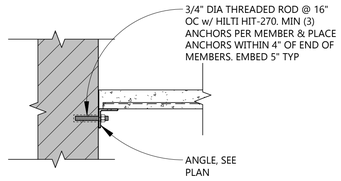
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1" = 1'-0"



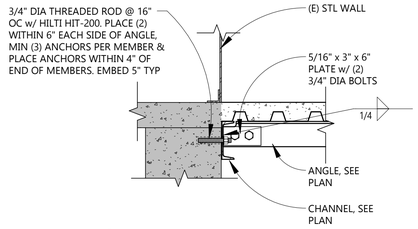
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1" = 1'-0"



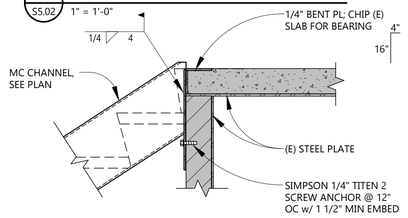
3 S5.02 SECTION
1" = 1'-0"



6 S5.02 SECTION
1" = 1'-0"



4 S5.02 SECTION
1" = 1'-0"



7 S5.02 SECTION
1" = 1'-0"

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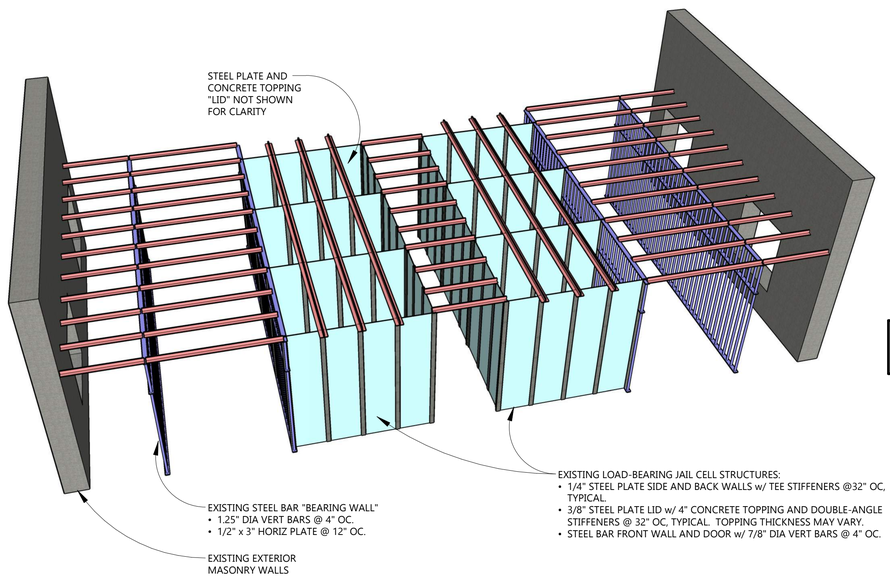
DRAWING TITLE:
STAIR FRAMING SECTIONS AND DETAILS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S5.02**

EXISTING STRUCTURE

SYSTEM ILLUSTRATION BASED ON BEST AVAILABLE INFORMATION. EXISTING CONDITIONS MAY VARY.



GENERAL NOTES:

1. EXISTING STRUCTURAL SYSTEM DESCRIBED ON THIS DRAWINGS AND ILLUSTRATED ON PLANS, DETAILS AND SECTION IS BASED ON BEST AVAILABLE INFORMATION PROVIDE TO DESIGN TEAM OR OBSERVED IN FIELD.
   NOT ALL AREAS COULD BE OBSERVED OR CONFIRMED BY REFERENCE TO EXISTING DOCUMENTS.
   CONTRACTOR SHALL REMOVE FINISH MATERIALS TO EXPOSE EXISTING STRUCTURE AND NOTIFY STRUCTURAL ENGINEER OF RECORD (SER) AND ARCHITECT OF POSSIBLE DISCREPANCIES OR DISCOVERED CONDITIONS THAT DO NOT CONFORM TO ASSUMPTION ILLUSTRATED ON DRAWINGS.

2. DESIGN INTENT FOR NEW STRUCTURAL SYSTEM IS TO ALLOW PLACEMENT OF ALL NEW STRUCTURAL STEEL FRAMING PRIOR TO REMOVAL OR MODIFICATION OF EXISTING LOAD BEARING STEEL PLATE WALLS AND CELL BAR WALLS. PLATE AND CELL BAR WALLS CAN BE REMOVED OR MODIFIED AFTER ALL NEW STRUCTURAL STEEL FRAMING IS IN PLACE AND PERMANENTLY CONNECTED TO SUPPORTING MEMBERS. PLATE AND BAR BEARING WALLS FORM A "STACKED" BEARING WALL SYSTEM. MODIFICATIONS AT THIRD FLOOR MAY NOT TAKE PLACE UNTIL FOURTH FLOOR IS SUPPORTED BY NEW FRAMING. MODIFICATIONS AT SECOND FLOOR MAY NOT TAKE PLACE UNTIL THIRD FLOOR AND FOURTH FLOOR ARE SUPPORTED BY NEW FRAMING.

AT CONTRACTORS OPTION, EXISTING FLOOR MAY BE FULLY SUPPORTED BY A SHORING SYSTEM WHICH WOULD ALLOW REMOVAL AND MODIFICATION OF EXISTING PLATE AND BAR LOAD BEARING WALLS PRIOR TO PLACEMENT OF NEW STRUCTURAL STEEL FRAMING. IN THIS EVENT, STRUCTURAL ENGINEER OF RECORD WILL PROVIDE ANTICIPATED FLOOR LOADS AND CONTRACTOR SHALL RETAIN A QUALIFIED SHORING CONTRACTOR TO PROVIDE APPROPRIATE SHORING ELEMENTS AND LAYOUT. SHORING DRAWINGS SHALL BE PROVIDED TO SER FOR REVIEW PRIOR TO START OF SHORING WORK.

SUGGESTED PROCEDURE FOR NEW FRAMING:

1. AFTER DEMOLITION OF FINISH MATERIAL, VERIFY THAT EXISTING FRAMING CONFORMS TO ASSUMED FRAMING LAYOUT ILLUSTRATED ON DRAWINGS. INFORM SER AND ARCHITECT OF ANY DISCREPANCIES DISCOVERED.

2. FIELD MEASUREMENT OF EXISTING SYSTEM LAYOUT, WALL LOCATIONS, FLOOR AND CEILING ELEVATIONS, ETC WILL BE CRITICAL TO DETAILING AND ERECTION OF NEW STRUCTURAL STEEL MEMBERS. GENERAL CONTRACTOR SHALL COORDINATE WITH STEEL FABRICATOR AND ERECTOR TO CONFIRM RESPONSIBILITY FOR, AND TIMING OF, NECESSARY FIELD MEASURING.

3. LOCATE POSITIONS OF NEW STEEL COLUMNS.
   a. REMOVE SMALL SECTIONS OF CONCRETE TOPPING AND STEEL FLOOR PLATE AT COLUMN LOCATIONS.
   b. SELECTIVE DEMOLITION OF INDIVIDUAL BAR WALL MEMBERS OR REMOVAL OF NARROW STEEL PLATE WALL STRIPS WILL BE NECESSARY FOR PLACEMENT OF NEW COLUMNS. THIS SELECTIVE DEMOLITION OF LOAD BEARING WALL SECTIONS MAY BE UNDERTAKEN WITHOUT NEED FOR FLOOR PLATE SHORING.
   c. PLACE NEW STEEL COLUMNS FROM SECOND FLOOR PLATFORM TO UNDERSIDE OF FIFTH FLOOR. REFER TO 1/S0.03 FOR SUGGESTED COLUMN SPLICE DETAIL.

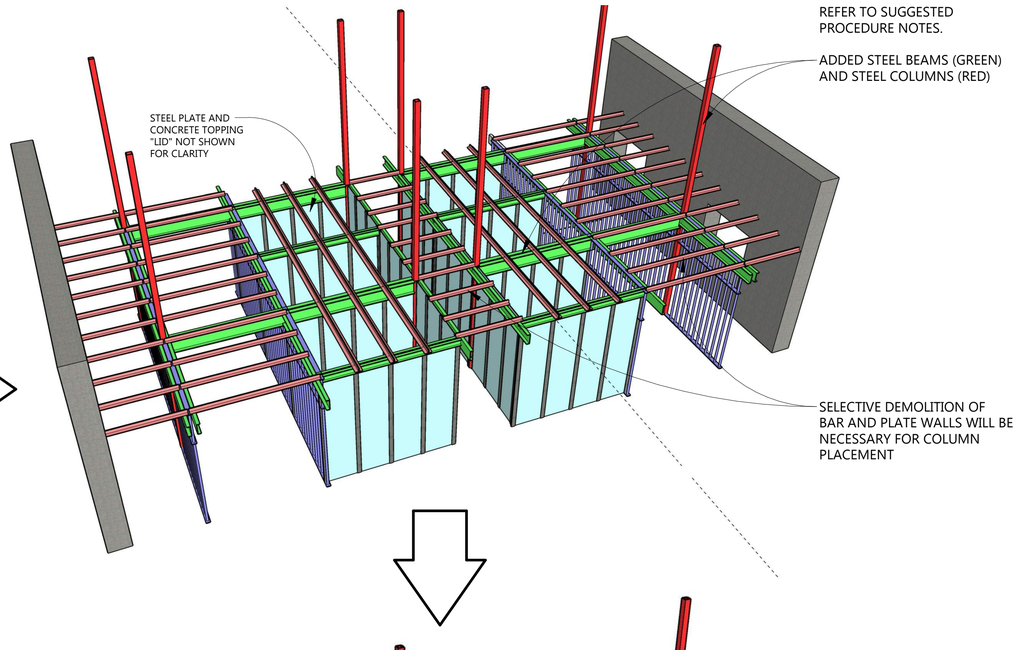
4. INSTALL NEW SUPPORT BEAMS.
   NEW SUPPORT BEAMS FRAME BETWEEN NEW COLUMNS OR FRAME FROM NEW COLUMN TO EXISTING MASONRY WALLS.
   NEW SUPPORT BEAMS ARE TYPICALLY DOUBLE MEMBERS "SANDWICHED" ON EITHER SIDE OF PLATE ON BAR BEARING WALL.
   NEW SUPPORT MEMBERS ARE INTENDED TO BE PLACED TIGHT TO UNDERSIDE OF EXISTING FLOOR FRAMING. EXISTING CONNECTION PLATES, BAR STIFFENERS, AND PROJECTING CONNECTORS MAY INTERFERE WITH PLACEMENT TIGHT AND CONTINUOUS TO UNDERSIDE OF FLOOR. REFER TO 2/S0.03 FOR TYPICAL SHIMMING/GROUTING AT TOP OF ALL FRAMING MEMBERS. SINCE IT IS NOT POSSIBLE TO ANTICIPATE WHERE AND HOW OFTEN INTERFERENCE WILL OCCUR, AT CONTRACTOR'S OPTION, ALL STEEL MEMBERS MAY BE PLACED 1/2" TO 3/4" BELOW BOTTOM OF FLOOR ELEVATION. ALL MEMBERS WILL REQUIRE SHIM/GROUTING IN THIS CASE.

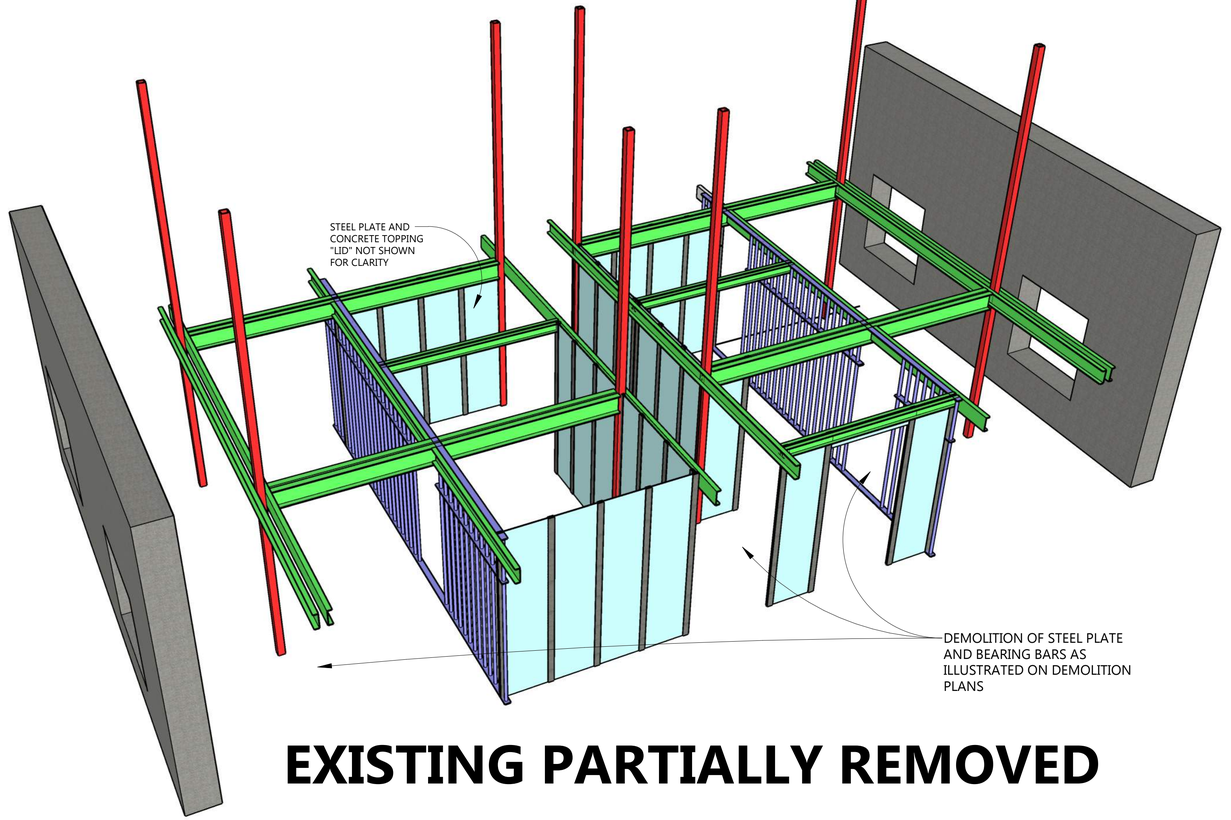
5. AFTER ALL NEW FRAMING MEMBERS ARE IN PLACE, CONNECTION TO SUPPORTING ELEMENTS AND SHIMMED/GROUTED, EXISTING STEEL PLATE/BAR WALLS MAY BE REMOVED OR MODIFIED AS SHOWN ON DEMOLITIONS DRAWINGS. THIRD FLOOR WALLS MAY NOT BE REMOVED OR MODIFIED UNTIL NEW FOURTH FLOOR FRAMING MEMBERS ARE IN PLACE. SECOND FLOOR WALL MAY NOT BE REMOVED UNTIL THIRD FLOOR AND FOURTH FLOOR FRAMING IS IN PLACE.

6. PATCH FLOOR AREAS REMOVED FOR PLACEMENT OF NEW COLUMNS.

7. ALL FIELD WELDING AND FIELD BOLTING WILL REQUIRED OBSERVATION AND INSPECTION BY INSPECTOR DESIGNATED BY INDEPENDENT RESTING AGENCY. COORDINATE AND COMMUNICATE WITH TESTING AGENCY TO ASSURE AN ORDERLY AND TIMELY INSPECTION PRIOR TO COVERING NEW STEEL WITH FINISH MATERIAL.

FRAMING ADDED





EXISTING PARTIALLY REMOVED

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DRAWING TITLE:
STRUCTURAL VISUALS

DRAWN BY: MLB
CHECKED BY: DHM
PROJ. NO: 18531

DRAWING NO: **S6.00**

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DEMOLITION KEYNOTES:

1. EXISTING CONCRETE CURB, TO REMAIN
2. REMOVE FIRE ESCAPE
3. REMOVE PLUMBING FIXTURES
4. REMOVE CASEWORK
5. REMOVE MECHANICAL DISTRIBUTION SYSTEM
6. REMOVE ELEVATOR CAR, RAILS, AND ASSOCIATED MECHANICAL & ELECTRICAL EQUIPMENT & ACCESSORIES. DOORS ARE TO BE SALVAGED
7. PRESERVE EXISTING HISTORIC WINDOW/DOOR, DO NOT DEMOLISH
8. CREATE NEW OPENING
9. REMOVE PAINT FROM BOTH SIDES OF WIRE GLASS TO RESTORE TRANSPARENCY, SEE 3 / A6.00
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39. EXIST. AREA WELL, COVER ANY PENETRATIONS THROUGH BASEMENT WALL, REMOVE EXIST. WALLS TO 4" BELOW FINISH GRADE, BACKFILL
40. REMOVE CLAY TILE AT WALLS
41. CELL DOOR OPERATING DEVICE TO REMAIN, PROTECT
42. EXISTING SINK, TO REMAIN
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= EXISTING WALL OR BARS TO REMAIN

= FLOOR TO BE DEMOLISHED

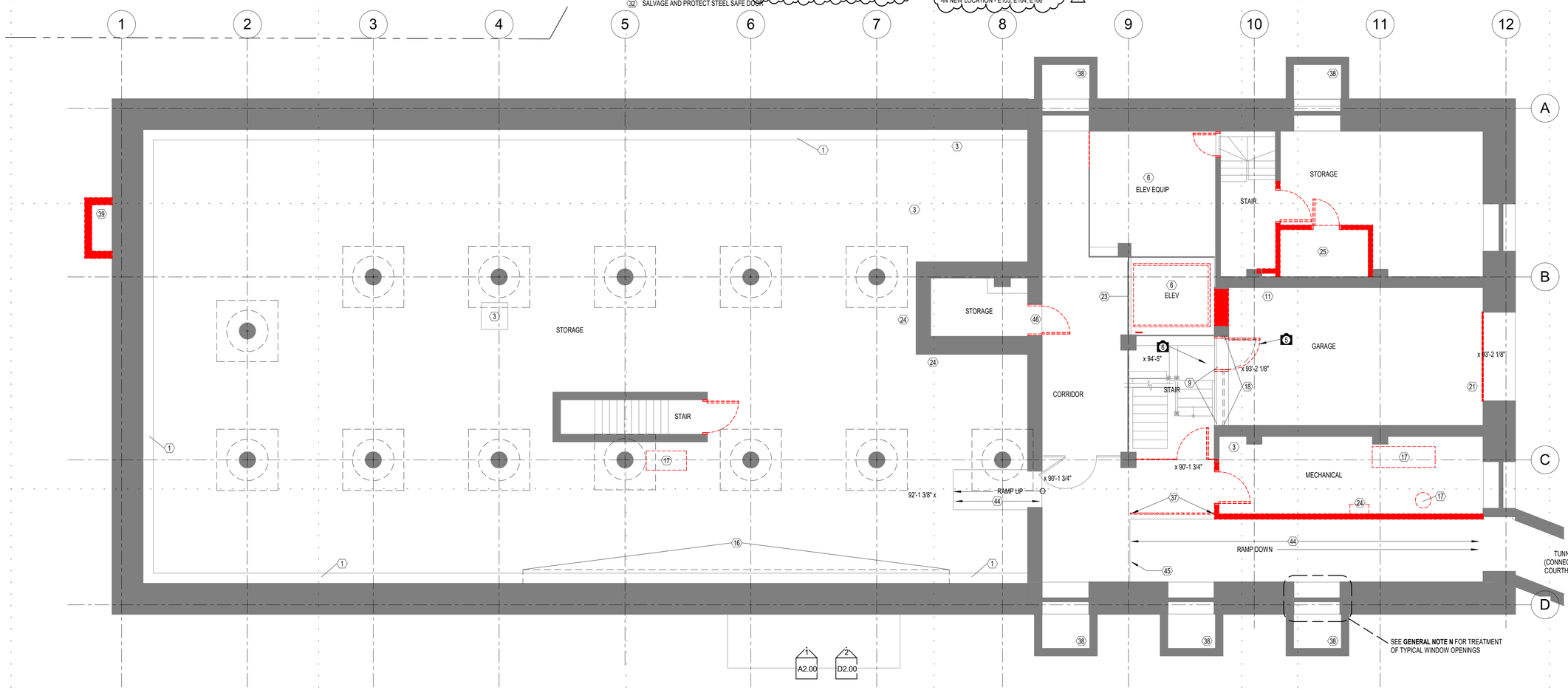
= SEE D1.90 FOR IMAGE OF AREA

X'-XX" = INDICATES SPOT ELEVATION

DOORS TO BE REUSED:
-IN CURRENT LOCATION - E105, E108, E109, E110, E115A, E115B, E116
-IN NEW LOCATION - E103, E104, E106

DEMOLITION GENERAL NOTES:

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C. SEE SITE DEMOLITION PLAN FOR ADDITIONAL DEMO WORK
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G. REMOVE FLOOR COVERINGS TO EXPOSE CONCRETE WITH EXCEPTION TO HISTORIC STAIRS. **ALL TERRAZZO FLOORING AT FIRST FLOOR TO REMAIN**
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J. REMOVE ALL ACOUSTICAL CEILING TILE SUSPENDED CEILINGS. PLASTER SUSPENDED CEILINGS TO REMAIN.
K. ALL DOOR TAGS WITH A PREFIX OF 'E' ARE EXISTING DOORS THAT SHALL REMAIN OR BE SALVAGED AND REUSED IN A NEW LOCATION
L. REMOVE ALL RADIATORS
M. AT HISTORIC STAIR, PRESERVE ANY EXISTING LATH/PLASTER THAT IS FIXED TO BOTTOM OF STEEL STAIR RUNS/LANDINGS
N. REMOVE GLASS BLOCK, EXISTING AWNING OR CASEMENT WINDOWS, LOUVERS, SWINGING INTERIOR SCREENS OR SWINGING INTERIOR GLASS DOORS AND BARS FROM ALL WINDOW/DOOR OPENINGS U.N.O. **NOTE:** ALL OPENINGS DO NOT CONTAIN ALL OF THESE ITEMS. SEE NOTES ON A5.31 ABOUT RETAINING BOTTOM LEVEL OF BARS AT WINDOWS AT FLOORS 2-4
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1 BASEMENT PLAN - EXISTING AND DEMO
3/16" = 1'-0"

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PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
BASEMENT DEMO PLAN

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **D1.00**

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
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DEMOLITION KEYNOTES:

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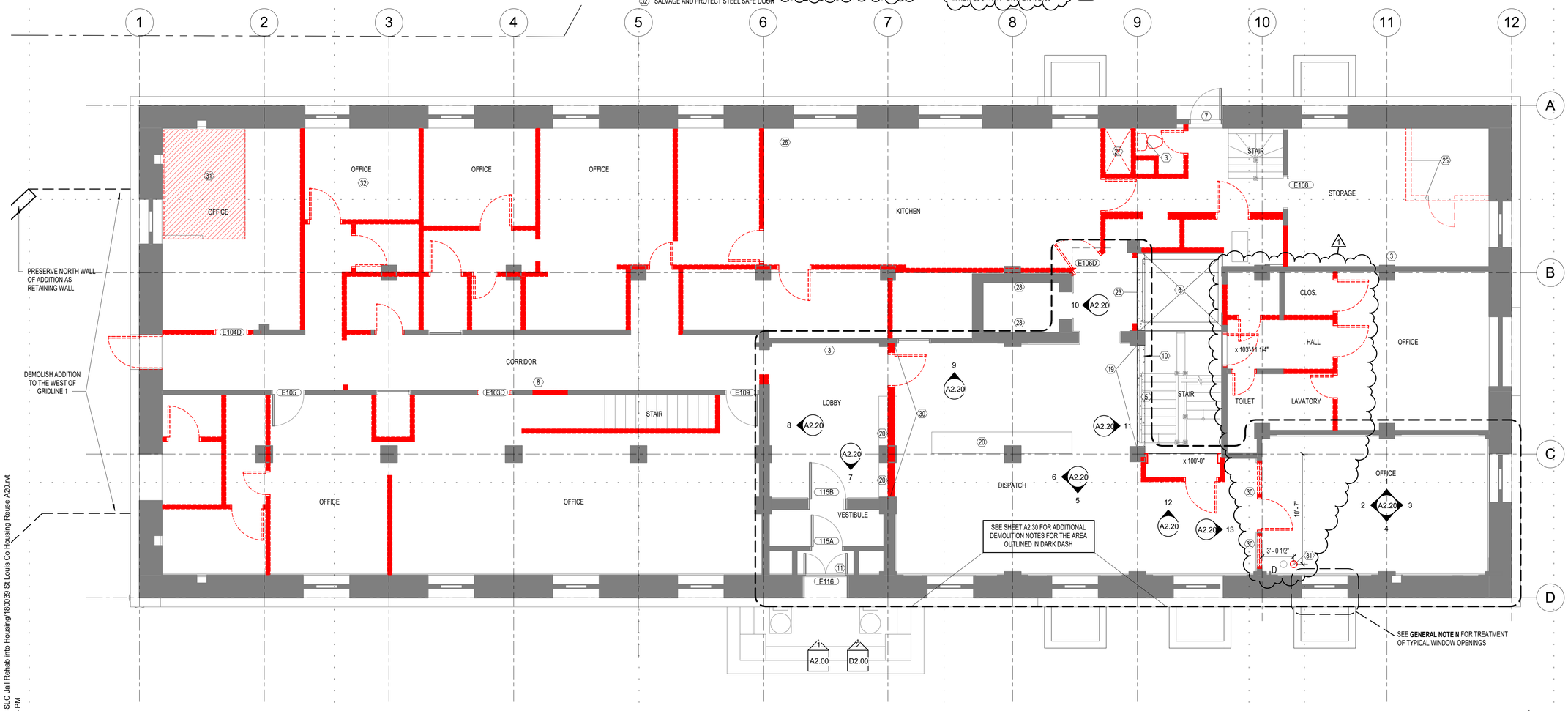
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1 FIRST FLOOR - EXISTING AND DEMO
3/16" = 1'-0"

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CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
FIRST FLOOR DEMO PLAN

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **D1.10**

DEMOLITION KEYNOTES:

1. EXISTING CONCRETE CURB, TO REMAIN
2. REMOVE FIRE ESCAPE
3. REMOVE PLUMBING FIXTURES
4. REMOVE CASEWORK
5. REMOVE MECHANICAL DISTRIBUTION SYSTEM
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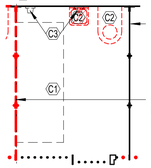
= SEE D1.90 FOR IMAGE OF AREA

X'-XX" = INDICATES SPOT ELEVATION

DOORS TO BE REUSED:
-IN CURRENT LOCATION - E105, E108, E109, E110, E115A, E115B, E116
-IN NEW LOCATION - E103, E104, E106

CELL DEMOLITION KEYNOTES:

C1. REMOVE FLIP DOWN BEDS AND SUPPORTS
C2. REMOVE SINK AND TOILET
C3. REMOVE LIGHT, 1 PER CELL TYPICAL
C4. REMOVE RADIATOR



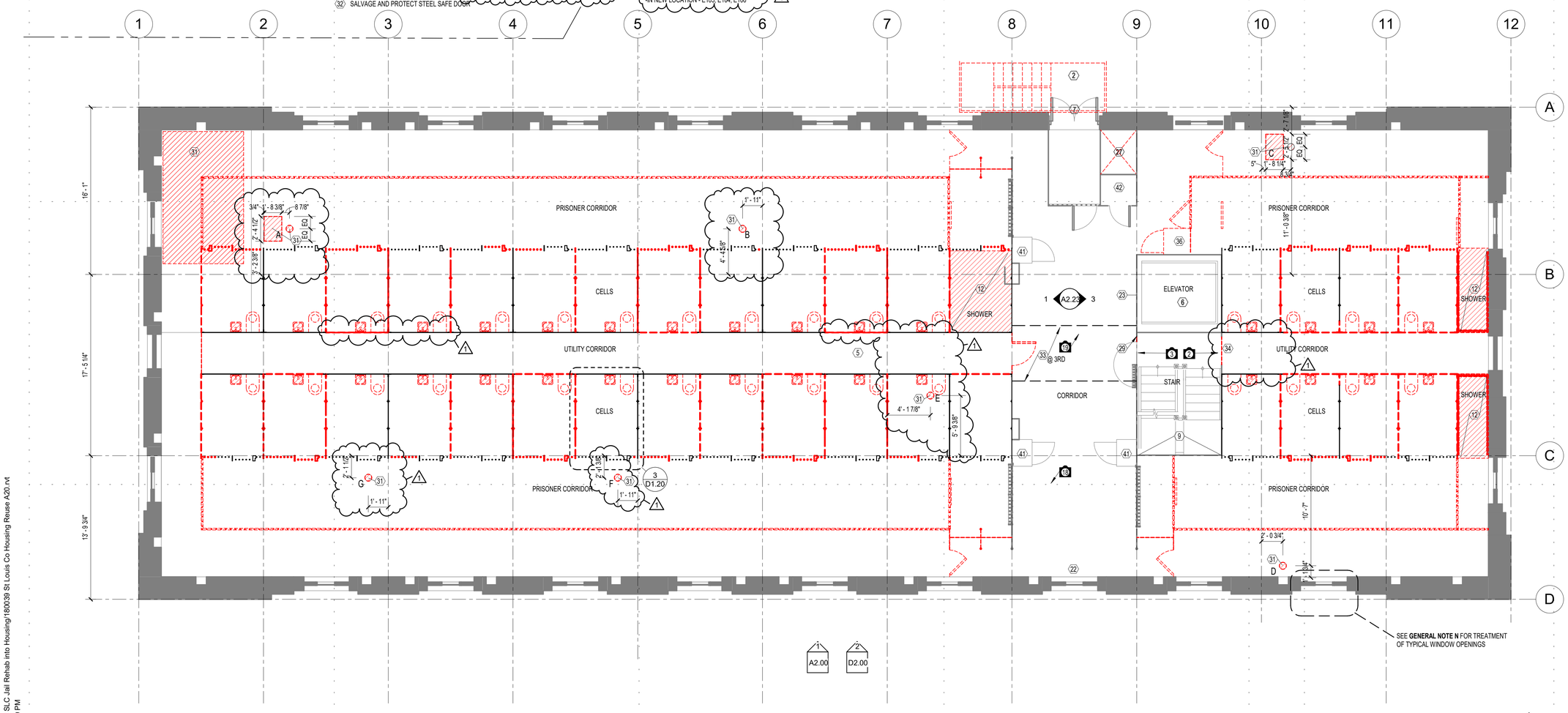
BLACK CELL WALLS/BARS ON THE BUILDING DEMO PLANS INDICATE THEY SHALL REMAIN

RED DASHED CELL WALLS/BARS ON THE BUILDING DEMO PLANS INDICATE STEEL PLATE WALLS SHALL BE DEMO'D FROM THE BOTTOM OF THE NEW STRUCTURAL STEEL CHANNELS DOWN TO THE FLOOR. BOTTOM HORIZONTAL CUT NEAR THE FLOOR MUST BE GRINDED DOWN TO BE FLUSH WITH EXISTING CONCRETE

3 2ND/3RD FLOOR - TYP. CELL DEMO
1/4" = 1'-0"

DEMOLITION GENERAL NOTES:

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1 SECOND FLOOR PLAN (3RD FLOOR SIM.) - EXISTING AND DEMO
3/16" = 1'-0"

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LHBcorp.com
701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

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Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
SECOND AND THIRD FLOOR DEMO PLANS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **D1.20**

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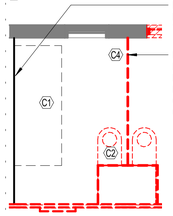
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C1. REMOVE FLIP DOWN BEDS AND SUPPORTS
C2. REMOVE SINK AND TOILET
C3. REMOVE LIGHT, 1 PER CELL TYPICAL
C4. REMOVE RADIATOR



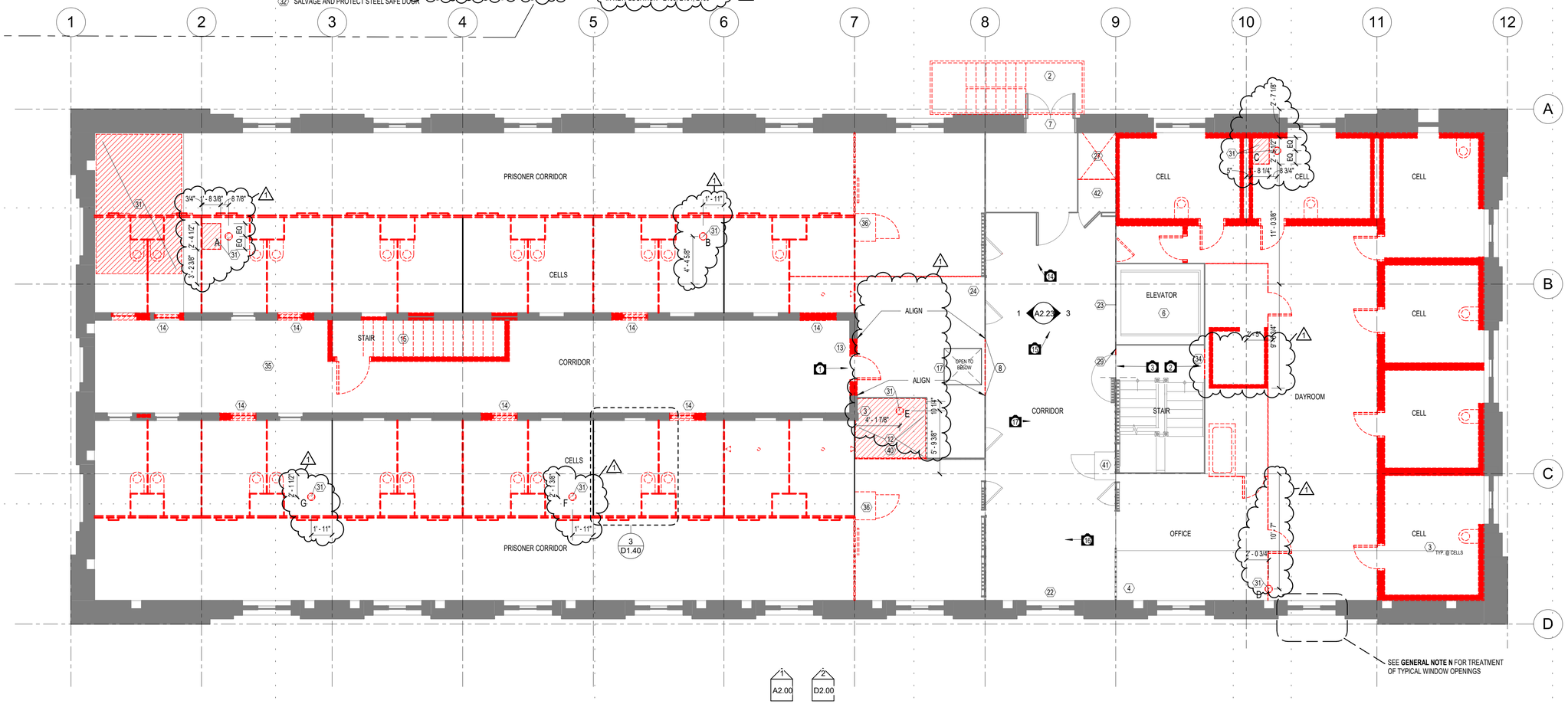
BLACK CELL WALLS/BARS ON THE BUILDING DEMO PLANS INDICATE THEY SHALL REMAIN

RED/DASHED CELL WALLS/BARS ON THE BUILDING DEMO PLANS INDICATE STEEL PLATE SHALL BE DEMO'D AND BOTTOM HORIZONTAL CUT NEAR THE FLOOR MUST BE GRINDED DOWN TO BE FLUSH WITH EXISTING CONCRETE

3 4TH FLOOR - TYP. CELL DEMO
1/4" = 1'-0"

DEMOLITION GENERAL NOTES:

A. CONSULT ARCHITECT FOR CLARIFICATION OF INTENT IF UNCLEAR AND IF SPECIAL CONDITIONS ARE ENCOUNTERED
B. PROTECT MATERIALS TO REMAIN
C. SEE SITE DEMOLITION PLAN FOR ADDITIONAL DEMO WORK
D. COORDINATE DEMOLITION WITH REHAB & NEW CONSTRUCTION
E. REMOVE AND CAP MECHANICAL, PLUMBING, FIRE PROTECTION DEVICES, AND DISTRIBUTION SYSTEMS - SEE MECH. PLANS FOR SYSTEMS TO REMAIN
F. REMOVE ALL ELECTRICAL DEVICES AND DISTRIBUTION SYSTEMS - SEE ELEC. PLANS FOR SYSTEMS TO REMAIN
G. REMOVE FLOOR COVERINGS TO EXPOSE CONCRETE WITH EXCEPTION TO HISTORIC STAIRS. **ALL TERRAZZO FLOORING AT FIRST FLOOR TO REMAIN**
H. REMOVE MISC. MECHANICAL, ELECTRICAL AND PLUMBING EQUIP. NOT NOTED TO REMAIN - PROTECT OPENINGS
I. REMOVE ALL EXISTING WINDOWS UNO. SEE WINDOW SCHEDULE AND DETAILS FOR NOTES PERTAINING TO REPAIR OF WINDOWS AND FRAMES TO REMAIN.
J. REMOVE ALL ACOUSTICAL CEILING TILE SUSPENDED CEILINGS. PLASTER SUSPENDED CEILINGS TO REMAIN.
K. ALL DOOR TAGS WITH A PREFIX OF 'E' ARE EXISTING DOORS THAT SHALL REMAIN OR BE SALVAGED AND REUSED IN A NEW LOCATION
L. REMOVE ALL RADIATORS
M. AT HISTORIC STAIR, PRESERVE ANY EXISTING LATH/PLASTER THAT IS FIXED TO BOTTOM OF STEEL STAIR RUNS/LANDINGS
N. REMOVE GLASS BLOCK, EXISTING AWNING OR CASEMENT WINDOWS, LOUVERS, SWINGING INTERIOR SCREENS OR SWINGING INTERIOR GLASS DOORS AND BARS FROM ALL WINDOW/DOOR OPENINGS U.N.O. **NOTE:** ALL OPENINGS DO NOT CONTAIN ALL OF THESE ITEMS. SEE NOTES ON A5.31 ABOUT RETAINING BOTTOM LEVEL OF BARS AT WINDOWS AT FLOORS 2-4
O. VERIFY DIMENSIONAL EXTENTS OF ALL SHAFT OPENING THROUGH FLOOR/CEILING ASSEMBLIES WITH MECHANICAL DESIGN REQUIREMENTS



1 FOURTH FLOOR PLAN - EXISTING AND DEMO
3/16" = 1'-0"

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LHBcorp.com
701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

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Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
FOURTH FLOOR DEMO PLAN

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **D1.40**

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7/10/2021 2:47:53 PM

DEMOLITION KEYNOTES:

1. EXISTING CONCRETE CURB, TO REMAIN
2. REMOVE FIRE ESCAPE
3. REMOVE PLUMBING FIXTURES
4. REMOVE CASEWORK
5. REMOVE MECHANICAL DISTRIBUTION SYSTEM
6. REMOVE ELEVATOR CAR, RAILS, AND ASSOCIATED MECHANICAL & ELECTRICAL EQUIPMENT & ACCESSORIES, DOORS ARE TO BE SALVAGED
7. PRESERVE EXISTING HISTORIC WINDOW/DOOR, DO NOT DEMOLISH
8. CREATE NEW OPENING
9. REMOVE PAINT FROM BOTH SIDES OF WIRE GLASS TO RESTORE TRANSPARENCY, SEE 3 / A6.00
10. REMOVE FIRE EXTINGUISHER BOX
11. SALVAGE AND PROTECT EXISTING HISTORIC RIOT DOORS
12. REMOVE RAISED FLOOR AREA
13. REMOVE CMU TO WIDEN OPENING TO ORIGINAL WIDTH
14. ENLARGE WINDOW OPENING TO ACCOMMODATE NEW DOOR OPENING
15. REMOVE STAIR
16. REMOVE EXISTING LOCKERS
17. REMOVE MECHANICAL EQUIPMENT
18. REMOVE BARS
19. REMOVE GYP. BOARD AND METAL STUD WALL
20. PRESERVE HISTORIC COUNTER AND CASEWORK IN PLACE
21. REMOVE OH GARAGE DOOR AND TRACK
22. PRESERVE BARS AT THIS WINDOW LOCATION
23. REMOVE EXISTING ELEVATOR DOORS AND SALVAGE
24. REMOVE ELECTRICAL/LOW VOLTAGE EQUIPMENT
25. REMOVE REFRIGERATION ROOM INCL. FLOOR
26. REMOVE ALL KITCHEN EQUIPMENT
27. REMOVE DUMB WAITER
28. REMOVE SHELVING
29. ENLARGE OPENING IN THE PLAN NORTH DIRECTION TO MAKE WIDTH 32" CLR.
30. REMOVE EXISTING INTERIOR WINDOWS AND FRAMES
31. REMOVE FLOOR IN HATCHED AREA FOR OPENING SIZES IN MECH. SHAFT LOCATIONS, SEE A4.20
32. SALVAGE AND PROTECT STEEL SAFE DOOR
33. EXIST. DUCT ENCLOSURE ABOVE, REMOVE BOTTOM COVER FOR NEW WORK TO BE INSTALLED (3RD FLOOR CEILING ONLY). REINSTALL AFTER WORK COMPLETE
34. REMOVE ACCESS PANEL AND CUT IN 80" CLR. TALL x 32" CLR. WIDE OPENING
35. REMOVE GATE
36. REMOVE CELL DOOR OPERATING DEVICE, SALVAGE AND PROTECT
37. REMOVE EXISTING PIPE RAILING
38. EXIST. AREA WELL TO REMAIN. CLEAN OUT DEBRIS
39. EXIST. AREA WELL, COVER ANY PENETRATIONS THROUGH BASEMENT WALL, REMOVE EXIST. WALLS TO 4" BELOW FINISH GRADE, BACKFILL
40. REMOVE CLAY TILE AT WALLS
41. CELL DOOR OPERATING DEVICE TO REMAIN, PROTECT
42. EXISTING SINK, TO REMAIN
43. NOT USED
44. EXISTING RAMP
45. NOT USED
46. REMOVE DOOR FRAME

= DOOR, FRAME AND SILL TO REMAIN

= DOOR, FRAME AND SILL TO BE REMOVED, SALVAGE DOORS THAT HAVE DOOR TAG NUMBERS - THESE ARE TO BE REUSED IN NEW LOCATIONS

= WALL OR BARS TO BE REMOVED, PROTECT WALLS AND COLUMNS THAT ARE TO REMAIN

= EXISTING WALL OR BARS TO REMAIN

= FLOOR TO BE DEMOLISHED

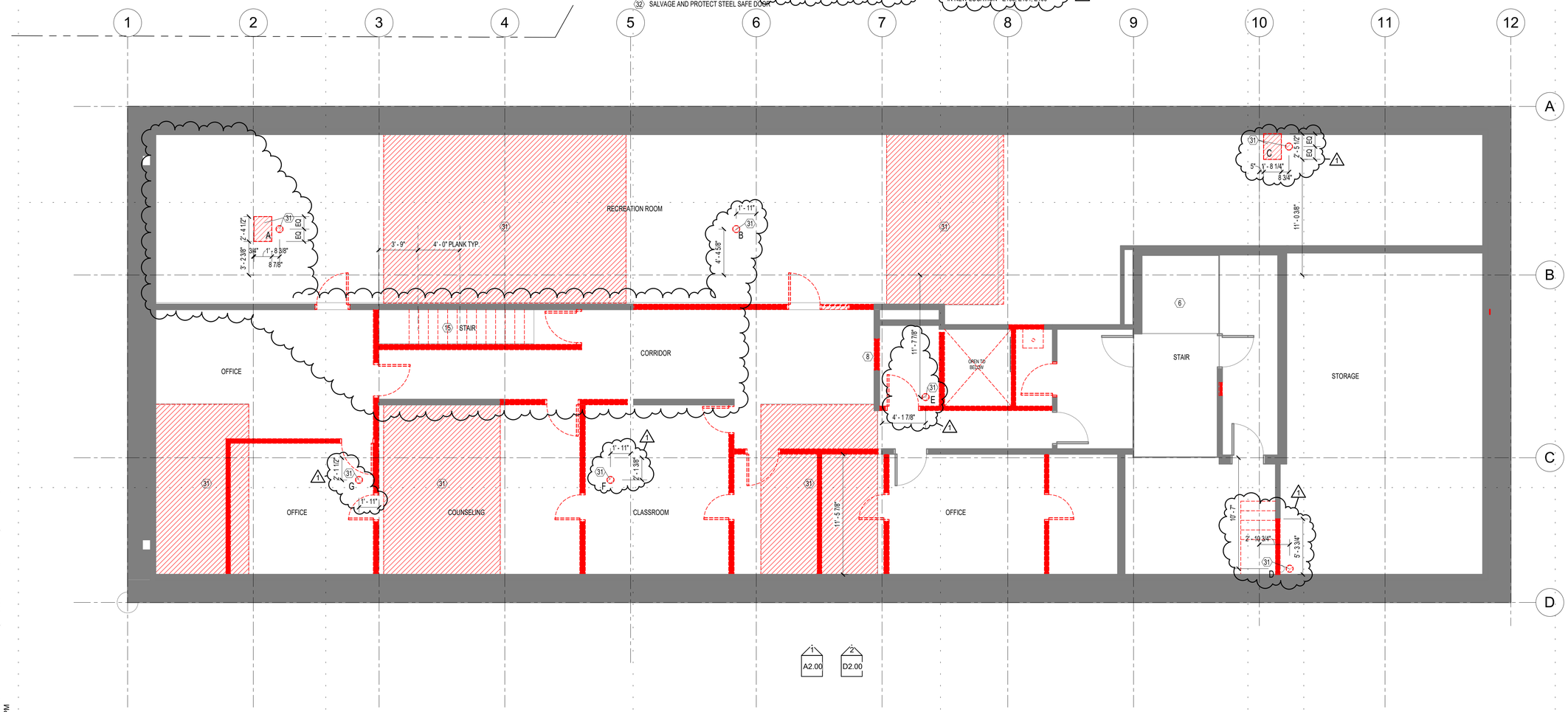
= SEE D1.90 FOR IMAGE OF AREA

X'-XX" = INDICATES SPOT ELEVATION

DOORS TO BE REUSED:
-IN CURRENT LOCATION - E105, E108, E109, E110, E115A, E115B, E116
-IN NEW LOCATION - E103, E104, E106

DEMOLITION GENERAL NOTES:

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1 **FIFTH FLOOR PLAN - EXISTING AND DEMO**
3/16" = 1'-0"

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
FIFTH FLOOR DEMO PLAN

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **D1.50**

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AT ENTIRE HISTORIC STAIR, PRESERVE EXISTING LATH/PLASTER THAT HAS BEEN APPLIED TO BOTTOM OF STEEL STAIR/LANDINGS

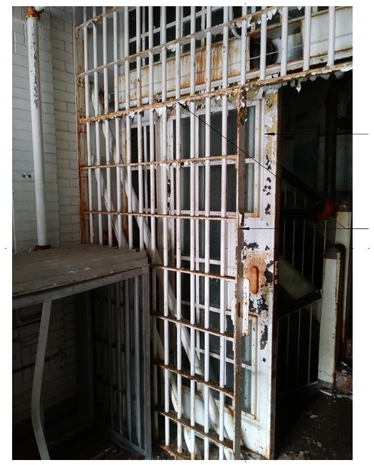
INSTALL NEW GYP. BOARD OVER ALL AREAS OF B.O. STEEL STAIR/LANDINGS THAT DO NOT HAVE THE EXIST. LATH/PLASTER. SKIM COAT ALL TO MATCH.

1 HISTORIC STAIR - BOTTOM OF STAIRS/LANDINGS



REMOVE CMU TO WIDEN OPENING

1 4TH FLOOR CORRIDOR ENTRY TO BE WIDENED



PRESERVE STEEL WALL WITH WIRE GLAZING. REMOVE ANY PAINT FROM BOTH SIDES OF WIRE GLASS TO RESTORE TRANSPARENCY

REMOVE BARS

3 BAR REMOVAL AT GARAGE



CUT NEW OPENING IN EAST SIDE OF STAIR LANDING AT 2ND, 3RD AND 4TH. OPENING DIMENSIONS AND ALIGNMENT TO MATCH OPENING OF ENLARGED DOORWAY AT THE WEST SIDE OF LANDING THAT LEADS TO THE HISTORIC GUARD CORRIDOR

2 CUT NEW OPENING AT EAST CORRIDOR



PRESERVE STEEL WALL WITH WIRE GLAZING. REMOVE ANY PAINT FROM BOTH SIDES OF WIRE GLASS TO RESTORE TRANSPARENCY

REMOVE BARS AT GARAGE BEYOND

3 PRESERVE STEEL AND GLASS WALLS AT HISTORIC STAIR TYP.



FIX EXISTING DOOR IN FULLY OPEN/180 DEGREE POSITION AT FLOORS 2, 3, AND 4

FINISHED OPENING DIMENSION TO BE 32" CLR. MIN.

STAIR DOOR OPENING TO BE ENLARGED AT FLOORS 2, 3 AND 4.

CUT PLAN NORTH JAMB OF DOOR TO INCREASE OPENING WIDTH

3 STAIR DOOR OPENING TO BE ENLARGED AT FLOORS 2,3, AND 4

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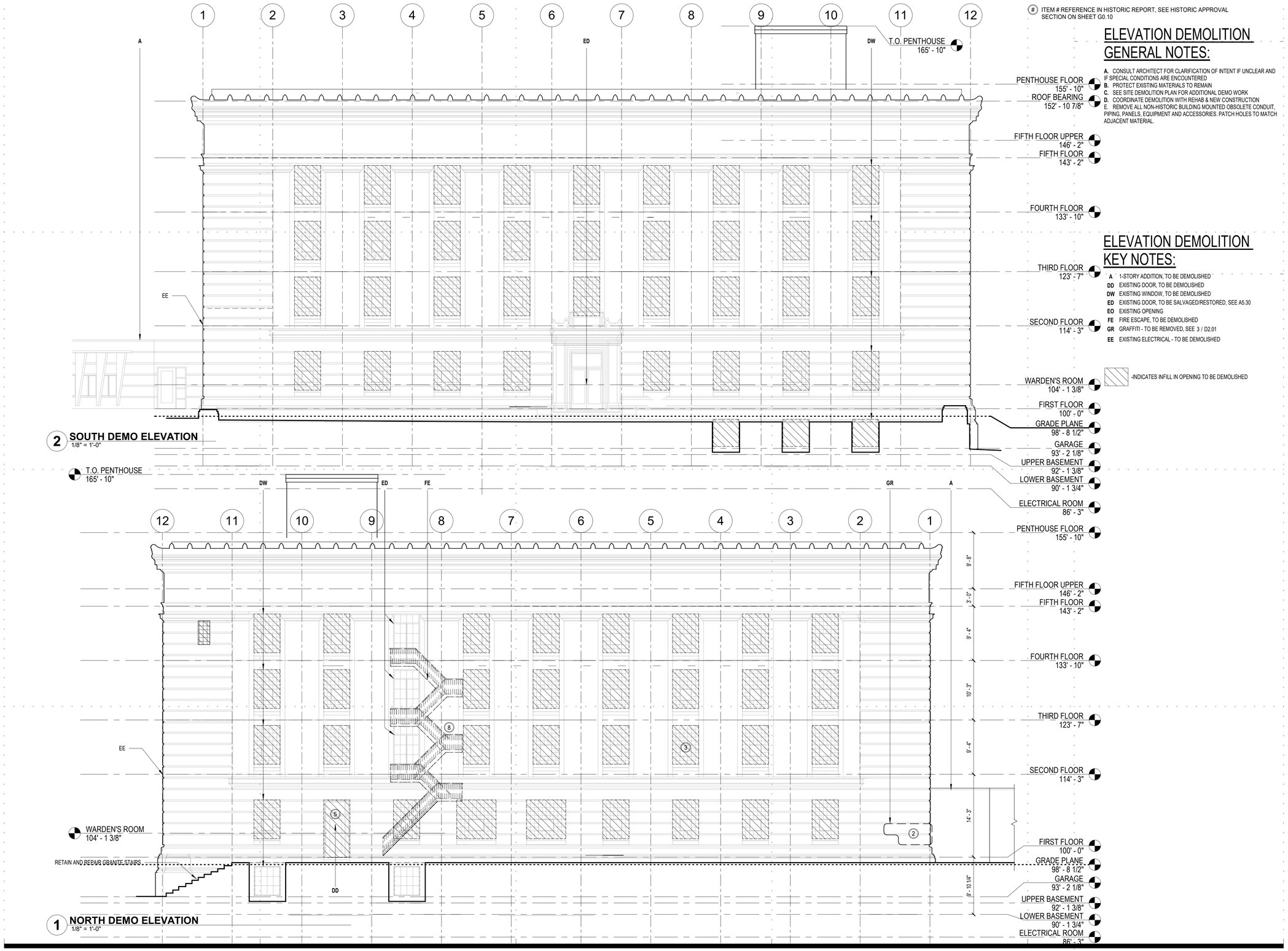
DRAWING TITLE:

DEMOLITION DETAILS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **D1.90**

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ELEVATION DEMOLITION GENERAL NOTES:

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

A. CONSULT ARCHITECT FOR CLARIFICATION OF INTENT IF UNCLEAR AND IF SPECIAL CONDITIONS ARE ENCOUNTERED
B. PROTECT EXISTING MATERIALS TO REMAIN
C. SEE SITE DEMOLITION PLAN FOR ADDITIONAL DEMO WORK
D. COORDINATE DEMOLITION WITH REHAB & NEW CONSTRUCTION
E. REMOVE ALL NON-HISTORIC BUILDING MOUNTED OBSOLETE CONDUIT, PIPING, PANELS, EQUIPMENT AND ACCESSORIES. PATCH HOLES TO MATCH ADJACENT MATERIAL.

ELEVATION DEMOLITION KEY NOTES:

A	1-STORY ADDITION, TO BE DEMOLISHED
DD	EXISTING DOOR, TO BE DEMOLISHED
DW	EXISTING WINDOW, TO BE DEMOLISHED
ED	EXISTING DOOR, TO BE SALVAGED/RESTORED, SEE A5.30
EO	EXISTING OPENING
FE	FIRE ESCAPE, TO BE DEMOLISHED
GR	GRAFFITI - TO BE REMOVED, SEE 3 / D2.01
EE	EXISTING ELECTRICAL - TO BE DEMOLISHED

-INDICATES INFILL IN OPENING TO BE DEMOLISHED

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DRAWING TITLE:
EXTERIOR DEMOLITION ELEVATIONS

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **D2.00**

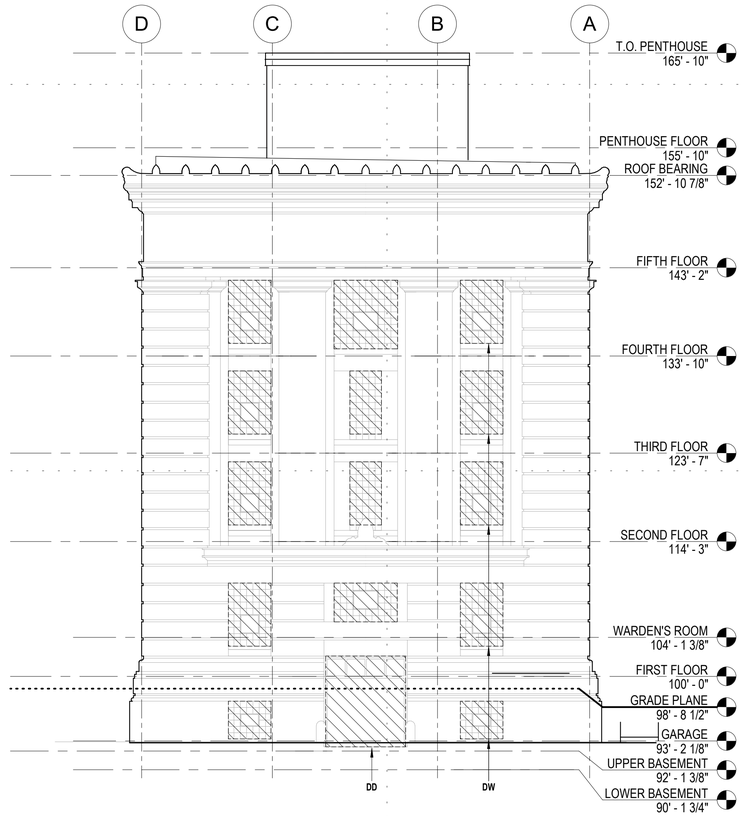
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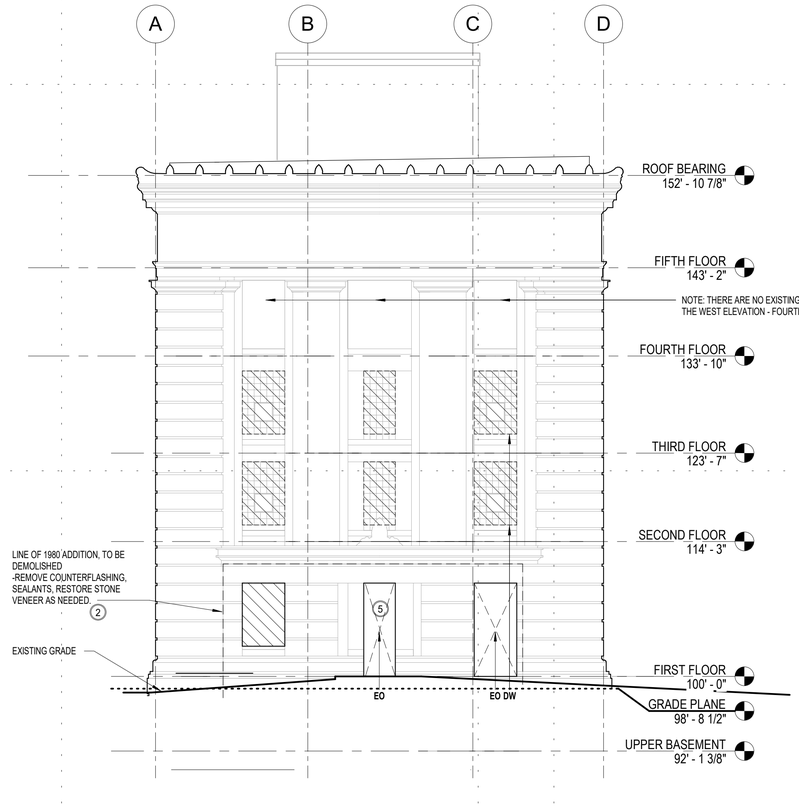
GRAFFITI TO BE REMOVED

WASH WATERTABLE STONEWORK AT NORTH ELEVATION

3 GRAFITTI AT NW CORNER
12" = 1'-0"



2 EAST DEMO ELEVATION
1/8" = 1'-0"



1 WEST DEMO ELEVATION
1/8" = 1'-0"

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

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EO EXISTING OPENING
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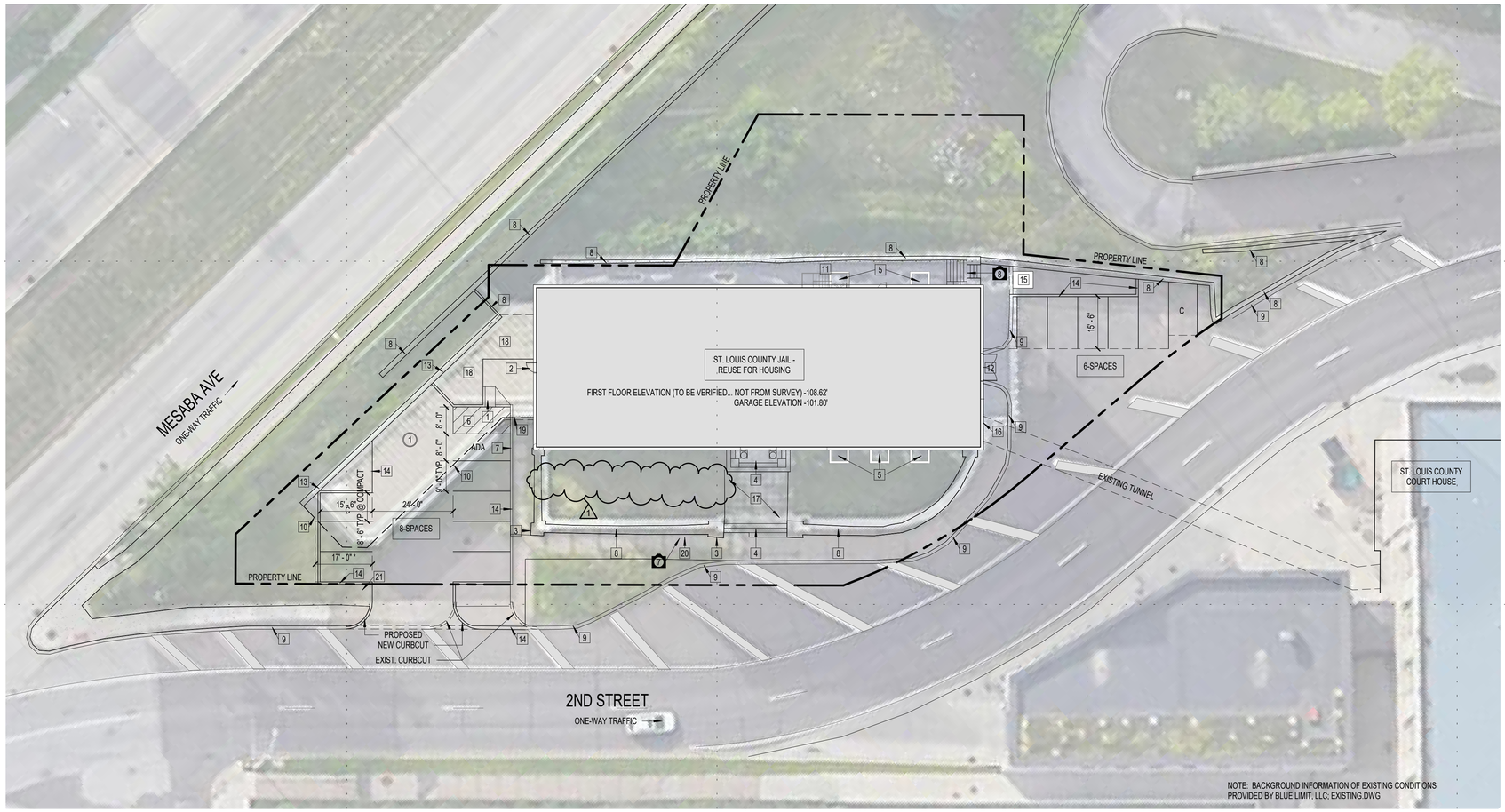
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DRAWING TITLE:
EXTERIOR DEMOLITION ELEVATIONS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **D2.01**

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1 ARCHITECTURAL SITE PLAN
1" = 20'-0"

ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

ZONING NOTES:

ZONING
-SITE IS ZONED F-5 (MID-RISE COMMUNITY SHOPPING AND OFFICE)

-SITE AREA = 24,539SF (.56 ACRES)

OFF-STREET PARKING REQUIRED (PER UDC TABLE 50-24-1 APPLICABILITY, EXCEPTION D)
-NO OFF-STREET PARKING SHALL BE REQUIRED WITHIN THE BOUNDARIES FO THE DOWNTOWN AREA SHOWN IN EXHIBIT 50-24.1-1. SITE IS WITHIN THIS AREA

DESIGN STANDARDS (TABLE 50-24-4)
-STALL SIZE
SMALL, 8.5FT. x 15 FT.
STANDARD, 9FT x 17FT.
-MIN. AISLE WIDTHS
90 DEGREE, TWO-WAY, 24FT.
-PERMITTED PERCENTAGE OF SMALL CARS
6 TO 100 SPACES = 40% MAX. % OF SMALL CARS

PROPOSED PARKING
-OFF-STREET SPACES
-12 STANDARD
-2 COMPACT
14 TOTAL SPACES

*THE AREA SET ASIDE FOR A PARKING SPACE MAY ENCROACH BEYOND THE FACE OF A CURB A MAX. OF 1.5FT, PROVIDED THAT (A) IT DOES NOT INCLUDE TREES, POSTS, OR OTHER OBSTRUCTIONS THAT WOULD PREVENT A VEHICLE FROM FULLY UTILIZING THE SPACE, AND (B) IT IS NOT INCLUDED IN REQUIRED OPEN SPACE, LANDSCAPE AREA REQUIREMENTS, OR REQUIRED PEDESTRIAN WALKWAYS.

SITE PLAN GENERAL NOTES:

A. XXX

SITE PLAN KEY NOTES:

1 PEDESTRIAN RAMP
2 ACCESSIBLE ENTRY
3 ACCESSIBLE ENTRY DIRECTIONAL SIGN
4 EXISTING STAIRS, TO BE REPAIRED AND REMAIN
5 EXISTING WINDOW WELLS, TO REMAIN
6 ACCESSIBLE PARKING ACCESS AISLE, AISLE TO BE STRIPED AND 'NO PARKING' IS TO BE PAINTED ON THE SURFACE
7 HANDICAPPED PARKING SIGN CENTERED ON STALL
8 EXISTING RETAINING WALL TO REMAIN
9 EXISTING CURB
10 EXISTING ADDITION OUTLINE, TO BE DEMOLISHED
11 EXISTING FIRE ESCAPE ABOVE
12 TRASH ROOM ACCESS
13 PLAN NORTH WALL OF DEMOLISHED ADDITION SHALL REMAIN AND SERVE AS RETAINING WALL
14 NEW CURB
15 NEW TRANSFORMER LOCATION (5' x 6' SHOWN)
16 FDC CONNECTION
17 GRANITE PAVERS TO REMAIN
18 LANDSCAPED AREA
19 POLE MOUNTED 'NO PARKING' SIGN
20 ADDRESS SIGN
21 STOP SIGN

=EXISTING CONCRETE WALK

ADDRESS SIGN
-PROVIDE LASER CUT STAINLESS STEEL 5" TALL INDIVIDUAL METAL LETTERS, FASTEN LETTERS TO STEEL BACKER PLATE WHICH IS TO BE FASTENED TO THE STONE AT MORTAR JOINTS ONLY. LETTERS TO HAVE 3/4" STANDOFFS
TEXT: 521 W. 2ND STREET
-PROVIDE LED BACKLIGHTING


REMOVE VEGETATION AND EXISTING CAULK - RE-CAULK

10 ENTRY STAIR - LOWER


REMOVE VEGETATION - RE-CAULK
REMOVE EXISTING CAULK
CAREFULLY REMOVE AND RESET (4) NUMBERED STONE STAIR COMPONENTS TO DRAIN AWAY FROM BUILDING FOUNDATION

NOTES:
1. ASSESS CONCRETE FOUNDATION BELOW FOR ADDITIONAL REHABILITATION - IF NECESSARY
2. COORDINATE WITH A/E REPRESENTATIVE PRIOR TO CONDUCTING THE WORK.
3. PROTECT ALL STONE PIECES TO REMAIN

9 ENTRY STAIR - UPPER


REMOVE EXISTING CAULK AT STAIR TREAD/RISER PERIMETER, RECAULK

8 EXTERIOR STAIR AT NE CORNER


7 ADDRESS SIGN

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521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
ARCHITECTURAL SITE PLAN

DRAWN BY: JGH
CHECKED BY:KMB
PROJ. NO: 180039

DRAWING NO: **A0.10**

BIM 360://180039 St.C Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:43:10 PM

BUILDING PLAN KEY NOTES:

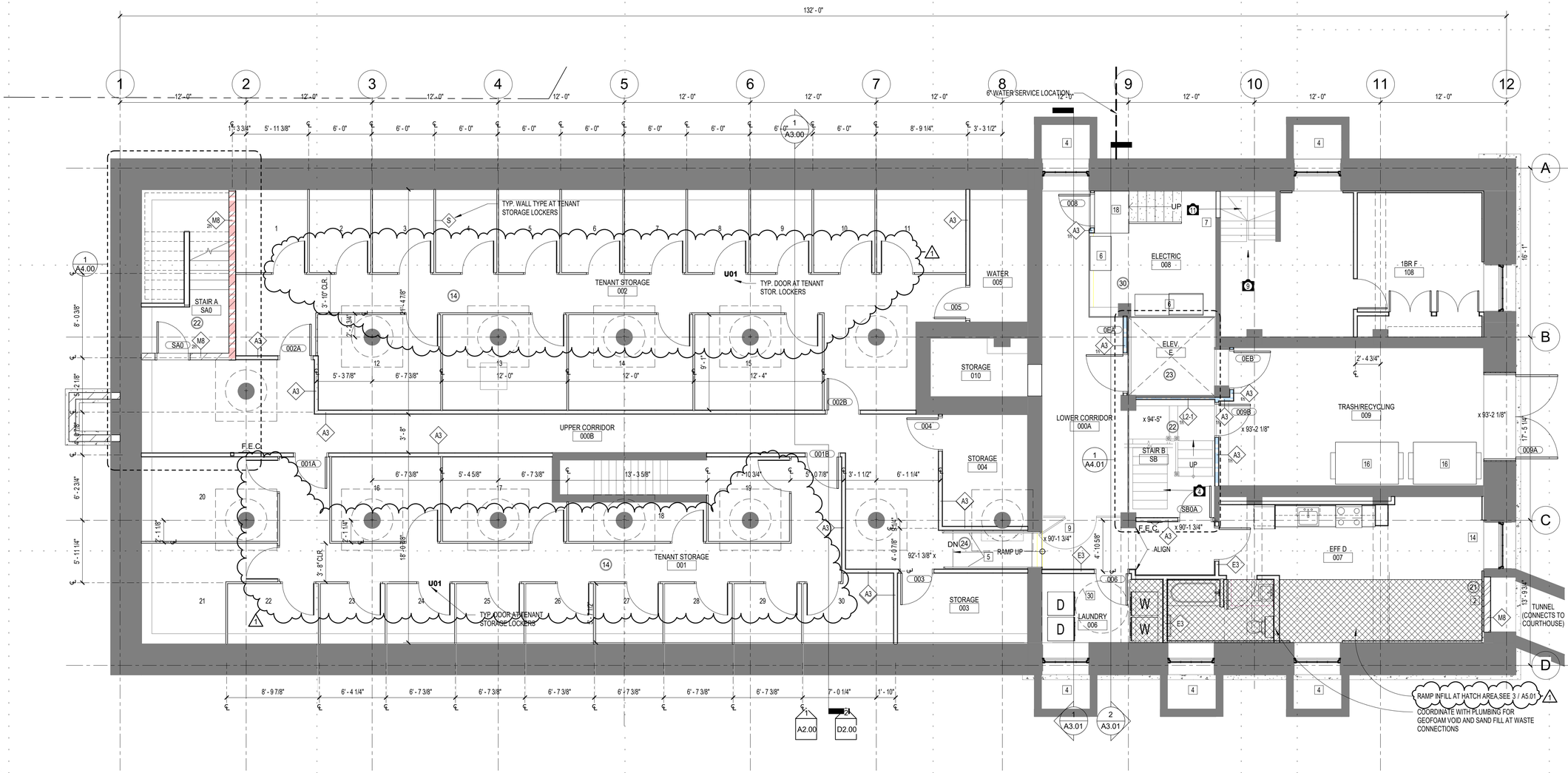
1. INFILL FLOOR AREA HATCHED
2. INFILL TUNNEL ENTRY WITH MASONRY
3. PROVIDE NEW STEEL STAIR
4. FILL BOTTOM OF AREA WELL WITH 4" OF ROCK MULCH, REMOVE EXISTING MATERIAL AS NECESSARY FOR T.O. MULCH TO BE 6" BELOW SILL
5. PROVIDE NEW PIPE HANDRAILS AT EACH SIDE OF EXIST. RAMP
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17. 2'x4' SKYLIGHT LOCATION ABOVE, SKYLIGHT TO BE CENTERED ON THE PRECAST PLANK EDGE JOINTS. SEE STRUCTURAL
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x 90'-XX" = INDICATES FLOOR LEVEL SPOT ELEVATIONS

GENERAL SHEET NOTES

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   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10



1 BASEMENT FLOOR PLAN
3/16" = 1'-0"

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CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS
1	7/12/2021	ADDENDUM 1

NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
BASEMENT PLAN

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A1.00**

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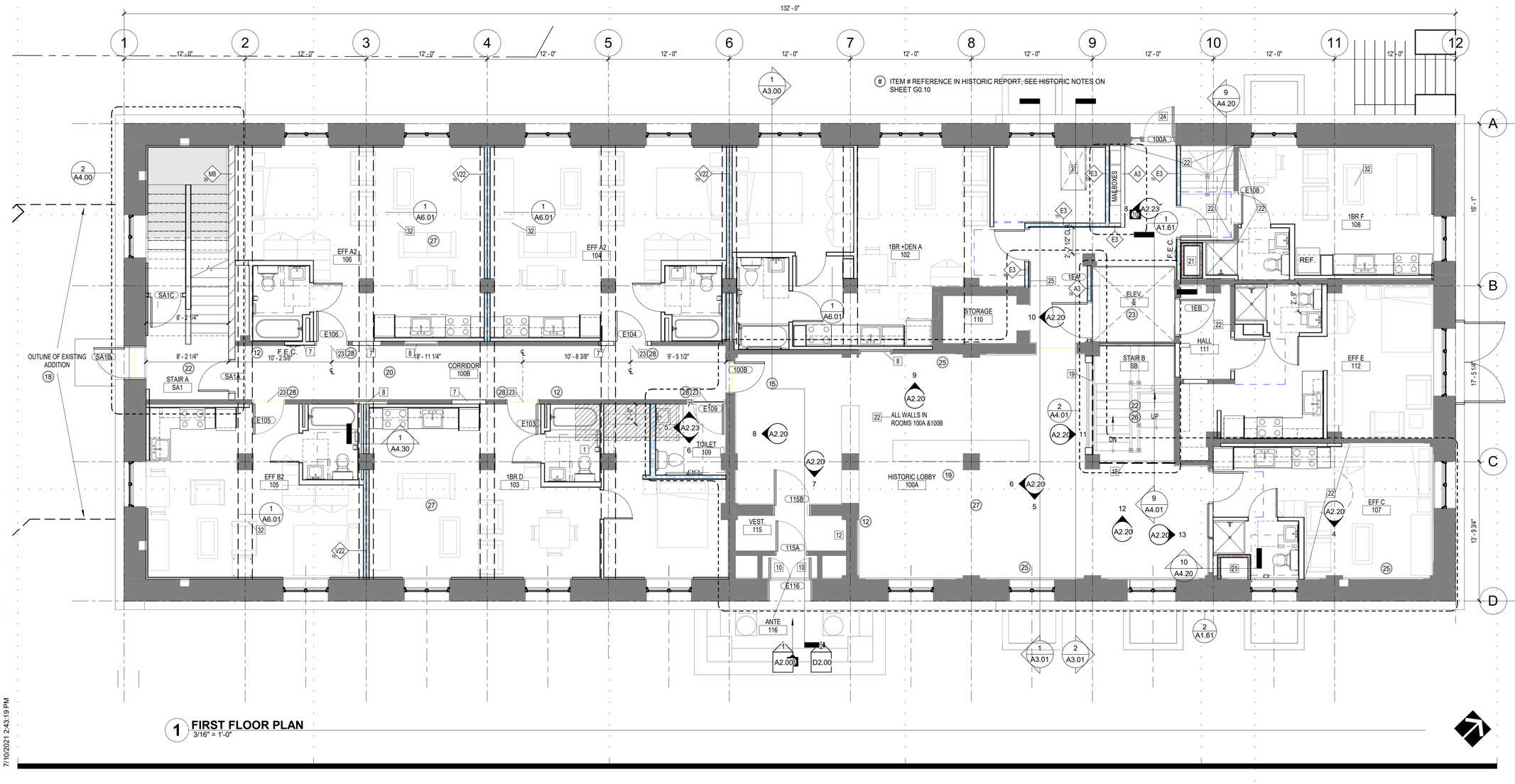
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1 **FIRST FLOOR PLAN**
3/16" = 1'-0"

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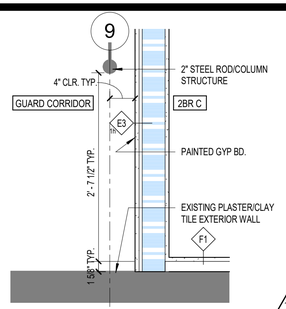
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
FIRST FLOOR PLAN

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A1.10**

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4 **SECOND FLOOR - Callout 1**
1" = 1'-0"

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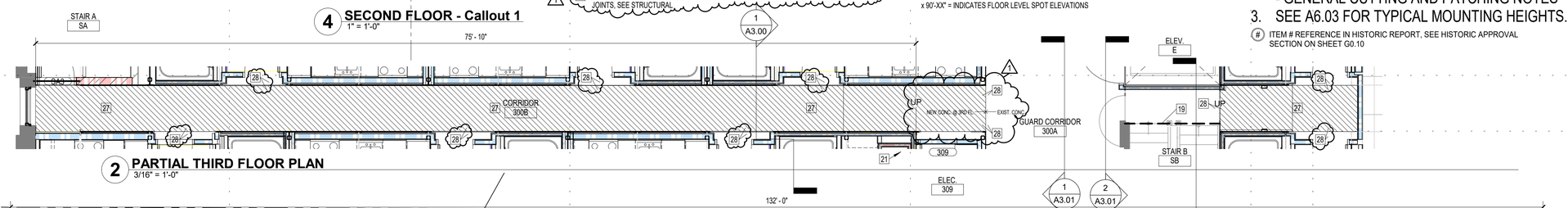
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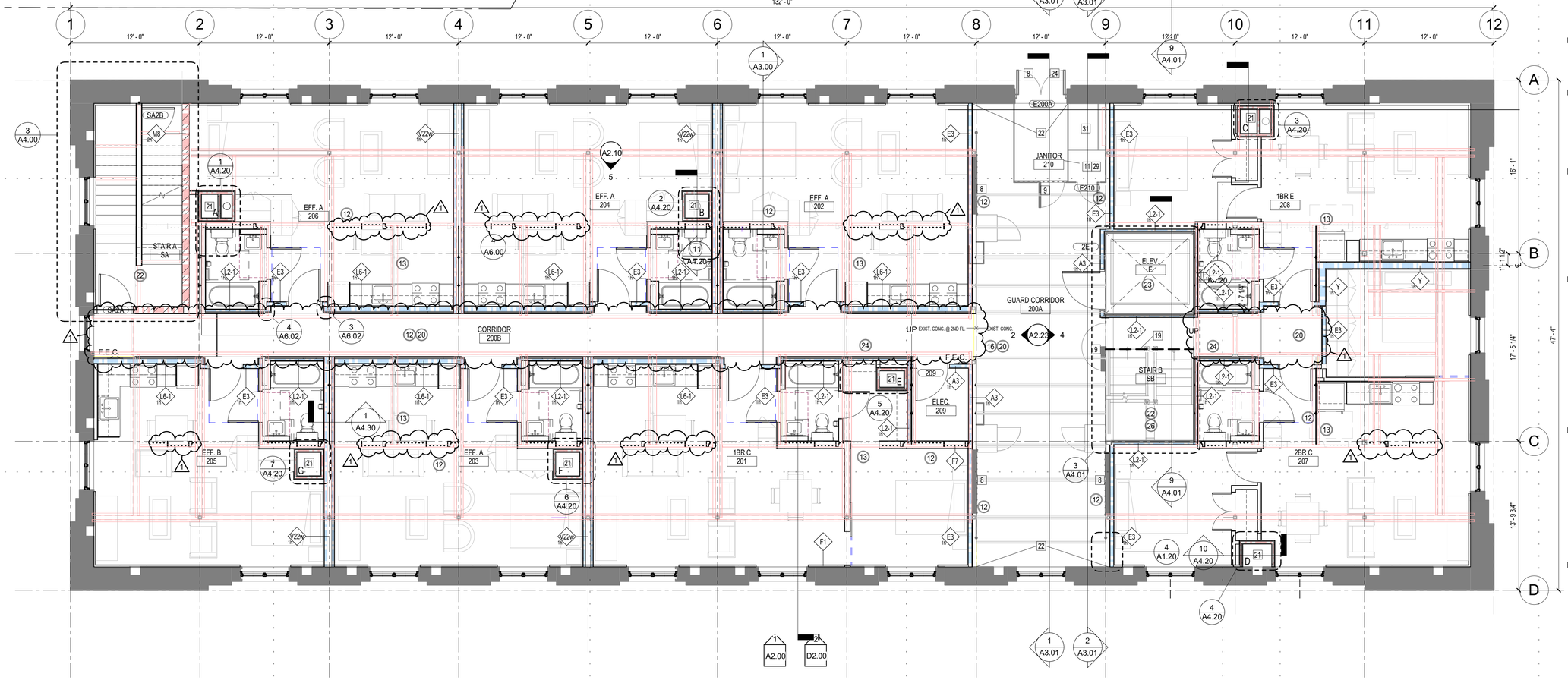
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(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10



2 **PARTIAL THIRD FLOOR PLAN**
3/16" = 1'-0"



1 **SECOND FLOOR PLAN (THIRD FLOOR SIM.)**
3/16" = 1'-0"

NOTE: ALL ROOM AND DOOR #'S @ 3RD FLOOR ARE THE SAME AS 2ND FLOOR WITH A PREFIX OF 3

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
SECOND AND THIRD FLOOR PLANS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A1.20**

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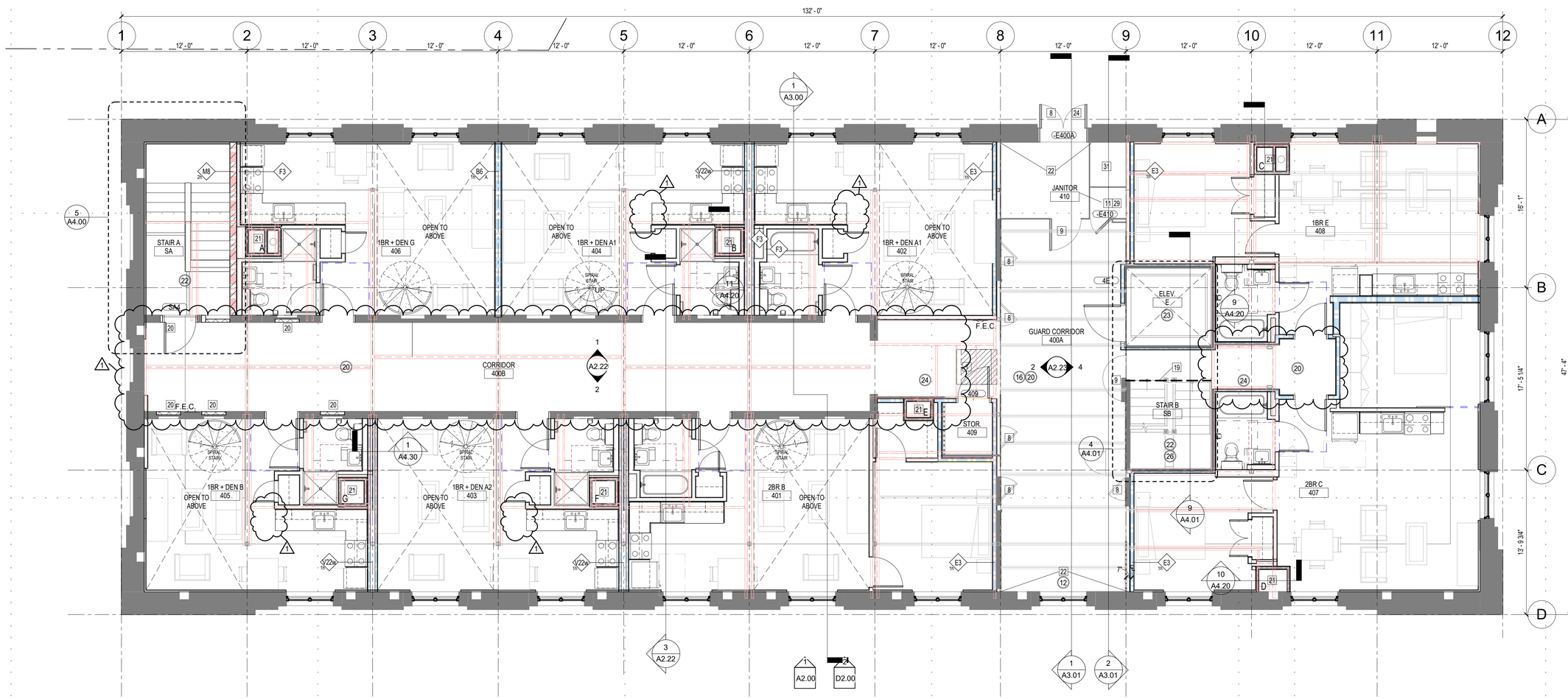
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1 **FOURTH FLOOR PLAN**
3/16" = 1'-0"

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Duluth, MN 55802

DRAWING TITLE:
FOURTH FLOOR PLAN

DRAWN BY: Author
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DRAWING NO: **A1.40**

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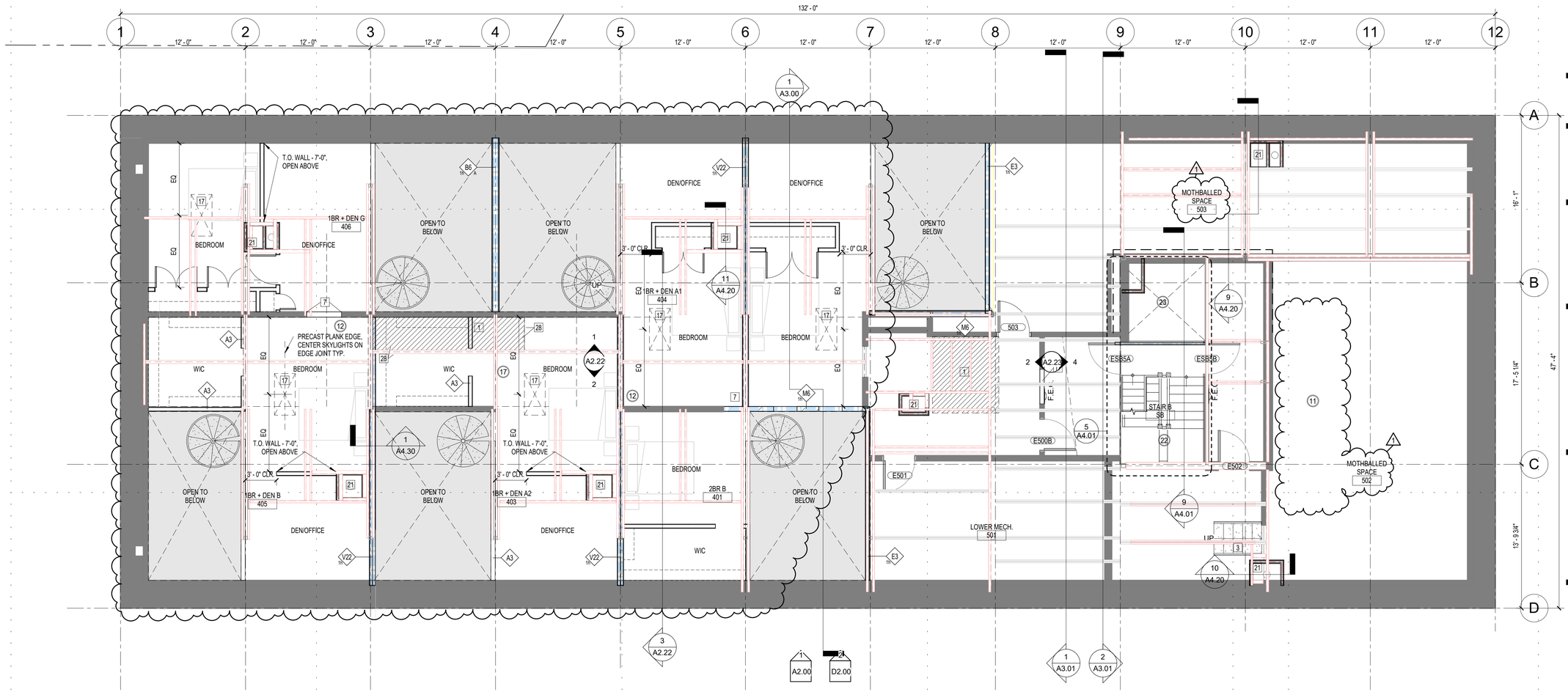
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1 **FIFTH FLOOR PLAN**
3/16" = 1'-0"

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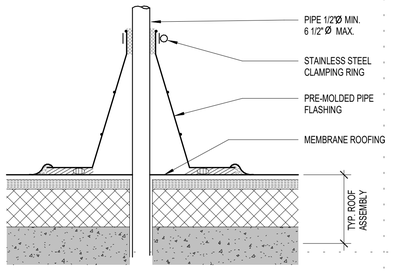
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DRAWING TITLE:
FIFTH FLOOR PLAN

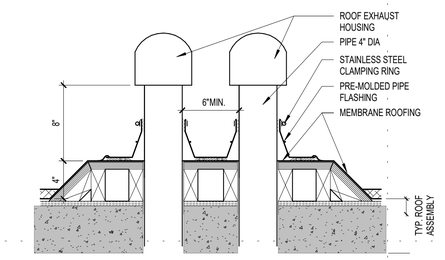
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CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A1.50**

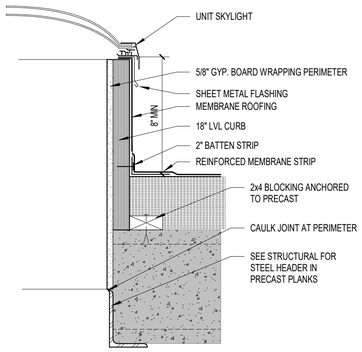
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7/10/2021 2:43:31 PM



4 VENT STACK FLASHING (TYP.)
3" = 1'-0"



3 EXHAUST STACK DETAIL
1 1/2" = 1'-0"



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

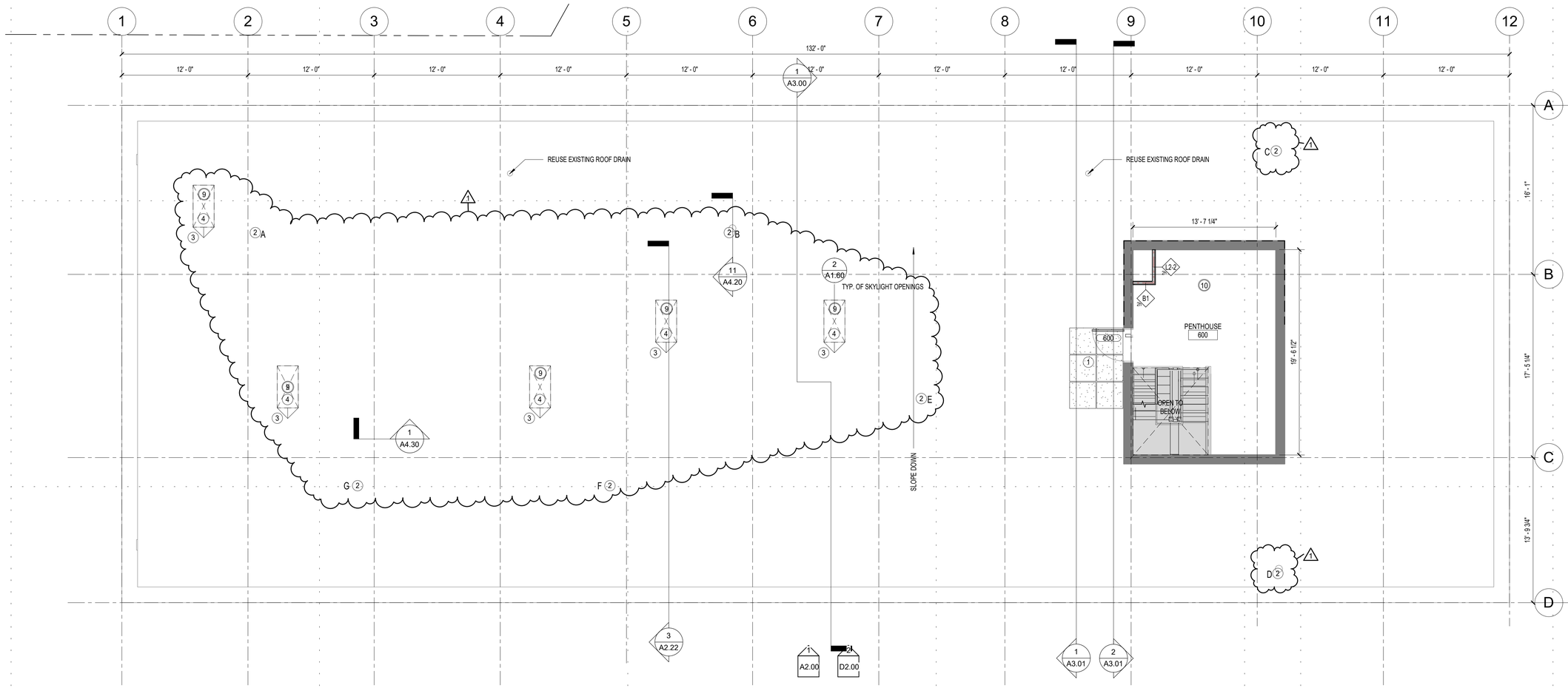
(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

ROOF PLAN GENERAL NOTES:

1. Existing roof is to remain. Roof is to be patched/modified to accommodate all new skylight and mechanical penetrations per roofing/skylight manufacturer requirements.
2. See Mechanical Plans for plumbing vents, exhaust fan hoods & other Plumbing and Mechanical penetrations.
3. Repair all penetrations made in roofing for vents, hoods, and other systems using materials and methods described and in specification.
4. Repair all insulation disturbed to create new openings and fit tightly back together prior to repairing roof membrane.
5. Seal existing vapor barrier to new materials penetrating roof using materials and methods compatible with existing vapor barrier.

ROOF PLAN KEY NOTES:

1. PROVIDE (6) ROOFTOP WALKING PADS AT DOOR
2. FOR MECHANICAL SHAFT OPENING REQUIREMENTS, SEE A4.20
3. ROOF CRICKET, SLOPE TO DRAIN
4. UNIT SKYLIGHT



1 ROOF BEARING
3/16" = 1'-0"

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Minneapolis, MN 55414

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	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

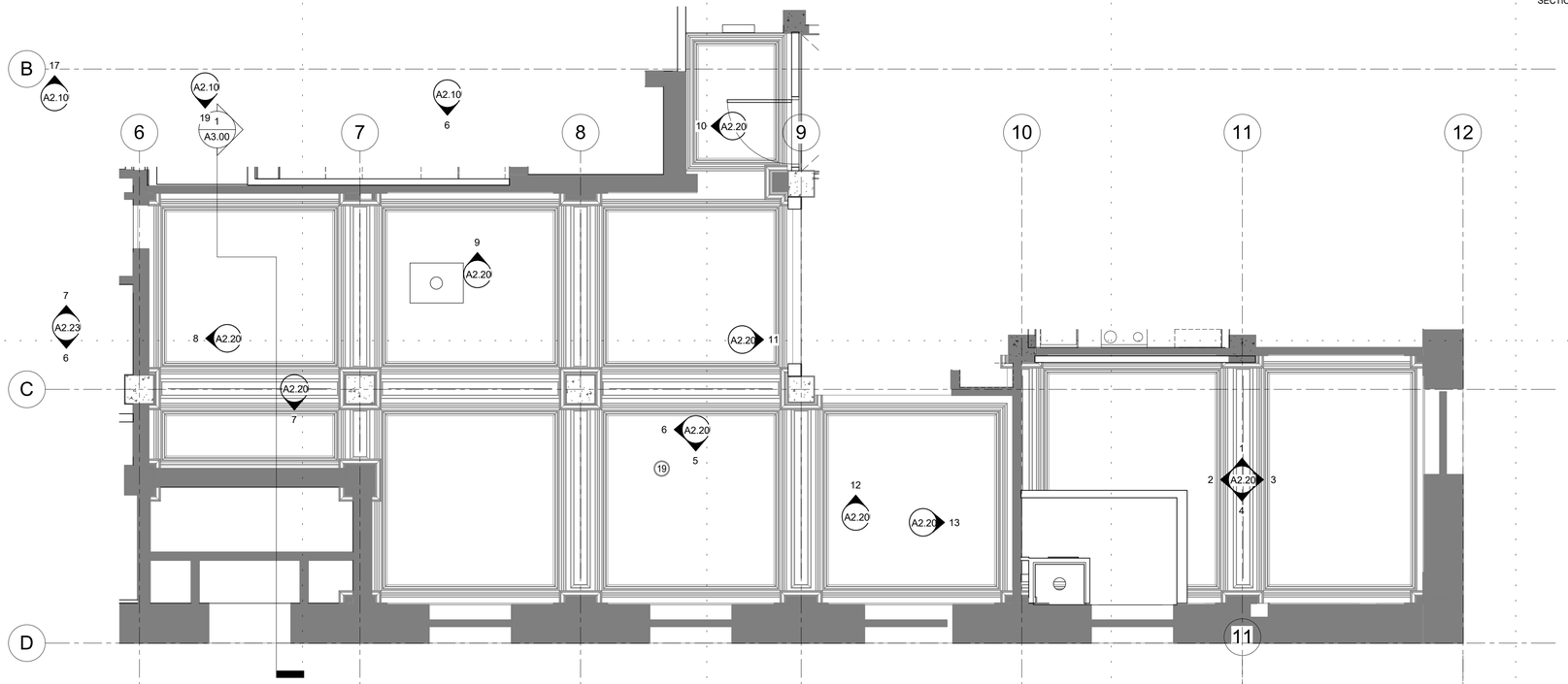
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Duluth, MN 55802

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ROOF PLAN

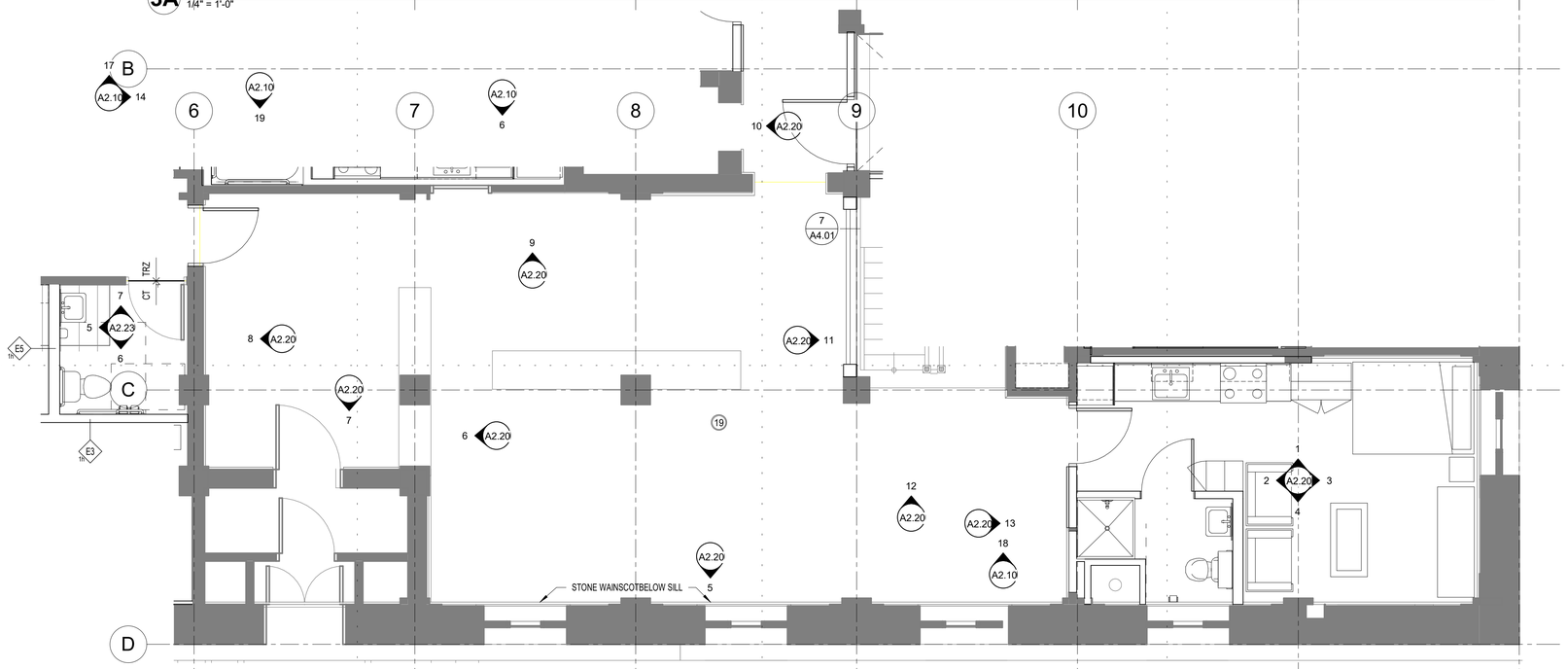
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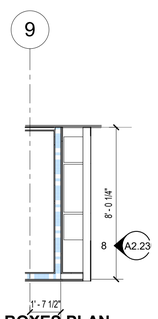
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3A **HISTORIC LOBBY - REFLECTED CEILING PLAN**
1/4" = 1'-0"



2 **HISTORIC LOBBY**
1/4" = 1'-0"



1 **MAILBOXES PLAN**
1/4" = 1'-0"

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

ENLARGED PLAN GENERAL NOTES:

A. AT HISTORIC LOBBY AND OFFICE, U.N.O, PLASTER CEILINGS TO BE REPAIRED COMPLETELY. SEE SHEET A2.30 FOR ADDITION PLASTER REPAIR NOTES
B. REMOVE (E) NON-HISTORIC FLUORESCENT FIXTURES. PATCH ANY HOLES THAT SHALL NOT BE USED FOR NEW FIXTURE INSTALLATION.
C. PLASTER CEILINGS TO BE CLEANED, PREPPED, AND PAINTED.
D CLEAN AND REPAIR TERRAZZO FLOORS COMPLETELY AT HISTORIC LOBBY AND OFFICE.

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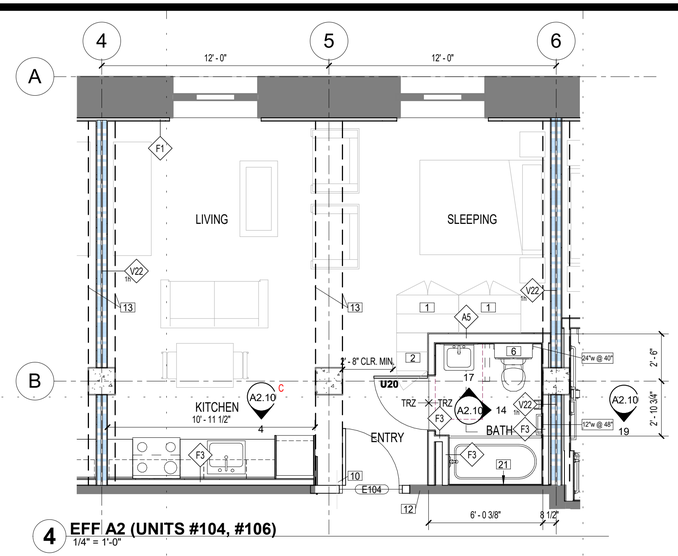
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Duluth, MN 55802

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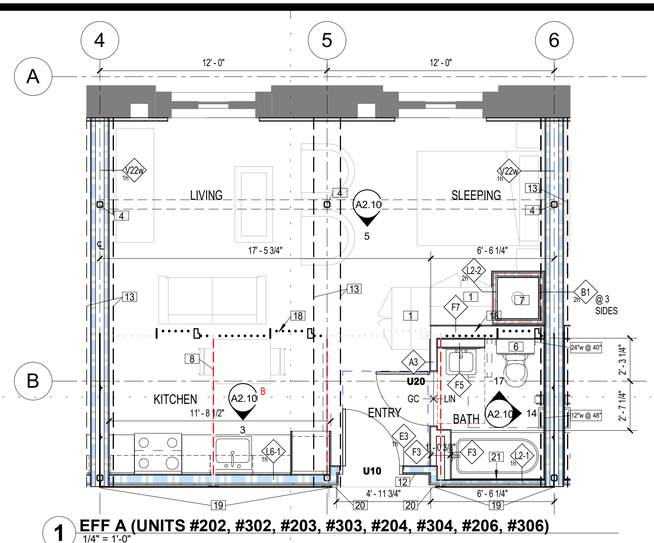
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PROJ. NO: 180039

DRAWING NO: **A1.61**

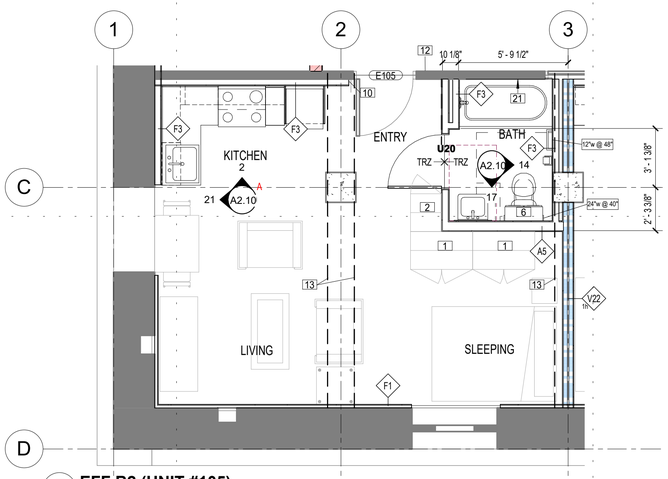
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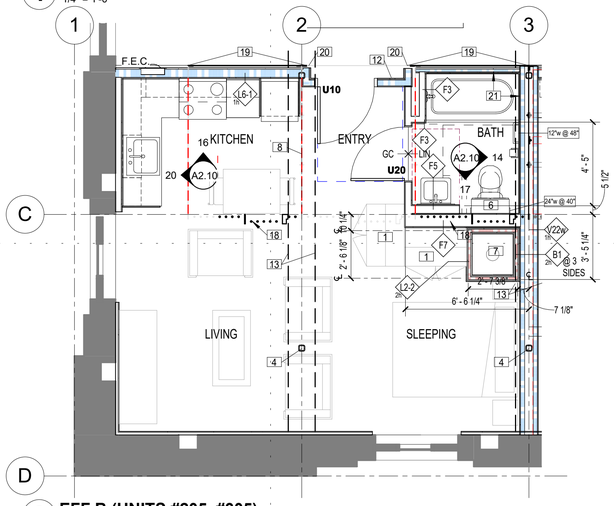
4 **EFF A2 (UNITS #104, #106)**
1/4" = 1'-0"



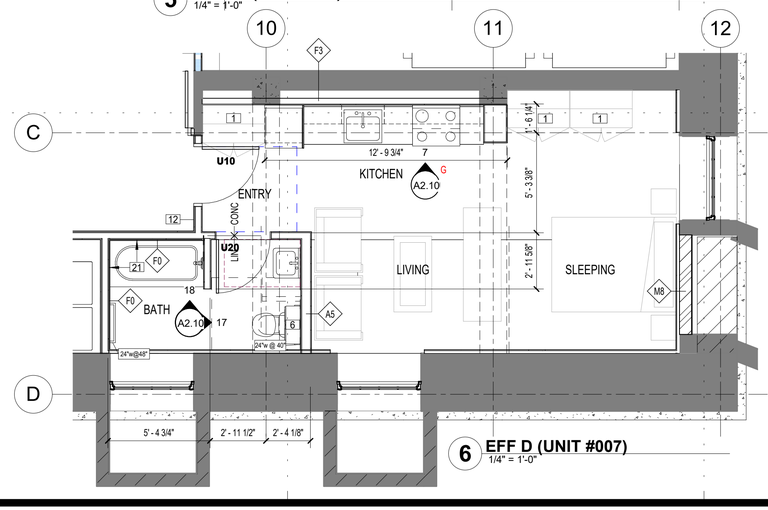
1 **EFF A (UNITS #202, #302, #203, #303, #204, #304, #206, #306)**
1/4" = 1'-0"



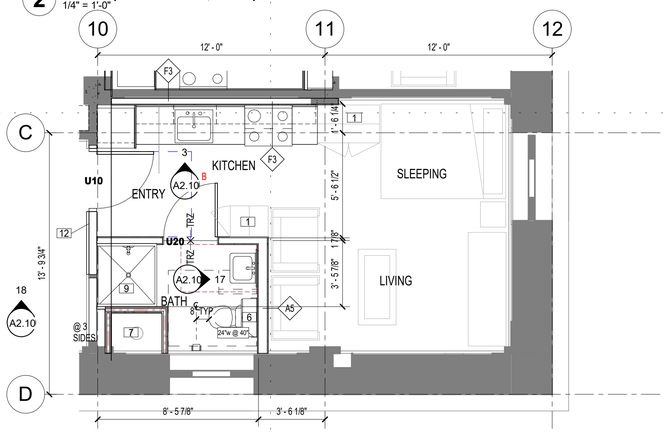
5 **EFF B2 (UNIT #105)**
1/4" = 1'-0"



2 **EFF B (UNITS #205, #305)**
1/4" = 1'-0"



6 **EFF D (UNIT #007)**
1/4" = 1'-0"



3 **EFF C (UNIT #107)**
1/4" = 1'-0"

GENERAL SHEET NOTES

1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
2. SEE G0.10 FOR PROJECT NOTES INCLUDING:
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   - HISTORIC APPROVAL INFORMATION
   - GENERAL UNIT PLAN NOTES
   - GENERAL KITCHEN NOTES
   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

UNIT PLAN KEY NOTES:

1. 39-3/8" x 93-1/8" x 22-7/8" IKEA PAX FREESTANDING CLOSET SYSTEM
2. 19-3/8" x 93-1/8" x 22-7/8" IKEA PAX FREESTANDING CLOSET SYSTEM
3. CLOSET HANGING ROD AND SHELF, SEE 4 / A6.01
4. NEW STRUCTURAL COLUMN/SEE STRUCT.
5. T249012 PANTRY CABINET
6. VW2430BMI CABINET, SEE INTERIOR ELEVATIONS
7. MECHANICAL SHAFT, SEE SHEET A4.20 AND BUILDING PLANS FOR LOCATIONS
8. AT RED DASHED LINES - PLATE CUTTING AT THE FLOOR, SEE 4 / A6.00 ; PLATE CUTTING AT THE CEILING, SEE 6 / A6.00 5 / A6.00
9. ACCESSIBLE ANSI A117.1 TYPE B COMPLIANT SHOWER
10. CABINET END PANEL TO CAP OFF FURRED WALL
11. METAL SPIRAL STAIR
12. UNIT ENTRY SIGN
13. OUTLINE OF CONCRETE BEAM ABOVE/BELOW
14. EXISTING WINDOW AND BARS TO REMAIN EXPOSED TO THE DWELLING UNIT SIDE OF THE WALL
15. NOT USED
16. 3' TALL PARTIAL HT. WALL
17. LINEN SHELVING, SEE 3 / A6.01
18. STEEL BARS ENCAPSULATED IN NEW WALL
19. EXPOSED EXISTING STEEL PLATE WALL
20. NEW STEEL CORNER GUARD
21. ADDITIONAL LAYER OF 5/8" GYP. BD. ON WHOLE WALL

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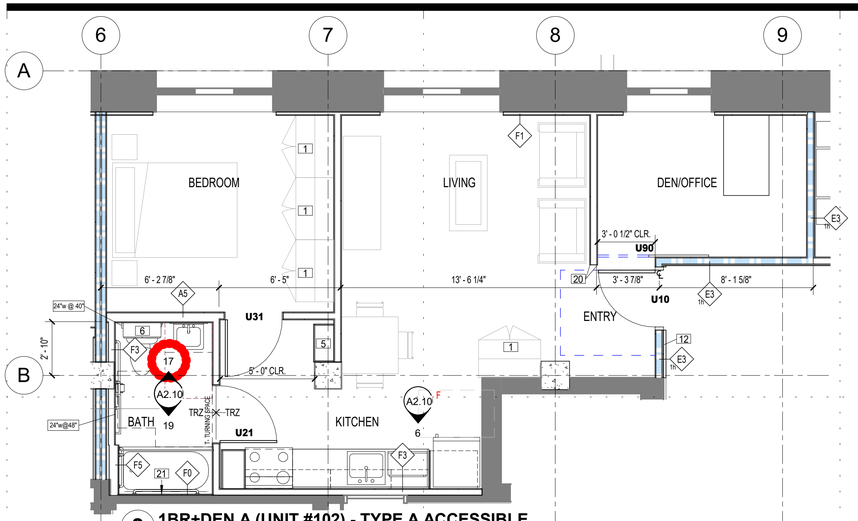
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Duluth, MN 55802

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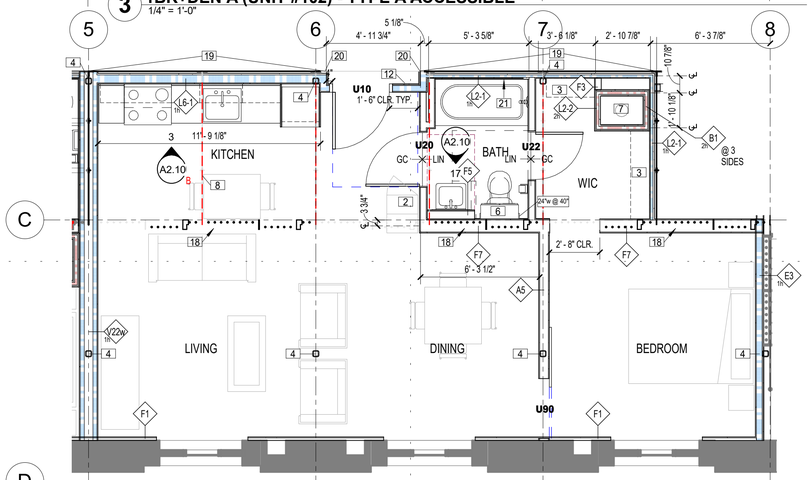
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PROJ. NO: 180039

DRAWING NO: **A1.70**

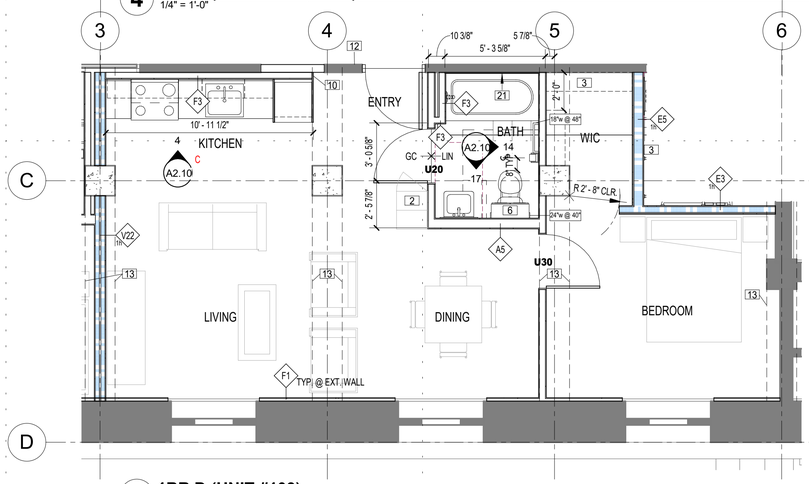
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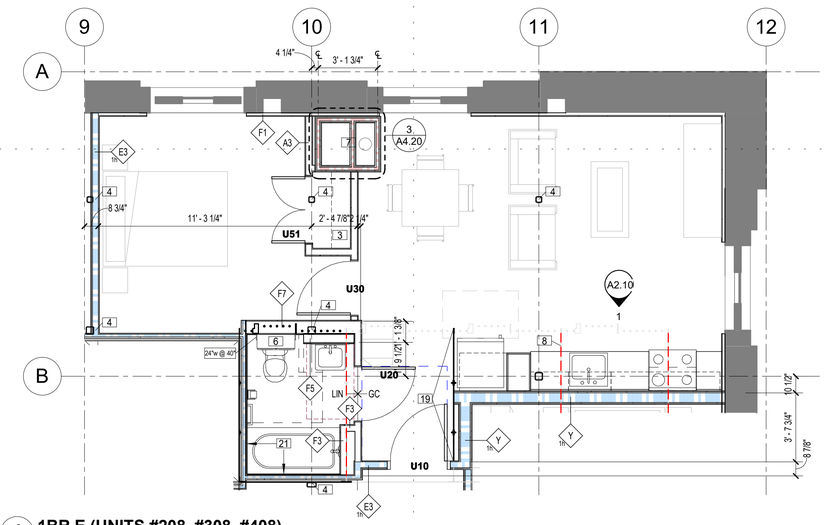
3 **1BR+DEN A (UNIT #102) - TYPE A ACCESSIBLE**
1/4" = 1'-0"



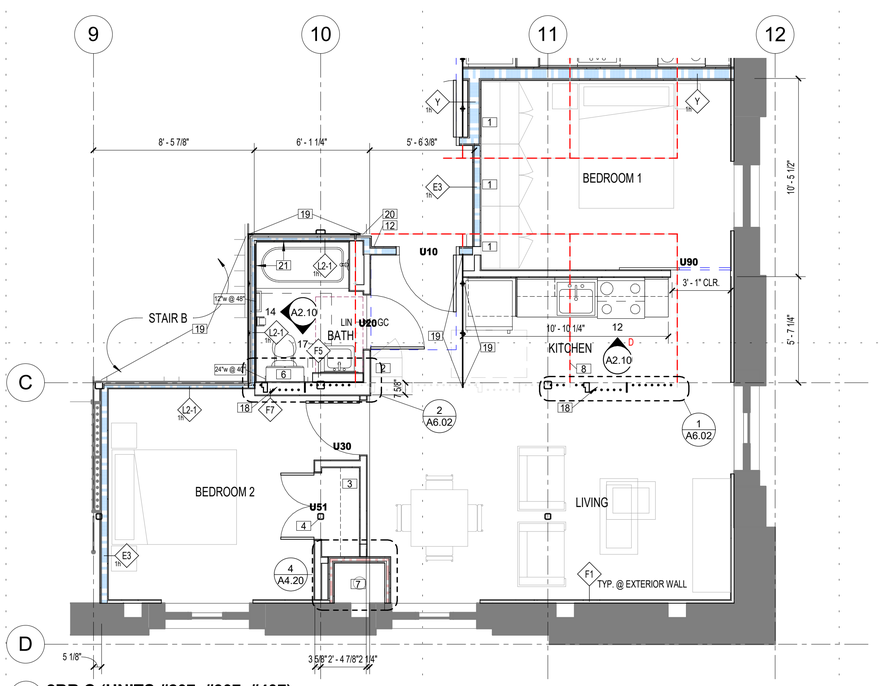
4 **1BR C (UNITS #201, #301)**
1/4" = 1'-0"



5 **1BR D (UNIT #103)**
1/4" = 1'-0"



1 **1BR E (UNITS #208, #308, #408)**
1/4" = 1'-0"



2 **2BR C (UNITS #207, #307, #407)**
1/4" = 1'-0"

GENERAL SHEET NOTES

1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
2. SEE G0.10 FOR PROJECT NOTES INCLUDING:
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   - HISTORIC APPROVAL INFORMATION
   - GENERAL UNIT PLAN NOTES
   - GENERAL KITCHEN NOTES
   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

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5. T249012 PANTRY CABINET
6. VW2430BMI CABINET, SEE INTERIOR ELEVATIONS
7. MECHANICAL SHAFT, SEE SHEET A4.20 AND BUILDING PLANS FOR LOCATIONS
8. AT RED DASHED LINES - PLATE CUTTING AT THE FLOOR, SEE 4 / A6.00 ; PLATE CUTTING AT THE CEILING, SEE 6 / A6.00 5 / A6.00
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19. EXPOSED EXISTING STEEL PLATE WALL
20. NEW STEEL CORNER GUARD
21. ADDITIONAL LAYER OF 5/8" GYP. BD. ON WHOLE WALL

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DRAWING NO: **A1.71**

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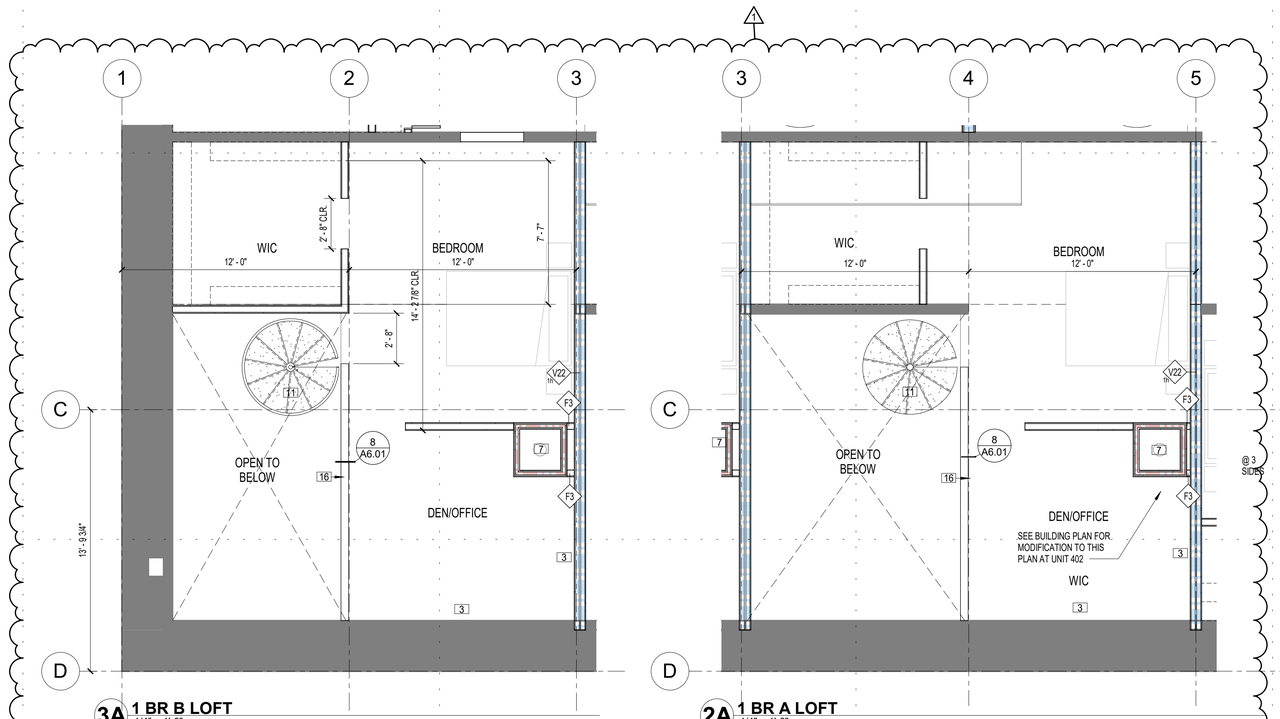
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GENERAL SHEET NOTES

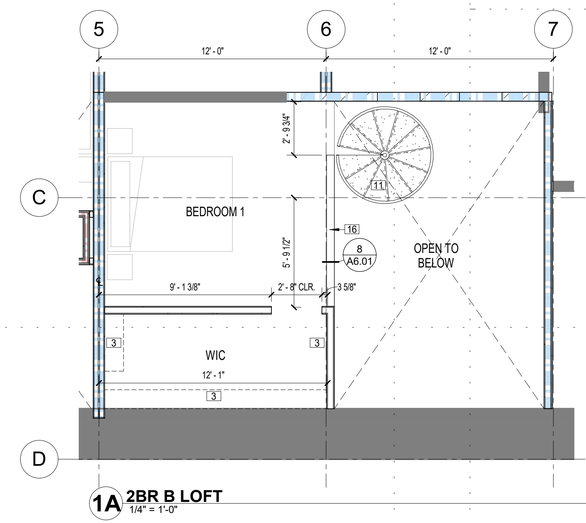
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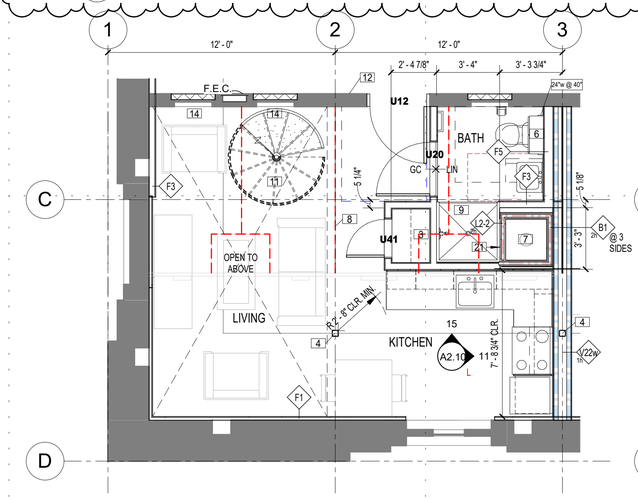


3A 1 BR B LOFT
1/4" = 1'-0"

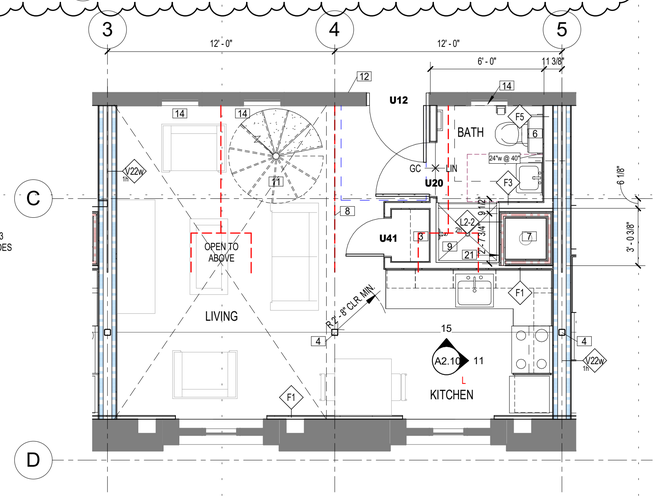
2A 1 BR A LOFT
1/4" = 1'-0"



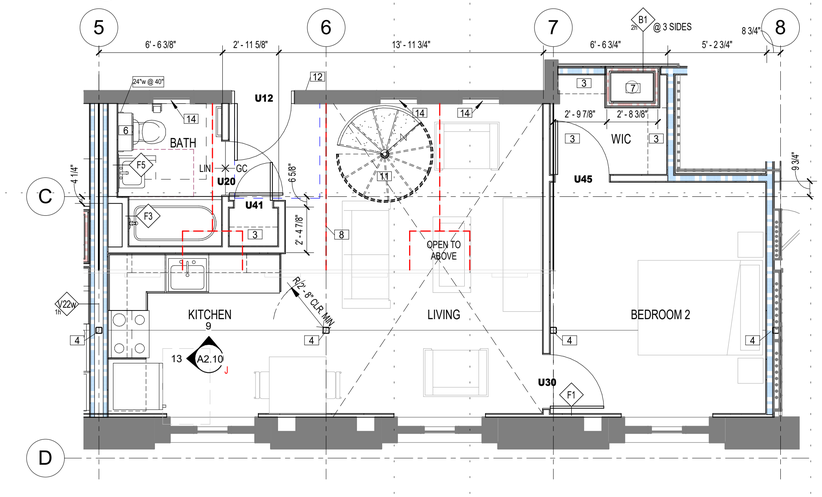
1A 2BR B LOFT
1/4" = 1'-0"



3 1BR B (UNIT #405)
1/4" = 1'-0"



2 1BR A (UNITS #402, #403, #404)
1/4" = 1'-0"



1 2BR B (UNIT #401)
1/4" = 1'-0"

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1	7/12/2021	ADDENDUM 1

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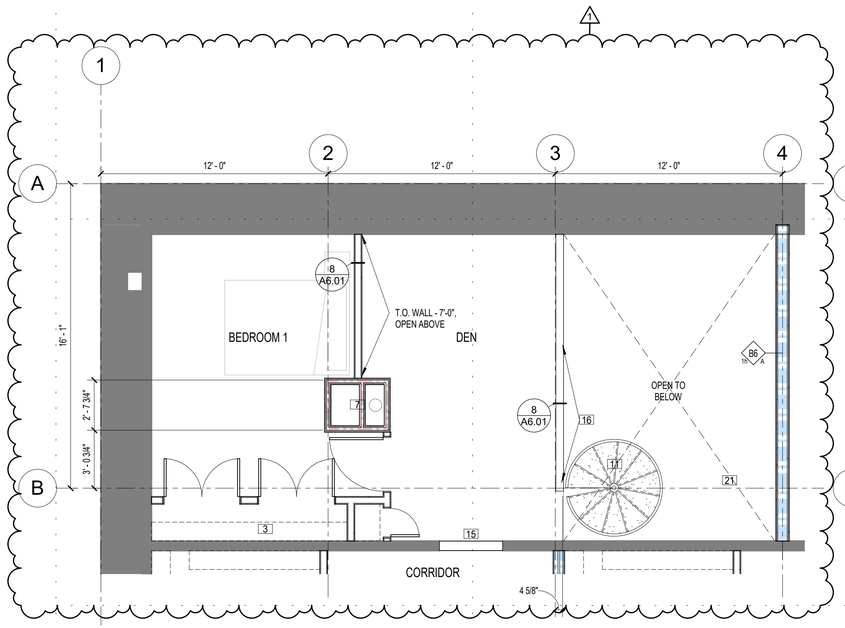
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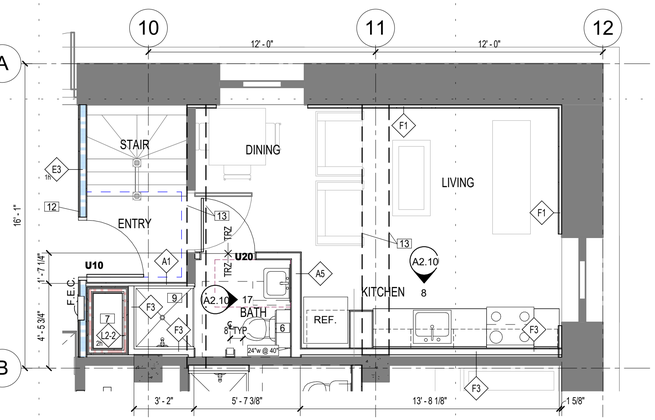
DRAWING TITLE:
UNIT PLANS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A1.72**

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7/10/2021 2:43:59 PM





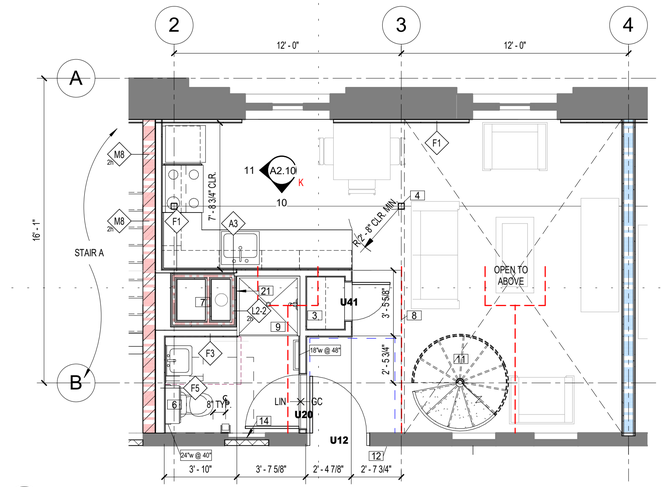
GENERAL SHEET NOTES

1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
2. SEE G0.10 FOR PROJECT NOTES INCLUDING:
   - GENERAL BUILDING PLAN NOTES
   - HISTORIC APPROVAL INFORMATION
   - GENERAL UNIT PLAN NOTES
   - GENERAL KITCHEN NOTES
   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

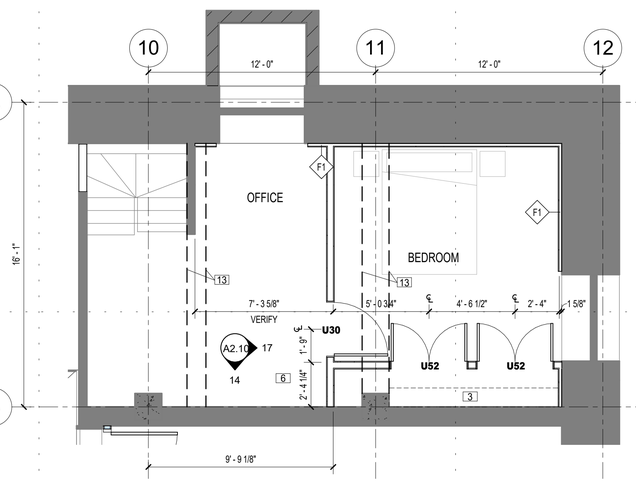
UNIT PLAN KEY NOTES:

1. 39-3/8" x 93-1/8" x 22-7/8" IKEA PAX FREESTANDING CLOSET SYSTEM
2. 19-3/8" x 93-1/8" x 22-7/8" IKEA PAX FREESTANDING CLOSET SYSTEM
3. CLOSET HANGING ROD AND SHELF, SEE 4 / A6.01
4. NEW STRUCTURAL COLUMN/SEE STRUCT.
5. T249012 PANTRY CABINET
6. VW2430BMI CABINET, SEE INTERIOR ELEVATIONS
7. MECHANICAL SHAFT, SEE SHEET A4.20 AND BUILDING PLANS FOR LOCATIONS
8. AT RED DASHED LINES - PLATE CUTTING AT THE FLOOR, SEE 4 / A6.00 ; PLATE CUTTING AT THE CEILING, SEE 6 / A6.00 5 / A6.00
9. ACCESSIBLE ANSI A117.1 TYPE B COMPLIANT SHOWER
10. CABINET END PANEL TO CAP OFF FURRED WALL
11. METAL SPIRAL STAIR
12. UNIT ENTRY SIGN
13. OUTLINE OF CONCRETE BEAM ABOVE/BELOW
14. EXISTING WINDOW AND BARS TO REMAIN EXPOSED TO THE DWELLING UNIT SIDE OF THE WALL
15. NOT USED
16. 3' TALL PARTIAL HT. WALL
17. LINEN SHELVING, SEE 3 / A6.01
18. STEEL BARS ENCAPSULATED IN NEW WALL
19. EXPOSED EXISTING STEEL PLATE WALL
20. NEW STEEL CORNER GUARD
21. ADDITIONAL LAYER OF 5/8" GYP. BD. ON WHOLE WALL



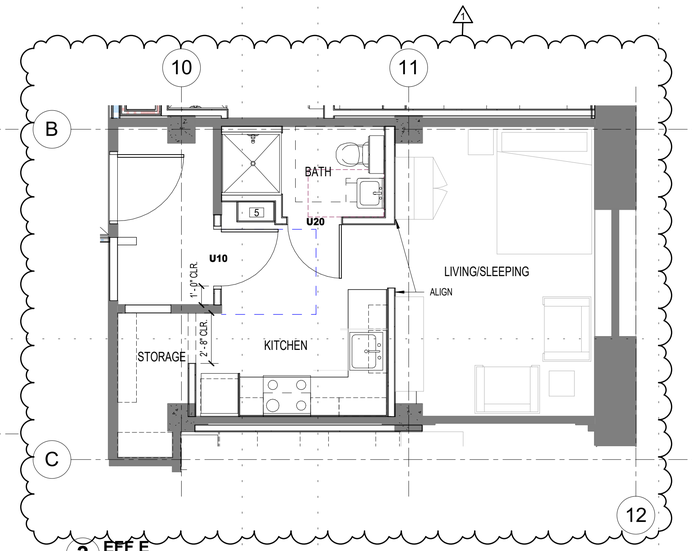
2A 1BR G LOFT
1/4" = 1'-0"

2 1BR G (UNIT #406)
1/4" = 1'-0"



1A 1 BR F 1ST (UNIT #108)
1/4" = 1'-0"

1 1 BR F BSMT
1/4" = 1'-0"



3 EFF E
1/4" = 1'-0"

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701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS
1	7/12/2021	ADDENDUM 1

NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
UNIT PLANS

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

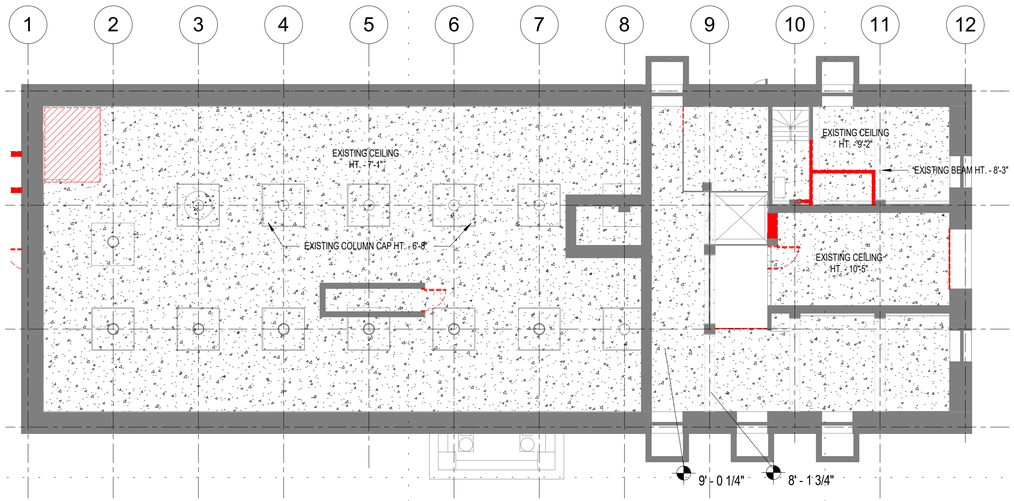
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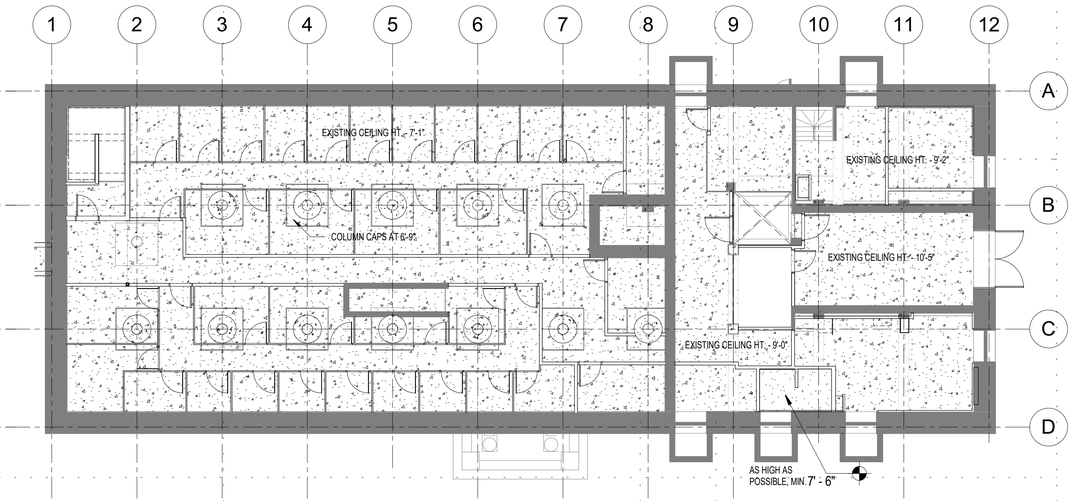
CEILING PLAN LEGEND

- PLASTER
- GYPSUM BOARD
- EXISTING POURED CONCRETE OR CONCRETE PLANK
- STEEL CEILING AT 2ND, 3RD, 4TH
- NEW STRUCTURAL BEAM

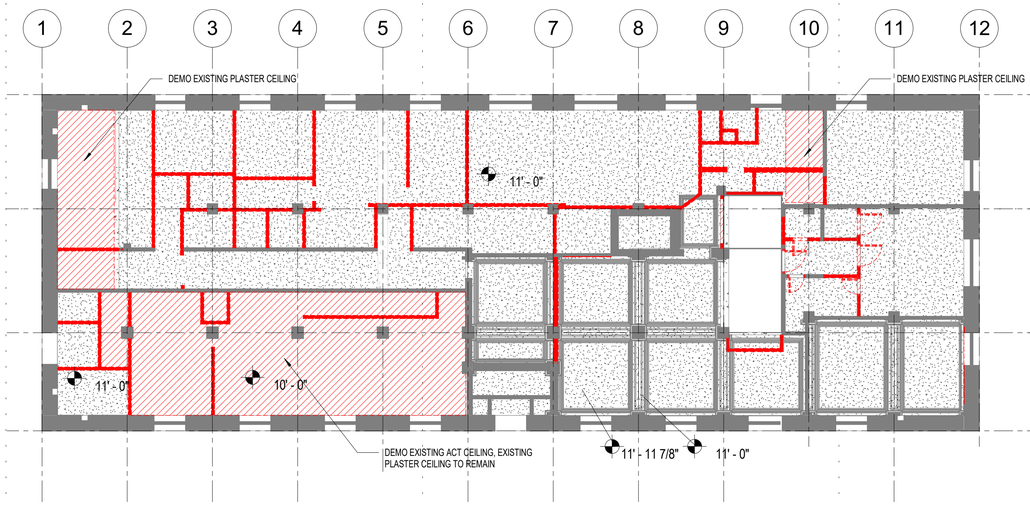
1. EXISTING CONCRETE BEAM
2. EXISTING CONCRETE COLUMN CAP
3. EXISTING ELEVATOR SHAFT, TO REMAIN
4. EXISTING STAIR OPENING, TO REMAIN
5. NEW STAIR OPENING
6. CUT NEW OPENINGS IN EXISTING PRECAST PLANK ROOF FOR SKYLIGHTS
7. EXISTING GYP. BOARD SOFFIT, TO BE DEMOLISHED
8. CEILING MOUNTED SUPPLY AIR DIFFUSER



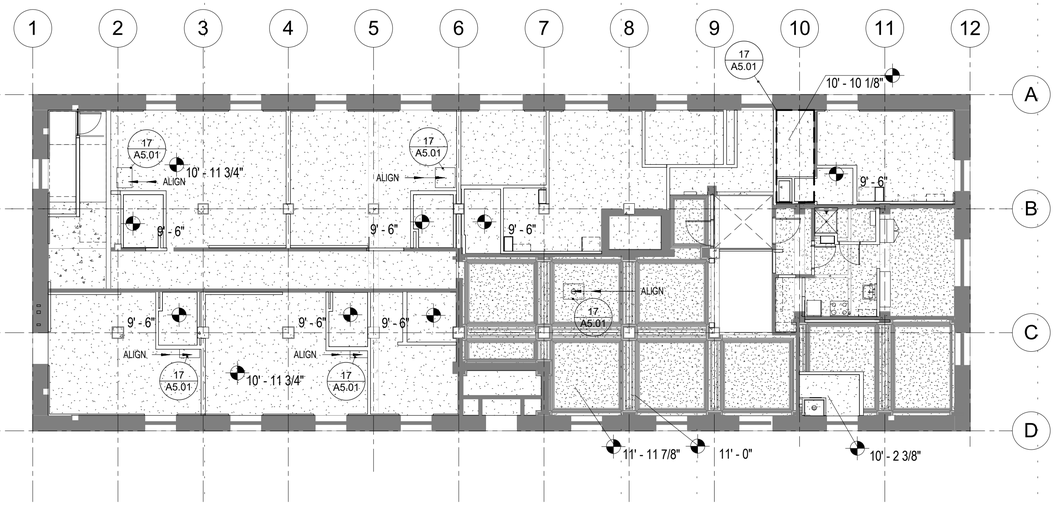
3 BASEMENT REFLECTED CEILING PLAN - EXISTING & DEMO
3/32" = 1'-0"



1 BASEMENT REFLECTED CEILING PLAN
3/32" = 1'-0"



4 FIRST FLOOR REFLECTED CEILING PLAN - EXISTING & DEMO
3/32" = 1'-0"



2 FIRST FLOOR REFLECTED CEILING PLAN
3/32" = 1'-0"

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
REFLECTED CEILING PLANS - Basement & First Floor

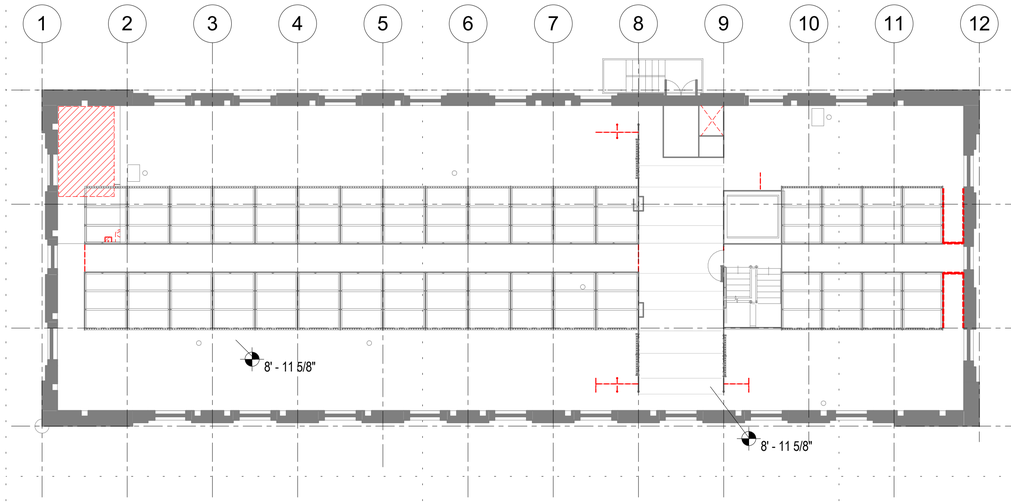
DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **A1.80**

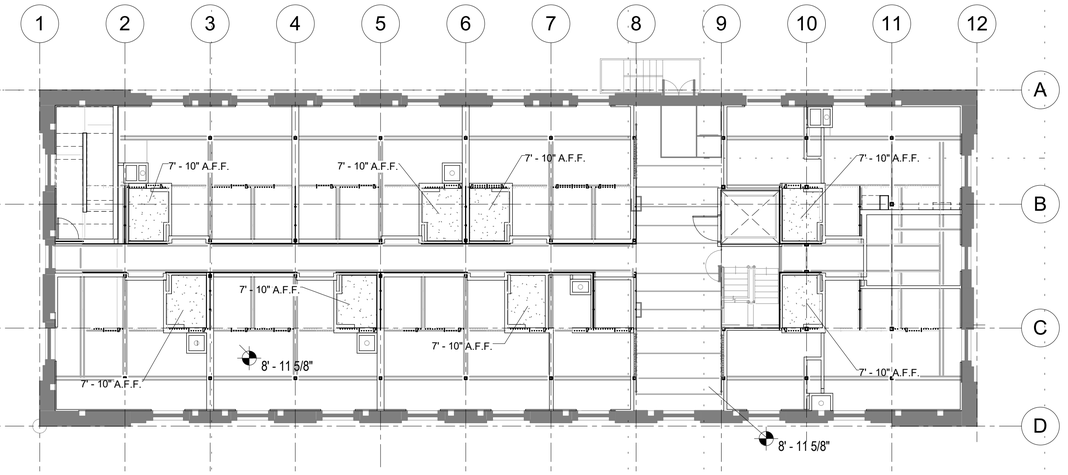
CEILING PLAN LEGEND

- PLASTER
- GYPSUM BOARD
- EXISTING POURED CONCRETE OR CONCRETE PLANK
- STEEL CEILING AT 2ND, 3RD, 4TH
- NEW STRUCTURAL BEAM

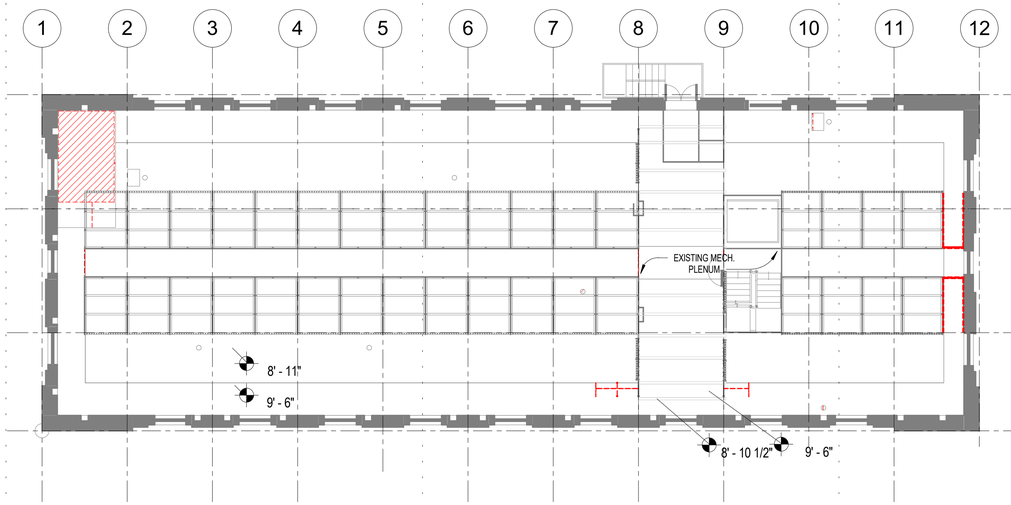
1. EXISTING CONCRETE BEAM
2. EXISTING CONCRETE COLUMN CAP
3. EXISTING ELEVATOR SHAFT, TO REMAIN
4. EXISTING STAIR OPENING, TO REMAIN
5. NEW STAIR OPENING
6. CUT NEW OPENINGS IN EXISTING PRECAST PLANK ROOF FOR SKYLIGHTS
7. EXISTING GYP. BOARD SOFFIT, TO BE DEMOLISHED
8. CEILING MOUNTED SUPPLY AIR DIFFUSER



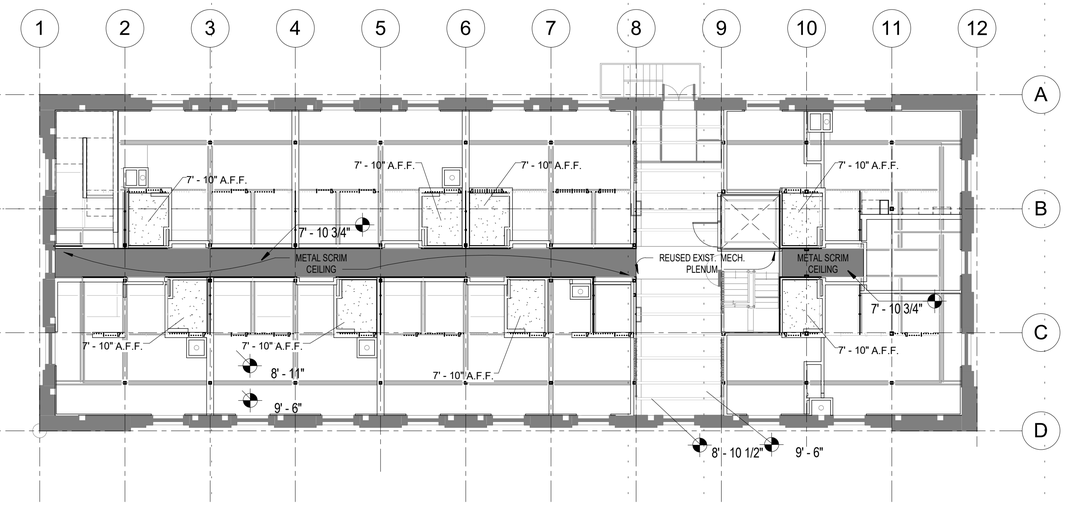
3 SECOND FLOOR REFLECTED CEILING PLAN - EXISTING & DEMO
3/32" = 1'-0"



1 SECOND FLOOR REFLECTED CEILING PLAN
3/32" = 1'-0"



4 THIRD FLOOR REFLECTED CEILING PLAN - EXISTING & DEMO
3/32" = 1'-0"



2 THIRD FLOOR REFLECTED CEILING PLAN
3/32" = 1'-0"

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Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
REFLECTED CEILING PLANS - Second & Third Floor

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

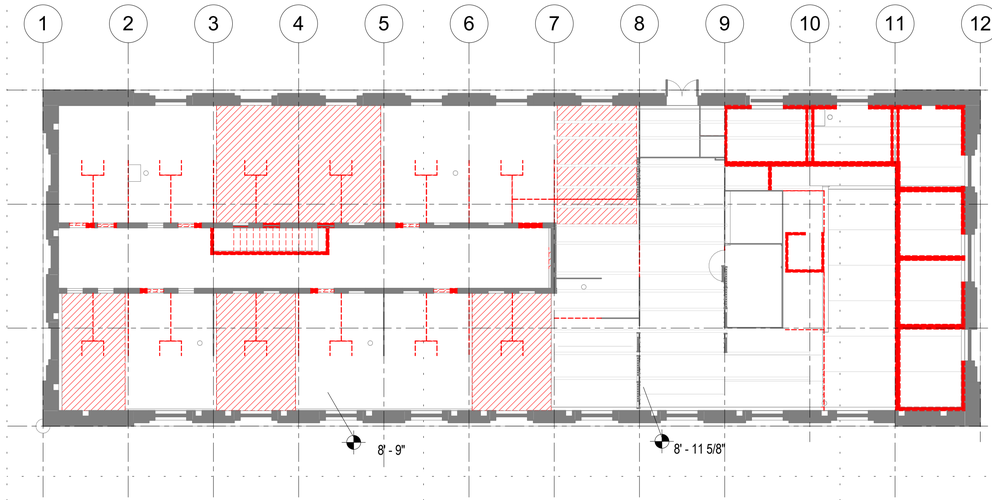
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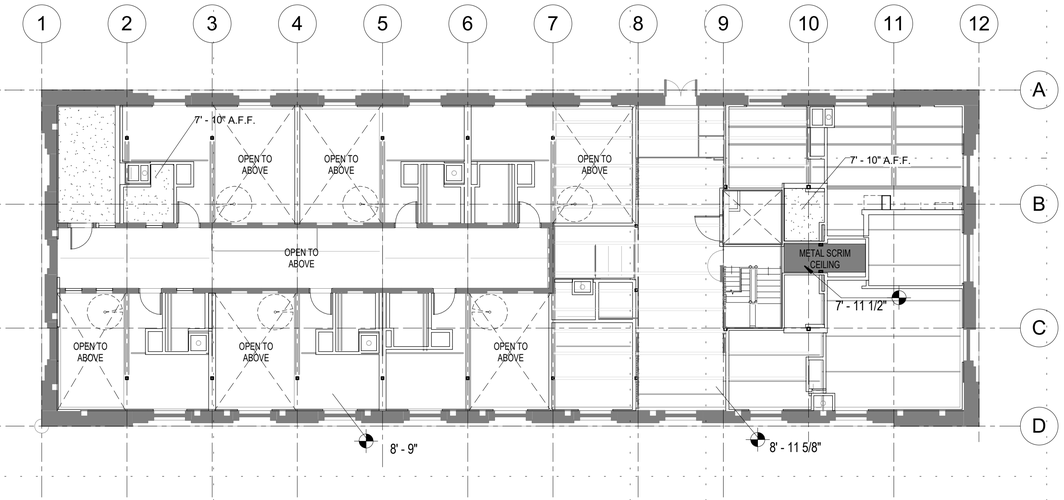
CEILING PLAN LEGEND

- PLASTER
- GYPSUM BOARD
- EXISTING POURED CONCRETE OR CONCRETE PLANK
- STEEL CEILING AT 2ND, 3RD, 4TH
- NEW STRUCTURAL BEAM

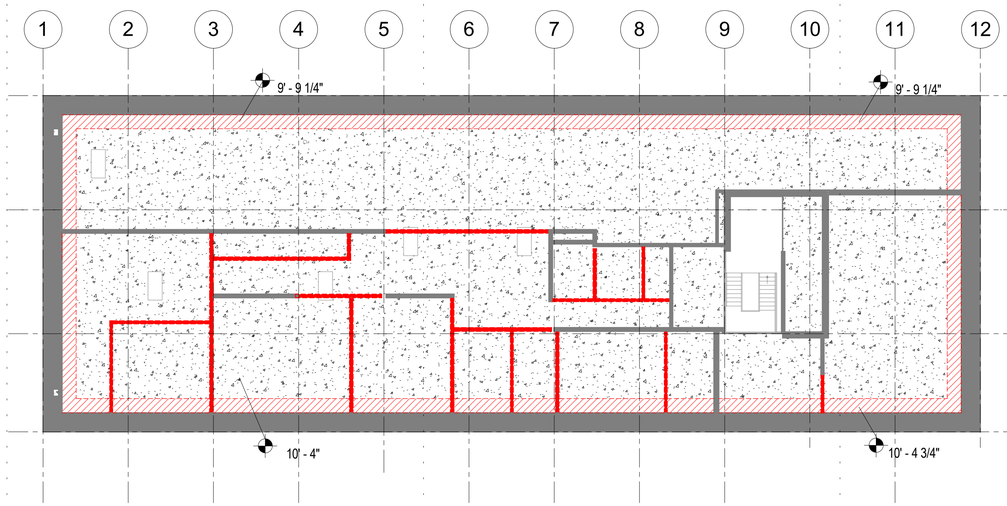
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2. EXISTING CONCRETE COLUMN CAP
3. EXISTING ELEVATOR SHAFT, TO REMAIN
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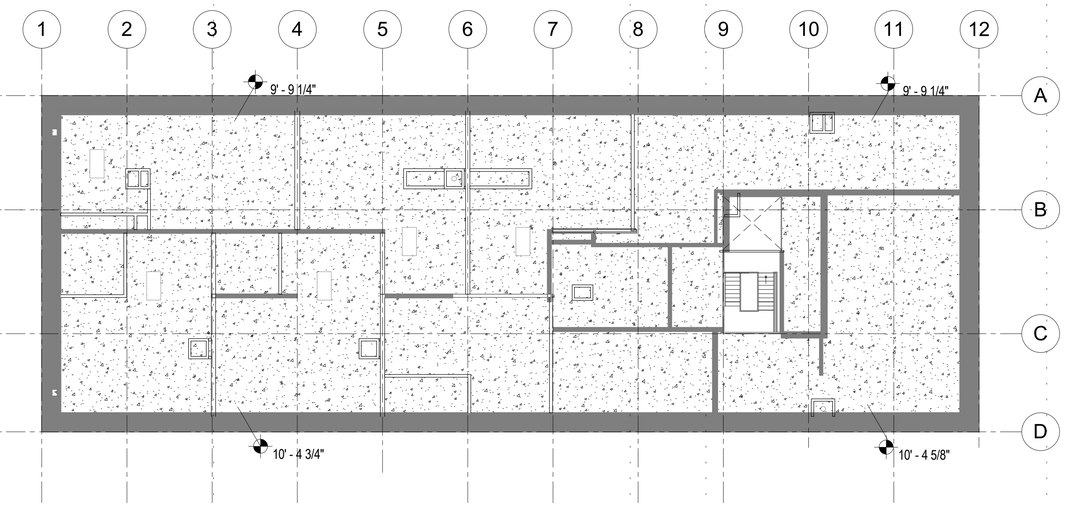
3 FOURTH FLOOR REFLECTED CEILING PLAN - EXISTING & DEMO
3/32" = 1'-0"



1 FOURTH FLOOR REFLECTED CEILING PLAN
3/32" = 1'-0"



4 FIFTH FLOOR REFLECTED CEILING PLAN - EXISTING & DEMO
3/32" = 1'-0"



2 FIFTH FLOOR REFLECTED CEILING PLAN
3/32" = 1'-0"

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PROJECT NAME:
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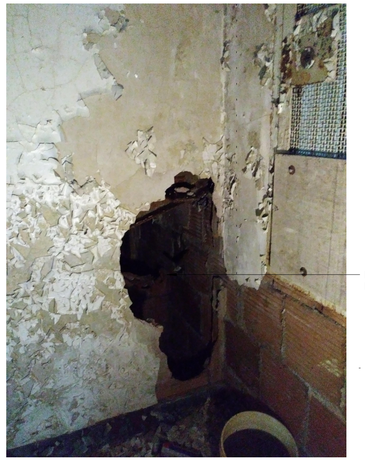
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
REFLECTED CEILING PLANS - Fourth & Fifth Floor

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **A1.82**

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PATCH PLASTER TO MATCH ADJACENT PLANE AND TEXTURE OF ADJACENT WALLS

12 PLASTER PATCHING AT EXISTING WINDER STAIR



REPAIR EXISTING PIPING

REPAIR HOLES IN WALL WITH PLASTER TO MATCH

SCRAPE, SAND AND PAINT ALL EXISTING STAIR STEEL

SCRAPE, SAND AND PAINT ALL HANDRAILS, BALUSTERS, AND NEWEL POSTS

SCRAPE SAND AND PAINT EXISTING WALLS

FIX DOOR IN THE SHUT POSITION

9 EXISTING WINDER STAIR FROM BASEMENT TO FIRST FLOOR



REMOVE ALL TARNISH/RUST FROM FIXED TRANSOM PANEL AND BOTH FUNCTIONAL DOOR LEAFS

FASTEN RIGHT RIOT DOOR LEAF, AND FASTEN IN OPEN 90 DEGREE POSITION

REINSTALL LEFT RIOT DOOR LEAF, AND FASTEN IN OPEN 90 DEGREE POSITION NOTE: THIS LEAF IS STORED IN GARAGE

13 EXISTING RIOT DOORS



PATCH ALL WALLS TO MATCH PLANE AND APPEARANCE OF ADJACENT WALLS

INSTALL MODIFIED HANDRAIL AND BALUSTERS SALVAGED AS NOTED BELOW

REPAIR EXISTING PLASTER WALLS INCLUDING RADIATOR NICHE

PRESERVE EXISTING HANDRAILS, BALUSTERS AND NEWEL POSTS -SCRAPE, SAND, PAINT

REMOVE AND SALVAGE EXISTING HANDRAILS AND BALUSTERS. MODIFY AND REINSTALL AT LOCATION NOTED ABOVE

10 EXISTING WINDER STAIR FROM BASEMENT TO FIRST



SCRAPE, SAND AND PAINT ALL STAIR STRUCTURE STEEL

PATCH PLASTER TO MATCH ADJACENT PLANE AND TEXTURE OF ADJACENT WALLS

11 PLASTER PATCHING AT EXISTING WINDER STAIR

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Minneapolis, MN 55414

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NO	DATE	REVISION

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Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:

The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:

NEW CONSTRUCTION DETAILS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A1.90**

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1 SOUTH ELEVATION
1/8" = 1'-0"

2 NORTH ELEVATION
1/8" = 1'-0"

ELEVATION GENERAL NOTES:

A. PATCH AND REPAIR MATERIALS WHERE FIRE ESCAPE REMOVED. MATCH COLOR AND TEXTURE OF ADJACENT MATERIALS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

ELEVATION KEY NOTES:

AN	ADDRESS NUMBERS
D_	DOOR TYPES, SEE SHEET A5.30
EERO	EMERGENCY ESCAPE RESCUE OPENING
FDC	FIRE DEPARTMENT CONNECTION LOCATION
L	EXHAUST VENT LOUVERS
SW	STONEWORK INFILL, SEE 3 / A2.01
W_	WINDOW TYPES, SEE SHEET A5.30

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
BUILDING ELEVATIONS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

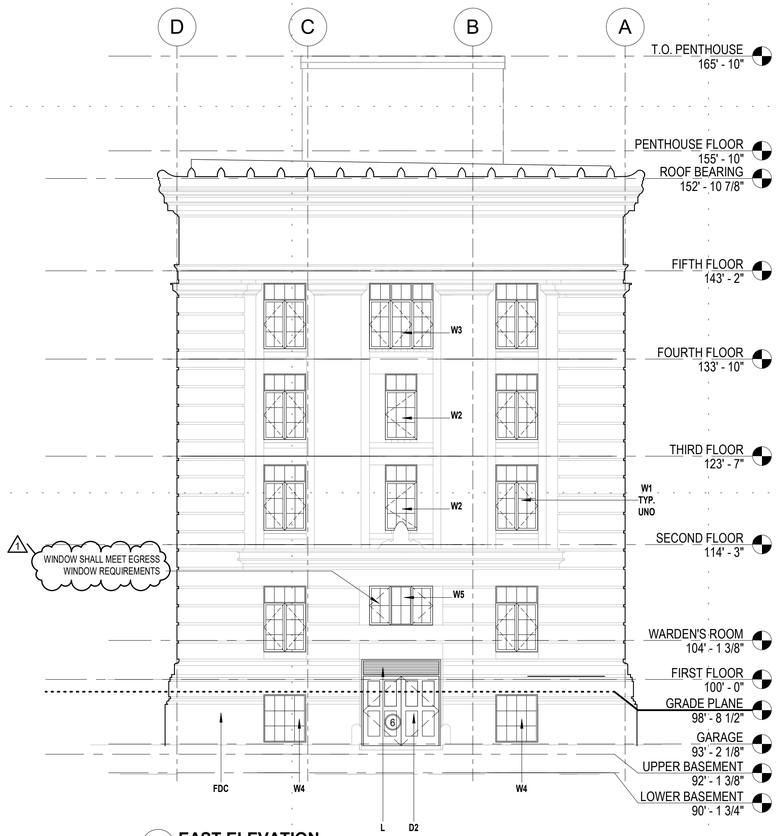
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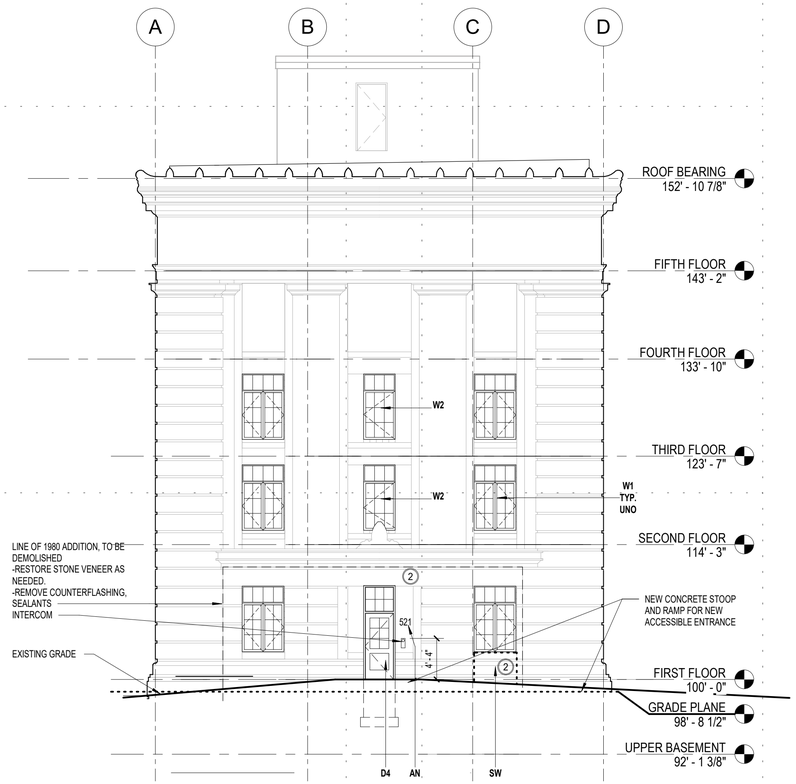


INFILL PROFILE AT WEST ELEVATION
-SHAPES TO BE MADE FROM STONE MATERIAL SALVAGED FROM DEMOLITION OF 1 STORY ADDITION

3 STONE PROFILE FOR INFILL
12" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"



1 WEST ELEVATION
1/8" = 1'-0"

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

ELEVATION GENERAL NOTES:

A. PATCH AND REPAIR MATERIALS WHERE FIRE ESCAPE REMOVED. MATCH COLOR AND TEXTURE OF ADJACENT MATERIALS.

ELEVATION KEY NOTES:

AN ADDRESS NUMBERS
D_ DOOR TYPES, SEE SHEET A5.30
EERO EMERGENCY ESCAPE RESCUE OPENING
FDC FIRE DEPARTMENT CONNECTION LOCATION
L EXHAUST VENT LOUVERS
SW STONEWORK INFILL, SEE 3 / A2.01
W_ WINDOW TYPES, SEE SHEET A5.30

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

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PROJECT NAME:
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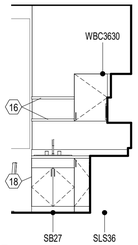
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
BUILDING ELEVATIONS

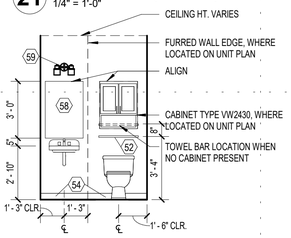
DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

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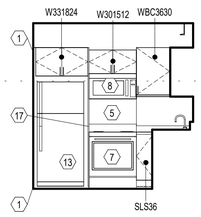
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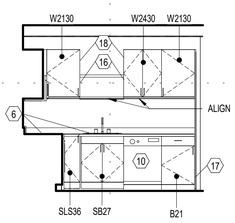
21 KITCHEN A2 (EFF B2)
1/4" = 1'-0"



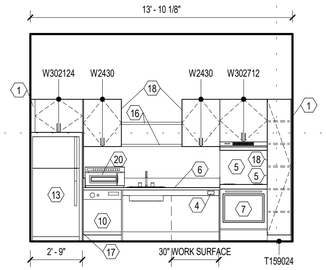
17 BATH ELEV. 1
1/4" = 1'-0"



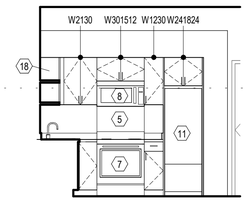
13 KITCHEN J (2BR B)
1/4" = 1'-0"



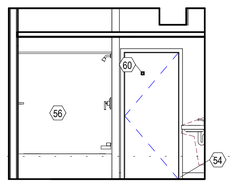
9 KITCHEN J
1/4" = 1'-0"



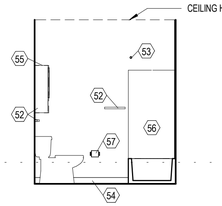
6 KITCHEN F (1BR+DEN A)
1/4" = 1'-0"



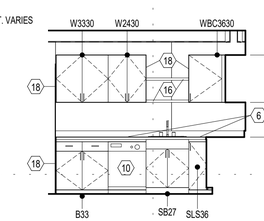
2 KITCHEN A (EFF B2)
1/4" = 1'-0"



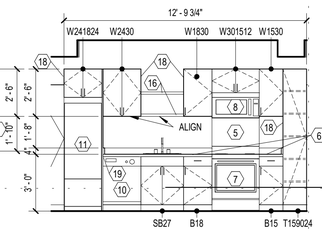
18 BATH ELEV. 3
1/4" = 1'-0"



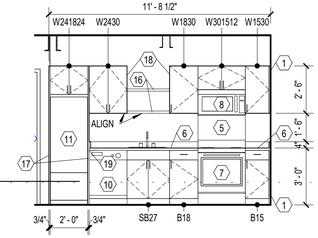
14 BATH ELEV. 2
1/4" = 1'-0"



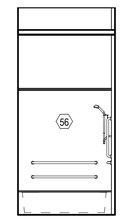
10 KITCHEN K
1/4" = 1'-0"



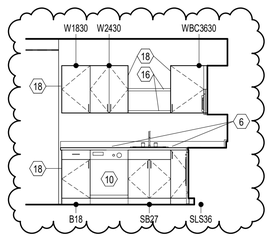
7 KITCHEN G (EFF. D)
1/4" = 1'-0"



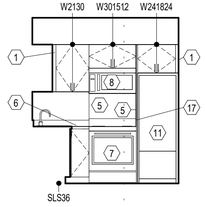
3 KITCHEN B (EFF A, EFF C, 1BR C)
1/4" = 1'-0"



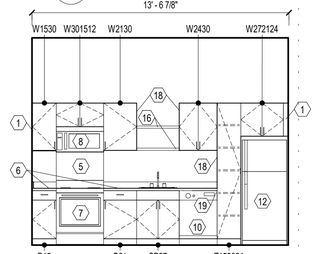
19 BATH ELEV. 4 - TYPE A ACC.
1/4" = 1'-0"



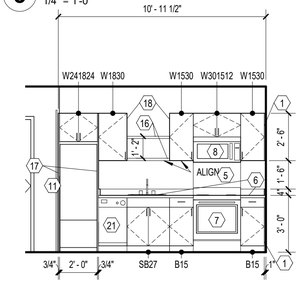
15 KITCHEN L (1BR A, 1BR B)
1/4" = 1'-0"



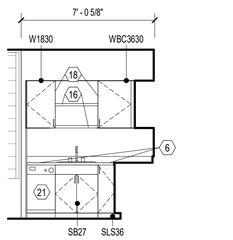
11 KITCHEN L2
1/4" = 1'-0"



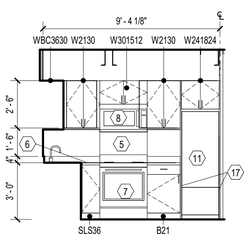
8 KITCHEN H (1BR F)
1/4" = 1'-0"



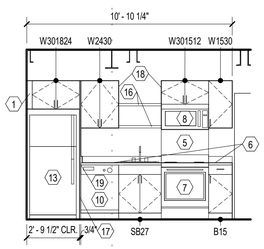
4 KITCHEN C (EFF A2, 1BR D)
1/4" = 1'-0"



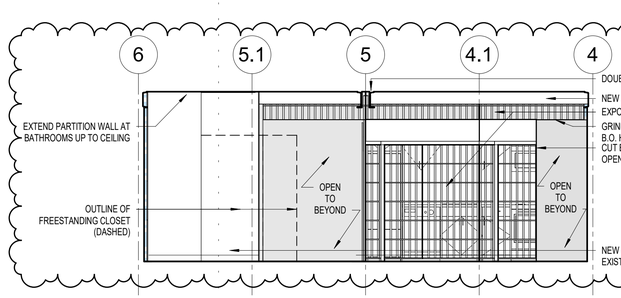
20 KITCHEN I (EFF B)
1/4" = 1'-0"



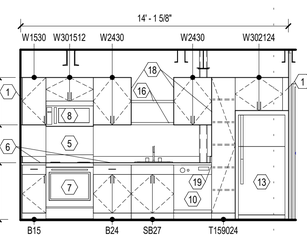
16 KITCHEN I2
1/4" = 1'-0"



12 KITCHEN D (2BR C)
1/4" = 1'-0"



5 TYP. LIVING ROOM ELEVATION @ DEMOLISHED CELL DOORS
1/4" = 1'-0"



1 KITCHEN E (1BR E)
1/4" = 1'-0"

GENERAL SHEET NOTES

1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
2. SEE G0.10 FOR PROJECT NOTES INCLUDING:
   - GENERAL BUILDING PLAN NOTES
   - HISTORIC APPROVAL INFORMATION
   - GENERAL UNIT PLAN NOTES
   - GENERAL KITCHEN NOTES
   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

KITCHEN KEY NOTES:

1. FILLER TO FILL GAP
2. EXHAUST HOOD CONTROLS - MOUNT ON DRAWER PANEL
3. COUNTER TOP MICROWAVE
4. CONTROLS FOR RANGE HOOD
5. GREASE SHIELD
6. P. LAM. COUNTER TYP. W/ SIDE SPLASHES AT END WALL CONDITIONS
7. 30" ELECTRIC RANGE
8. 30" MICROWAVE HOOD
9. 30" EXHAUST HOOD
10. 24" DISHWASHER
11. REFRIG. 1, FITS WITHIN A 24" CLR. WIDTH
12. REFRIG. 2, FITS WITHIN A 30" CLR. WIDTH
13. REFRIG. 3, FITS WITHIN A 33" CLR. WIDTH
14. REMOVEABLE SINK BASE CABINET
15. OUTLET - MOUNT ON DRAWER PANEL
16. 1 1/2" THICK SHELVES
17. 3/4" FINISHED END PANEL
18. FINISHED CABINET FACE
19. SUPPORT COUNTER WITH CONTINUOUS CONCEALED SUPPORT
20. 24" COUNTERTOP MICROWAVE
21. 18" DISHWASHER

BATH KEY NOTES:

51. GRAB BAR(S)
52. TOWEL BAR, SEE UNIT PLANS FOR LENGTH AND MOUNTING HT.
53. SHOWER ROD
54. BASE TRIM - SEE FINISH SCHEDULE
55. VW2430BMI CABINET, SEE UNIT PLANS FOR LOCATIONS
56. FIBERGLASS TUB/SHOWER AND SURROUND, SEE UNIT PLANS FOR CONTROL WALL
57. TOILET PAPER HOLDER
58. 24" x 36" MIRROR, CENTERED ON VANITY
59. VANITY LIGHT, CENTER ON VANITY TOP
60. ROBE HOOK, TYP. AT BATHROOM DOORS

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Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:

Typed or Printed Name: ANDREW MADSON

Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

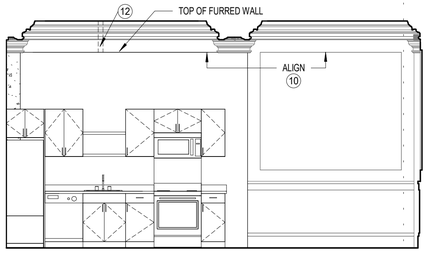
521 W. 2ND STREET
Duluth, MN 55802

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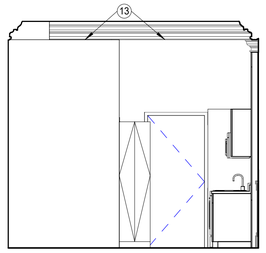
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CHECKED BY:Checker
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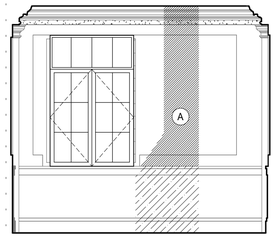
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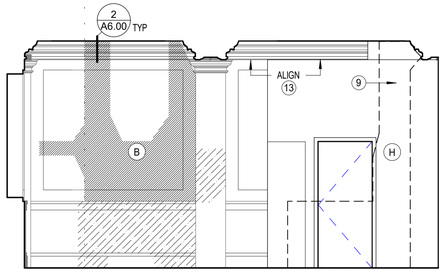
1 HISTORIC OFFICE - NORTH WALL
1/4" = 1'-0"



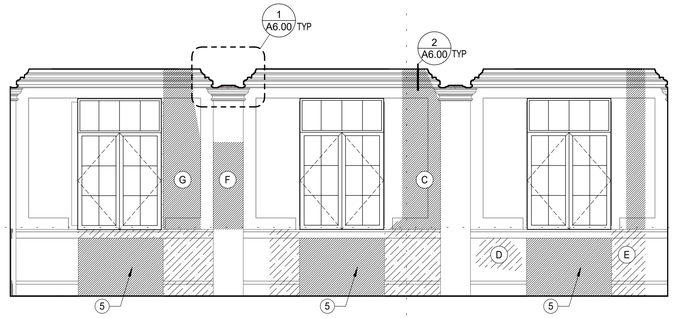
2 HISTORIC OFFICE - WEST WALL
1/4" = 1'-0"



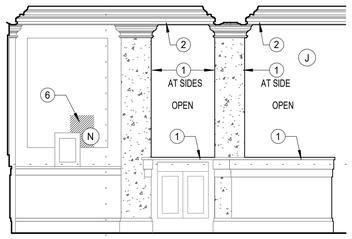
3 HISTORIC OFFICE - EAST WALL
1/4" = 1'-0"



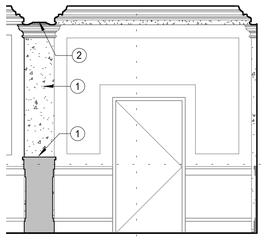
4 HISTORIC OFFICE - SOUTH WALL
1/4" = 1'-0"



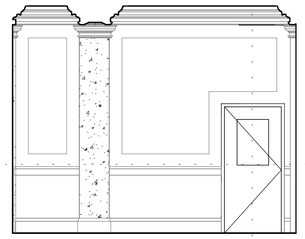
5 HISTORIC LOBBY - S WALL 1
1/4" = 1'-0"



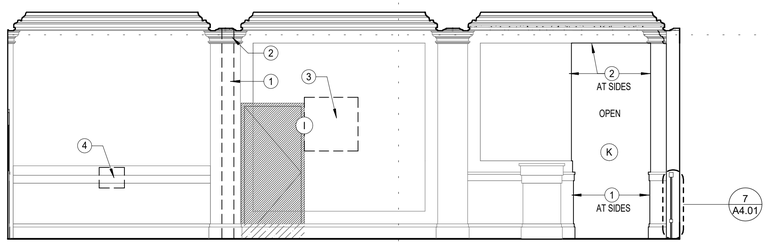
6 HISTORIC LOBBY - W WALL 1
1/4" = 1'-0"



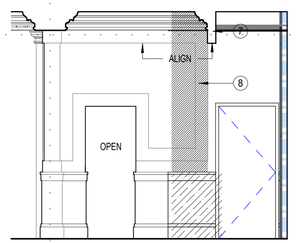
7 HISTORIC LOBBY - S WALL 2
1/4" = 1'-0"



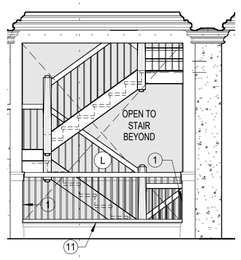
8 HISTORIC LOBBY - W WALL 2
1/4" = 1'-0"



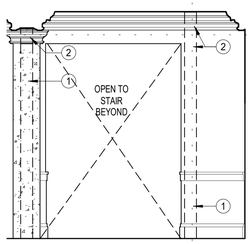
9 HISTORIC LOBBY - N WALL 1
1/4" = 1'-0"



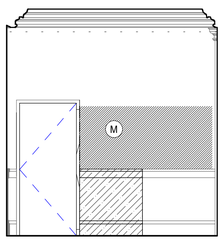
10 HISTORIC LOBBY - W WALL 3
1/4" = 1'-0"



11 HISTORIC LOBBY - E WALL 1
1/4" = 1'-0"



12 HISTORIC LOBBY - N WALL 2
1/4" = 1'-0"



13 HISTORIC LOBBY - E WALL 2
1/4" = 1'-0"

INTERIOR ELEV. GENERAL NOTES:

Z LETTER KEY NOTE CORRESPONDS TO AREA SHOWN IN PHOTOGRAPH ON A2.31

A. PROTECT IN PLACE EXISTING MATERIALS AND FINISHES TO REMAIN.
B. AT HISTORIC LOBBY, REMOVE EXISTING OBSOLETE LIGHTING, EQUIPMENT, PANELS, CONDUIT, PIPING, SIGNAGE, SWITCHES, AND OUTLETS, U.N.O. PATCH HOLES TO MATCH ADJACENT MATERIALS.
D. REUSE EXISTING HOLES/PENETRATIONS WHENEVER POSSIBLE FOR NEW DEVICES.
F. RESTORE (E) CASEWORK, CLEAN AND REPAIR (E) HARDWARE TO FUNCTIONAL CONDITION. REPLACE MISSING HARDWARE TO MATCH (E). PAINT WOOD SURFACES.
G. AT HISTORIC LOBBY AND OFFICE, ALL CURRENTLY PAINTED SURFACES TO BE CLEANED, PREPPED, AND PAINTED.

PLASTER REPAIR GENERAL NOTES

AREAS OF PLASTER REPAIR AND/OR INFILL

P1. AT HISTORIC LOBBY AND OFFICE, U.N.O, PLASTER TO BE REPAIRED COMPLETELY. PHOTOGRAPHS INDICATE GENERAL LEVEL OF REPAIR REQUIRED. DRAWINGS INDICATE AREAS OF MOST SIGNIFICANT WORK, CONTRACTOR TO V.I.F. FULL EXTENT OF REPAIRS.
P2. AT HAIRLINE CRACKS AND SMALL HOLES, REPAIR WITH A TWO-COAT APPLICATION PROCESS.
P3. AT LARGER HOLES, CAREFULLY REMOVE REMAINING PLASTER BY HAND. ATTACH A DIAMOND MESH LATH TO THE HISTORIC LATH. APPLY NEW PLASTER AND LAP IT OVER EXTANT HISTORIC PLASTER TO CREATE AND STRONG AND SEAMLESS PATCH.
P4. APPLY A SKIM COAT TO MATCH THE EXISTING ADJACENT SURFACE FOR SPALLING AREAS OF PLASTER.
P5. AT LARGE EXPANSES OF DAMAGED OR MISSING PLASTER, INSTALL GYPSUM BOARD ON METAL LATH. FINISH WITH PLASTER SKIM COAT TO MATCH ADJACENT PLASTER SURFACES.

STONE VENEER REPAIR GENERAL NOTES

AREAS OF STONE VENEER REPAIR OR NEW INSTALLATION.

S1. STONE WAINSCOTING AND BASES TO BE CLEANED, PATCHED, AND REPAIRED COMPLETELY. PHOTOGRAPHS INDICATE GENERAL LEVEL OF REPAIR REQUIRED. DRAWINGS INDICATE AREAS OF MOST SIGNIFICANT WORK, CONTRACTOR TO V.I.F. FULL EXTENT OF REPAIRS.
S2. SALVAGE FOR REUSE ALL STONE BASE AND WAINSCOTING VENEER ON WALLS TO BE DEMOLISHED. SALVAGED STONE FROM DEMOLISHED WALLS SHALL BE USED FOR STONE REPAIR TO GREATEST EXTENT POSSIBLE.
S3. IN AREAS WHERE STONE IS BROKEN BUT PRESENT (I.E. NEAR LETTER D IN THE PHOTOGRAPHS) REMOVE AND SALVAGE PIECES FOR USE IN PATCHING.
S4. STONE WAINSCOTING AND BASES TO BE CLEANED, PATCHED, AND REPAIRED COMPLETELY. PHOTOGRAPHS INDICATE GENERAL LEVEL OF REPAIR REQUIRED. DRAWINGS INDICATE AREAS OF MOST SIGNIFICANT WORK, CONTRACTOR TO V.I.F. FULL EXTENT OF REPAIRS.
S5. FOR AREAS SMALLER THAN 9 SQ INCHES, A MASONRY PATCHING SYSTEM MAY BE USED. PATCHES TO MATCH COLOR, PATTERN, AND TEXTURE OF HISTORIC STONE.
S6. WHEN NEW STONE IS REQUIRED, NEW STONE TO MATCH EXISTING IN APPEARANCE, TEXTURE AND COLOR.

INTERIOR ELEVATION KEY NOTES:

1. CLEAN/REPAIR STONE WHERE WALL REMOVED.
2. REPAIR PLASTER WHERE WALL REMOVED.
3. REMOVE (E) FIRE HOSE CASE. REPAIR PLASTER AS REQUIRED.
4. REMOVE DRINKING FOUNTAIN. PATCH STONE WAINSCOT TO MATCH ADJACENT SURFACES.
5. REPAIR PLASTER AT REAR WALL OF RADIATOR NICHE.
6. REMOVE AND INFILL (N) ACCESS CABINET.
7. REPAIR PLASTER CORNICE AND PROVIDE BULKHEAD BACKING.
8. CONTINUE PLASTER REVEAL DETAIL AT NEW WALL.
9. EXISTING DAMAGE TO PLASTER AND STONE ENCAPSULATED BEHIND FURRING. PROVIDE FURRING AT DAMAGED CORNICE ABOVE TOP OF RESTROOM WALLS.
10. ALIGN TOP OF FURRING WITH PLASTER REVEAL.
11. PRESERVE (E) STONE BASE. PROVIDE (N) STONE CAP WHERE WALL REMOVED.
12. PLUMBING PIPING SHALL NOT PENETRATE ORNAMENTAL CORNICE
13. TOP OF FALSE CEILING ABOVE BATHROOM TO ALIGN WITH BOTTOM OF CORNICE

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Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

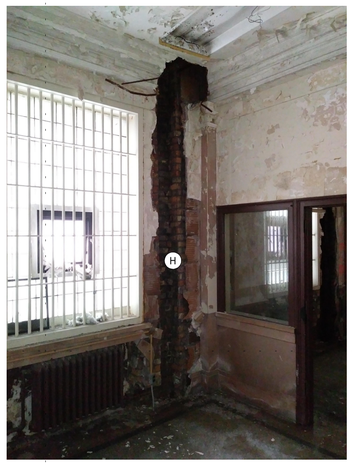
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INTERIOR ELEVATIONS - COMMON AREAS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

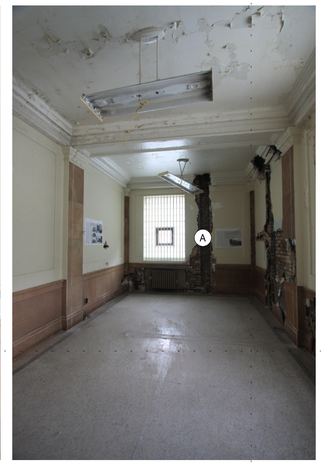
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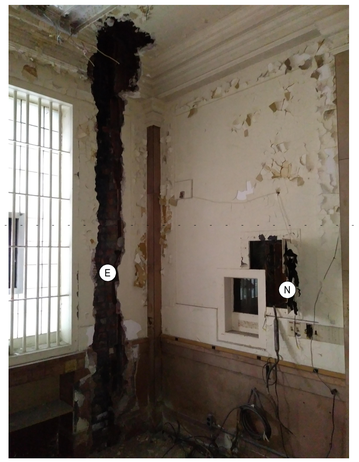


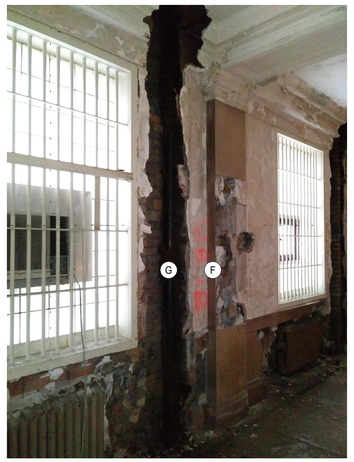






HISTORIC OFFICE EXISTING CONDITION PHOTOS









HISTORIC LOBBY EXISTING CONDITION PHOTOS







HISTORIC LOBBY EXISTING CONDITION PHOTOS

SEE SHEET A1.60/A2.30 FOR SCOPE NOTES

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NOTE: THIS SHEET IS TO BE PRINTED IN COLOR TO READ CORRECTLY

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NO	DATE	REVISION

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Signature:

Typed or Printed Name: ANDREW MADSON

Date: 1/10/20 Reg. No.: 50555

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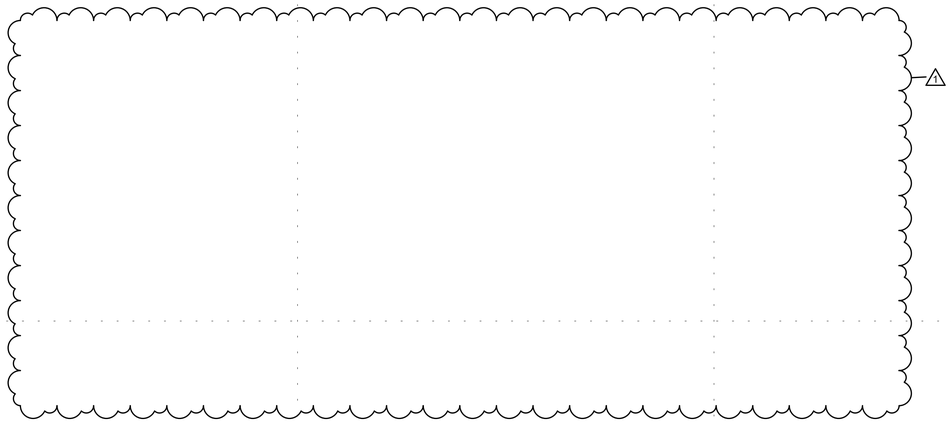
521 W. 2ND STREET
Duluth, MN 55802

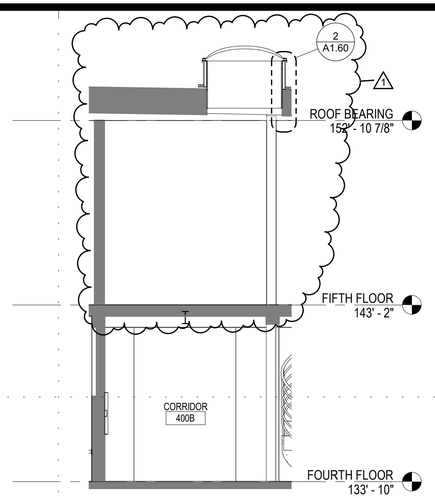
DRAWING TITLE:
INTERIOR ELEVATIONS - COMMON AREAS - EXISTING CONDITION PHOTOS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

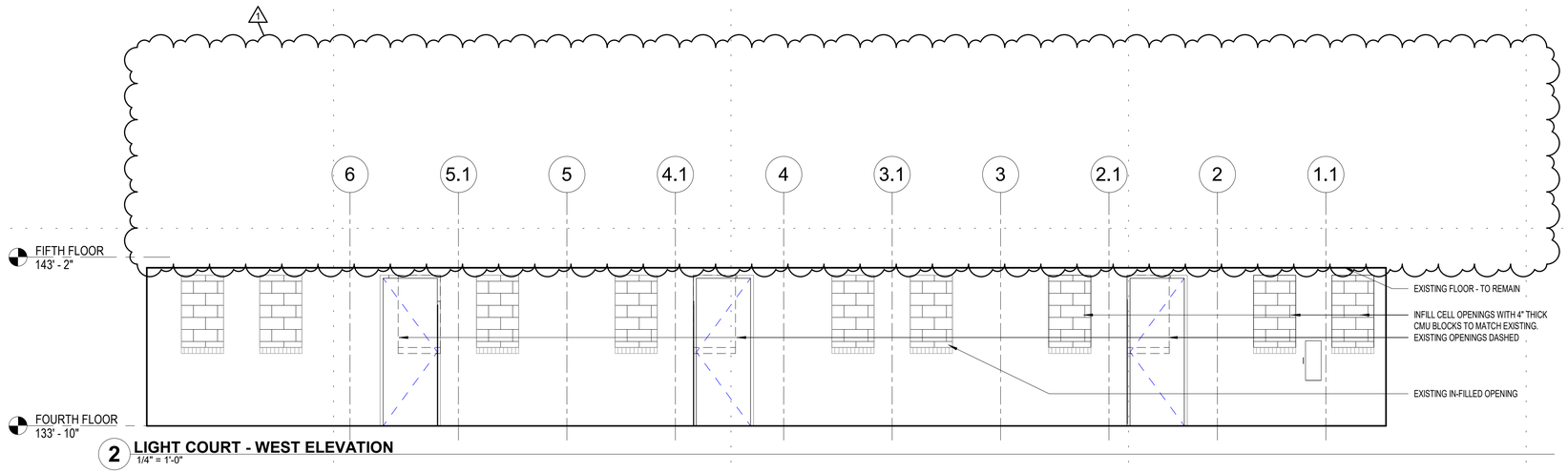
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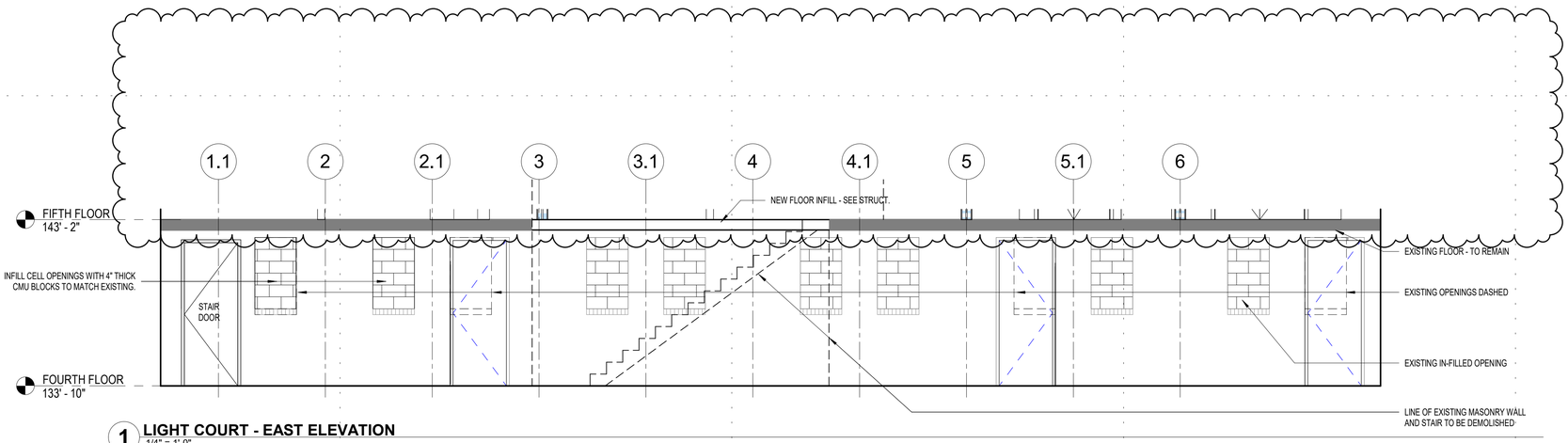




3 SECTION - SKYLIGHT SOFFIT
1/4" = 1'-0"



2 LIGHT COURT - WEST ELEVATION
1/4" = 1'-0"



1 LIGHT COURT - EAST ELEVATION
1/4" = 1'-0"

INTERIOR ELEV. GENERAL NOTES:

(Z) LETTER KEY NOTE CORRESPONDS TO AREA SHOWN IN PHOTOGRAPH ON A2.31

A. PROTECT IN PLACE EXISTING MATERIALS AND FINISHES TO REMAIN.
B. AT HISTORIC LOBBY, REMOVE EXISTING OBSOLETE LIGHTING, EQUIPMENT, PANELS, CONDUIT, PIPING, SIGNAGE, SWITCHES, AND OUTLETS, U.N.O. PATCH HOLES TO MATCH ADJACENT MATERIALS.
D. REUSE EXISTING HOLES/PENETRATIONS WHENEVER POSSIBLE FOR NEW DEVICES.
F. RESTORE (E) CASEWORK. CLEAN AND REPAIR (E) HARDWARE TO FUNCTIONAL CONDITION. REPLACE MISSING HARDWARE TO MATCH (E). PAINT WOOD SURFACES.
G. AT HISTORIC LOBBY AND OFFICE, ALL CURRENTLY PAINTED SURFACES TO BE CLEANED, PREPPED, AND PAINTED.

PLASTER REPAIR GENERAL NOTES

AREAS OF PLASTER REPAIR AND/OR INFILL

P1. AT HISTORIC LOBBY AND OFFICE, U.N.O, PLASTER TO BE REPAIRED COMPLETELY. PHOTOGRAPHS INDICATE GENERAL LEVEL OF REPAIR REQUIRED. DRAWINGS INDICATE AREAS OF MOST SIGNIFICANT WORK, CONTRACTOR TO V.I.F. FULL EXTENT OF REPAIRS.
P2. AT HAIRLINE CRACKS AND SMALL HOLES, REPAIR WITH A TWO-COAT APPLICATION PROCESS.
P3. AT LARGER HOLES, CAREFULLY REMOVE REMAINING PLASTER BY HAND. ATTACH A DIAMOND MESH LATH TO THE HISTORIC LATH. APPLY NEW PLASTER AND LAP IT OVER EXTANT HISTORIC PLASTER TO CREATE AND STRONG AND SEAMLESS PATCH.
P4. APPLY A SKIM COAT TO MATCH THE EXISTING ADJACENT SURFACE FOR SPALLING AREAS OF PLASTER.
P5. AT LARGE EXPANSES OF DAMAGED OR MISSING PLASTER, INSTALL GYPSUM BOARD ON METAL LATH. FINISH WITH PLASTER SKIM COAT TO MATCH ADJACENT PLASTER SURFACES.

STONE VENEER REPAIR GENERAL NOTES

AREAS OF STONE VENEER REPAIR OR NEW INSTALLATION.

S1. STONE WAINSCOTING AND BASES TO BE CLEANED, PATCHED, AND REPAIRED COMPLETELY. PHOTOGRAPHS INDICATE GENERAL LEVEL OF REPAIR REQUIRED. DRAWINGS INDICATE AREAS OF MOST SIGNIFICANT WORK, CONTRACTOR TO V.I.F. FULL EXTENT OF REPAIRS.
S2. SALVAGE FOR REUSE ALL STONE BASE AND WAINSCOTING VENEER ON WALLS TO BE DEMOLISHED. SALVAGED STONE FROM DEMOLISHED WALLS SHALL BE USED FOR STONE REPAIR TO GREATEST EXTENT POSSIBLE.
S3. IN AREAS WHERE STONE IS BROKEN BUT PRESENT (I.E. NEAR LETTER D IN THE PHOTOGRAPHS) REMOVE AND SALVAGE PIECES FOR USE IN PATCHING.
S4. STONE WAINSCOTING AND BASES TO BE CLEANED, PATCHED, AND REPAIRED COMPLETELY. PHOTOGRAPHS INDICATE GENERAL LEVEL OF REPAIR REQUIRED. DRAWINGS INDICATE AREAS OF MOST SIGNIFICANT WORK, CONTRACTOR TO V.I.F. FULL EXTENT OF REPAIRS.
S5. FOR AREAS SMALLER THAN 9 SQ INCHES, A MASONRY PATCHING SYSTEM MAY BE USED. PATCHES TO MATCH COLOR, PATTERN, AND TEXTURE OF HISTORIC STONE.
S6. WHEN NEW STONE IS REQUIRED, NEW STONE TO MATCH EXISTING IN APPEARANCE, TEXTURE AND COLOR.

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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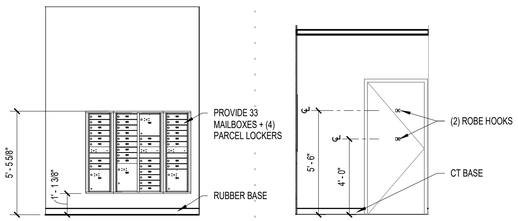
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DRAWING TITLE:
INTERIOR ELEVATIONS - COMMON AREAS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

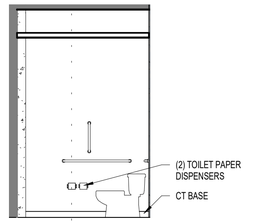
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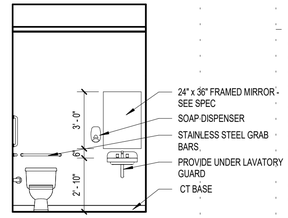


8 MAILBOXES ELEVATION
1/4" = 1'-0"

7 TOILET ROOM 109 - DOOR WALL
1/4" = 1'-0"



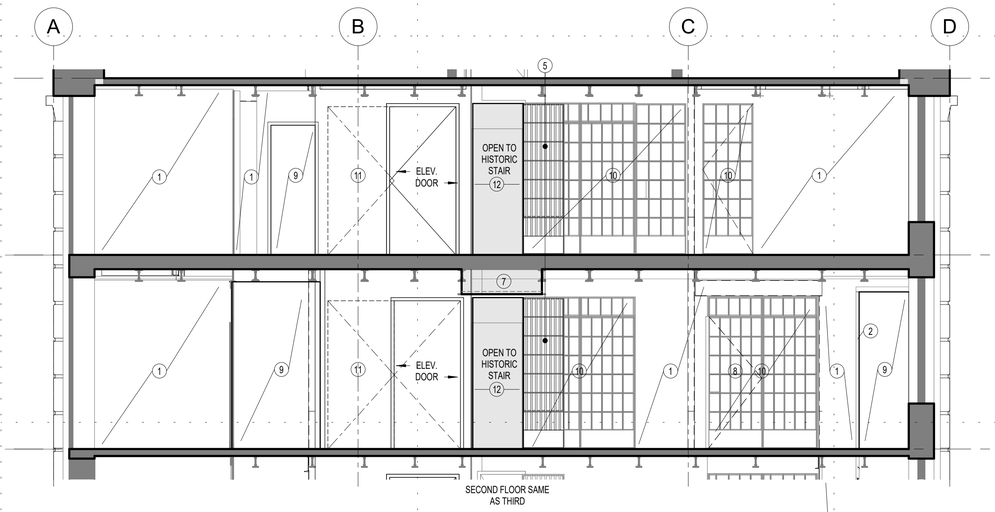
6 TOILET ROOM 109 - SIDE WALL
1/4" = 1'-0"



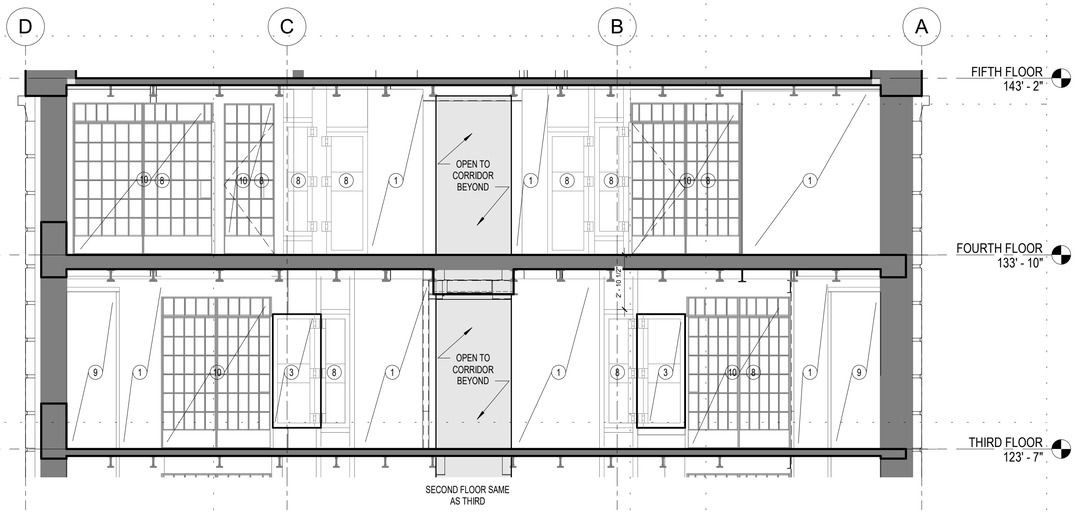
5 TOILET ROOM 109
1/4" = 1'-0"

GUARD CORRIDOR KEY NOTES:

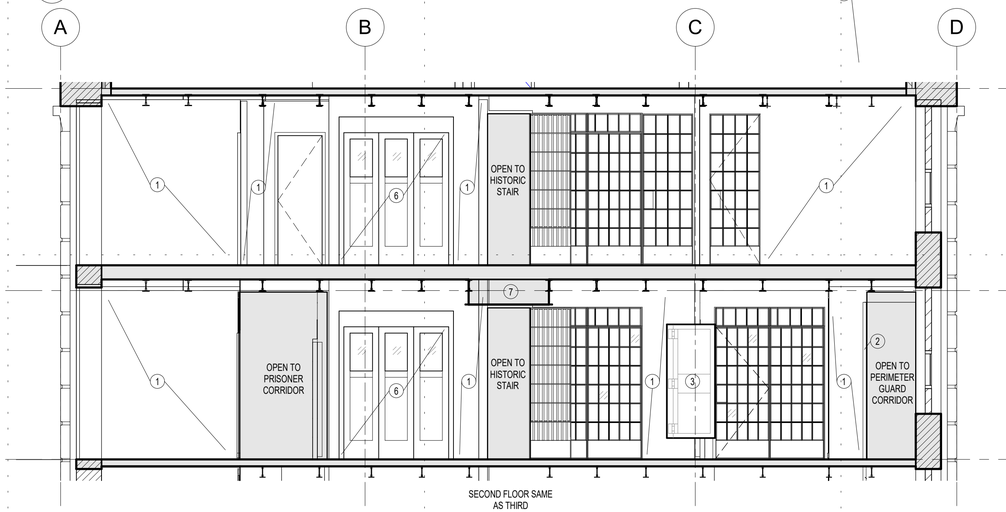
1. EXIST. PLATE STEEL WALL
2. EXIST. 2" DIAM. STEEL ROD/COLUMN STRUCTURE
3. EXIST. CELL DOOR OPENING LEVER DEVICE
4. EXIST. STEEL BEAMS
5. DOOR/BARS ARE TO BE FASTENED IN THE 180 DEGREE OPEN POSITION
6. EXIST. ELEVATOR DOORS
7. EXIST. MECH. PLENUM, TO BE REUSED
8. EXIST. ACCESS PANEL/DOOR, FIX IN CLOSED POSITION
9. PAINTED GYP. BD.
10. REMOVE PAINT FROM BOTH SIDES OF GLASS TO RESTORE TRANSPARENCY
11. SMOKE OVERLAY DOOR
12. WIDENED OPENING TO GET TO 32" CLEAR



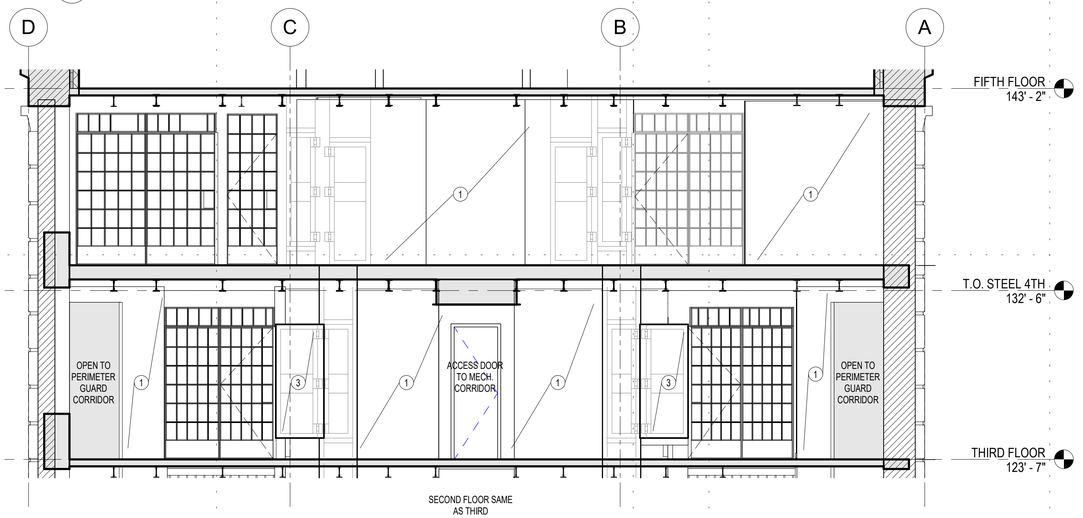
4 GUARD CORRIDOR EAST ELEVATION – NEW
1/4" = 1'-0"



2 GUARD CORRIDOR WEST ELEVATION - NEW
1/4" = 1'-0"



3 GUARD CORRIDOR EAST ELEVATION - EXISTING
1/4" = 1'-0"



1 GUARD CORRIDOR WEST ELEVATION - EXISTING
1/4" = 1'-0"

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Date: 1/10/20 Reg. No.: 50555

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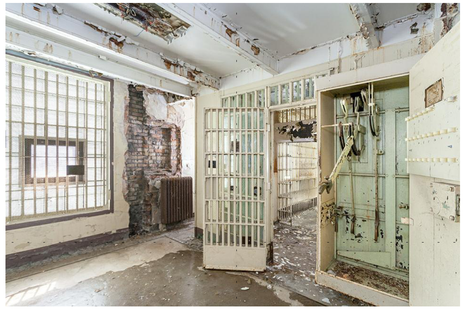
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GUARD CORRIDOR - 4TH FLOOR D



GUARD CORRIDOR - 4TH FLOOR A



GUARD CORRIDOR - 2ND AND 3RD FLOOR A



GUARD CORRIDOR - 4TH FLOOR B



GUARD CORRIDOR - 2ND AND 3RD FLOOR B



GUARD CORRIDOR - 4TH FLOOR C

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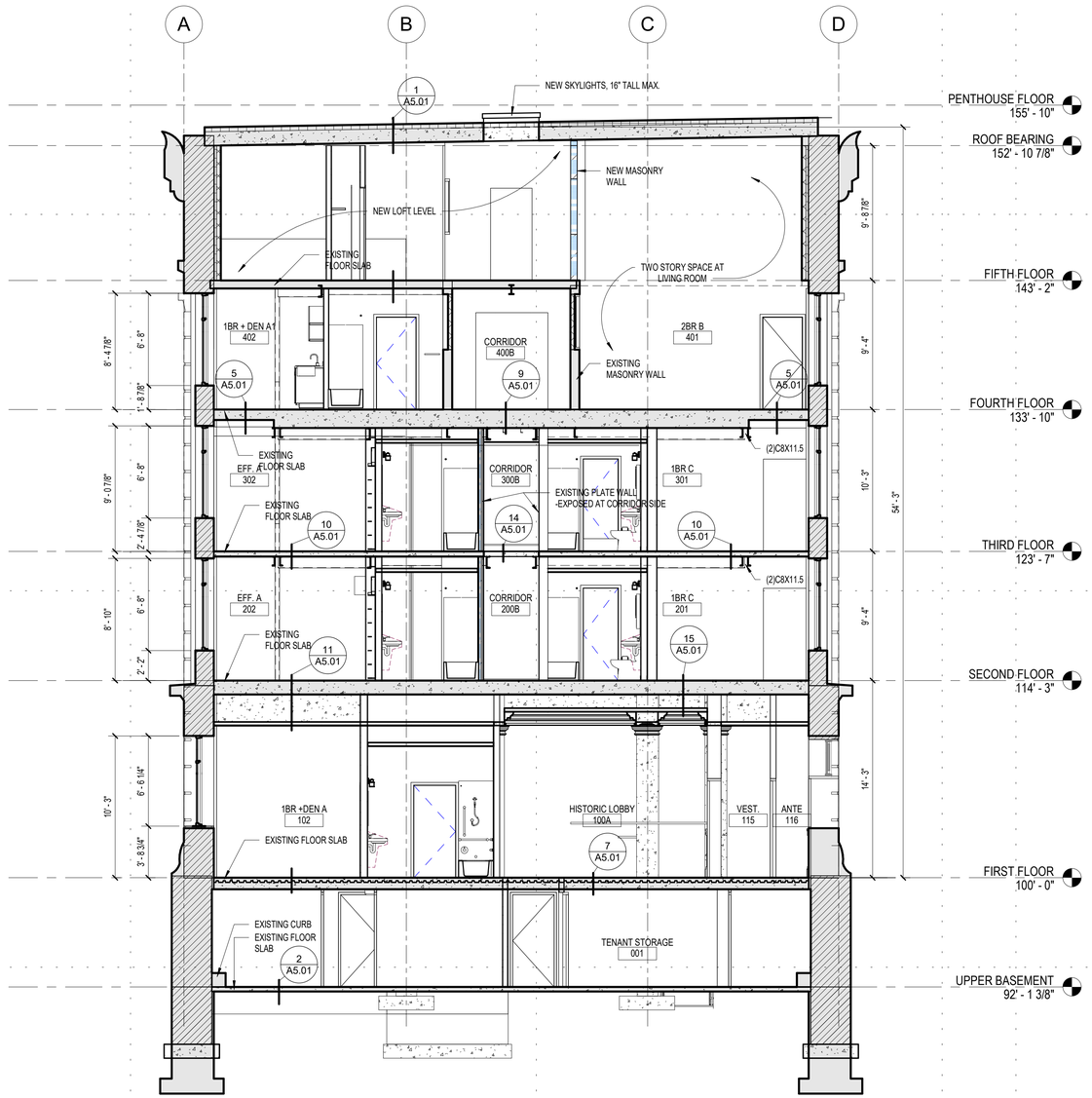
DRAWING TITLE:

INTERIOR ELEVATIONS - COMMON AREAS - EXISTING CONDITION PHOTOS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A2.24**

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1 BUILDING SECTION 1
3/16" = 1'-0"

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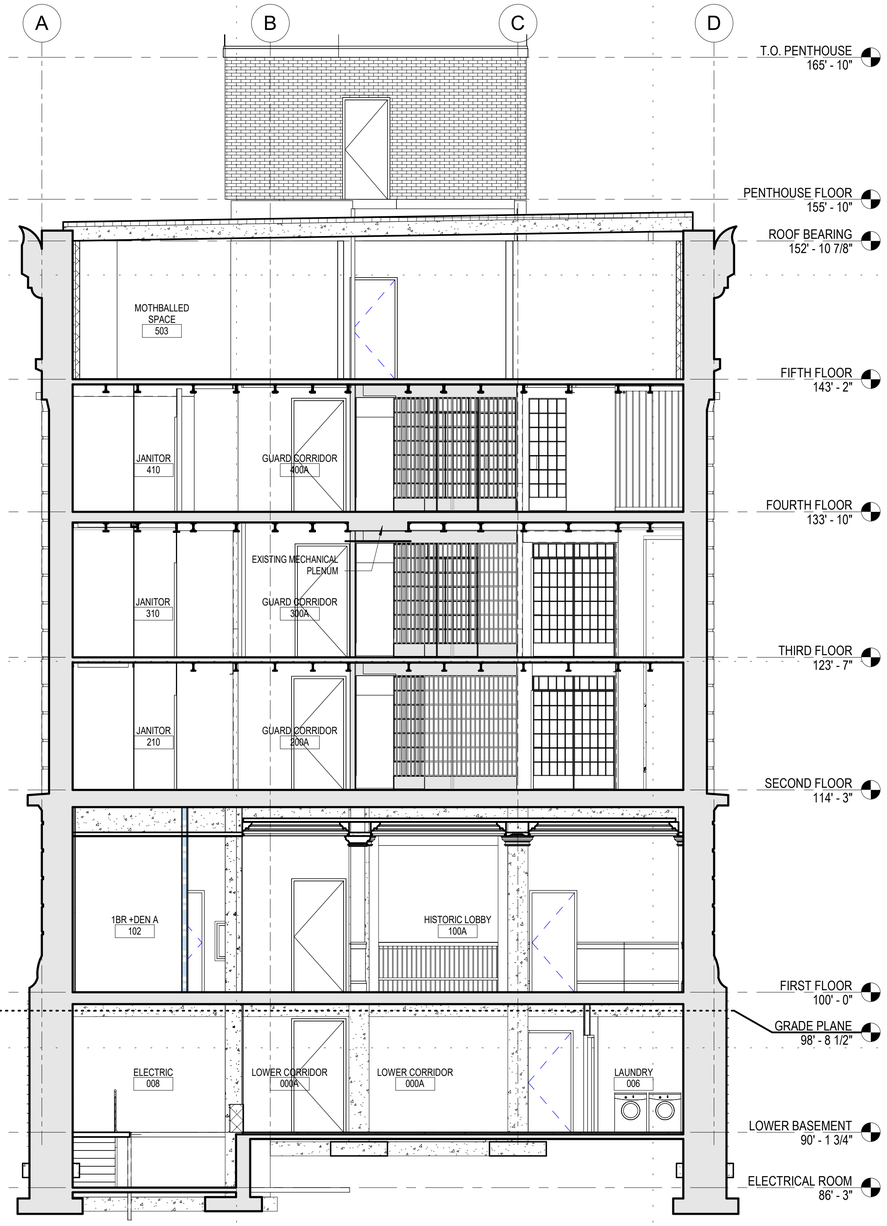
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BUILDING SECTIONS

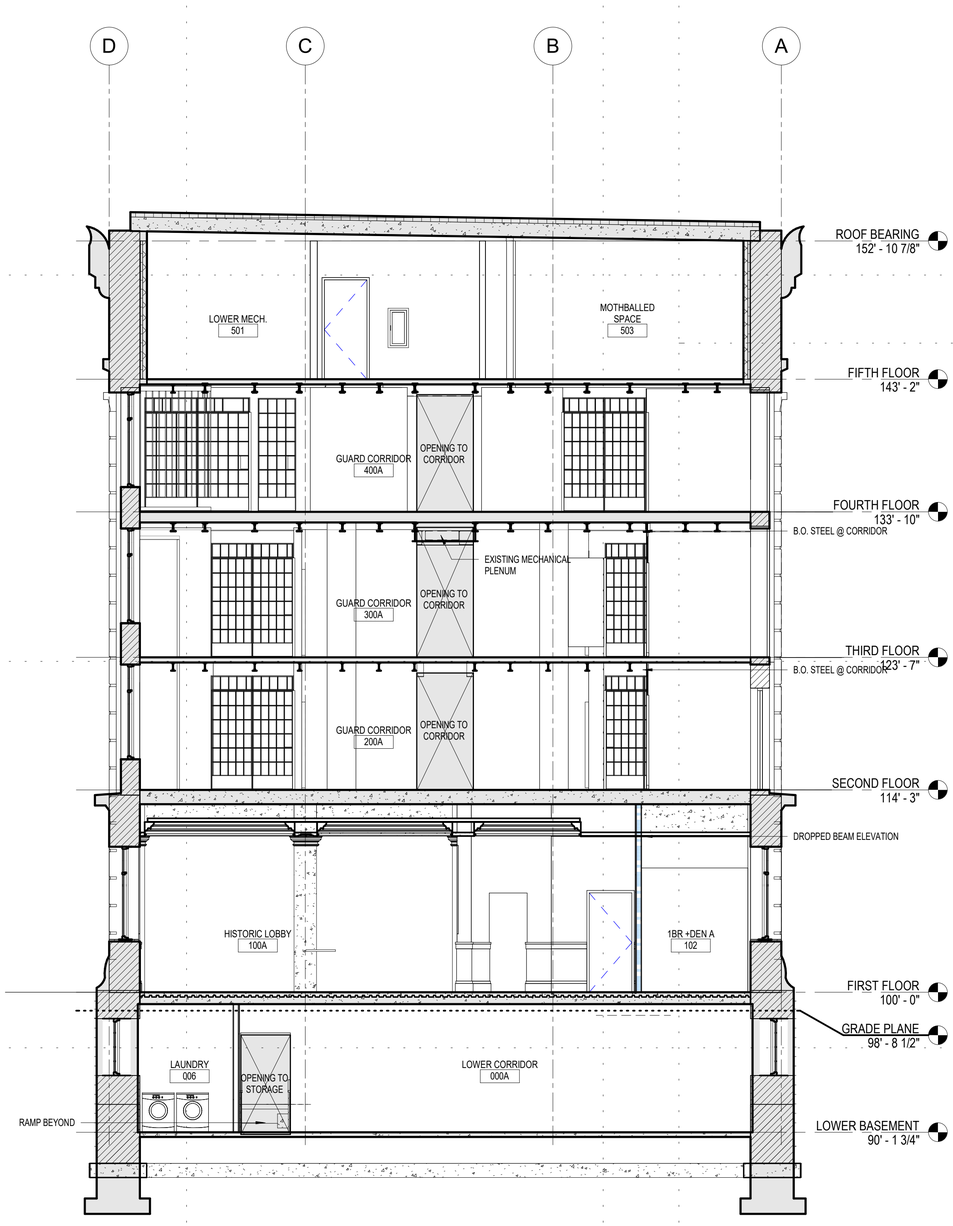
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CHECKED BY: Checker
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DRAWING NO: **A3.00**

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2 BUILDING SECTION 3 - THROUGH LOBBY/CORRIDOR
3/16" = 1'-0"



1 BUILDING SECTION 2 - THROUGH LOBBY/CORRIDOR
3/16" = 1'-0"

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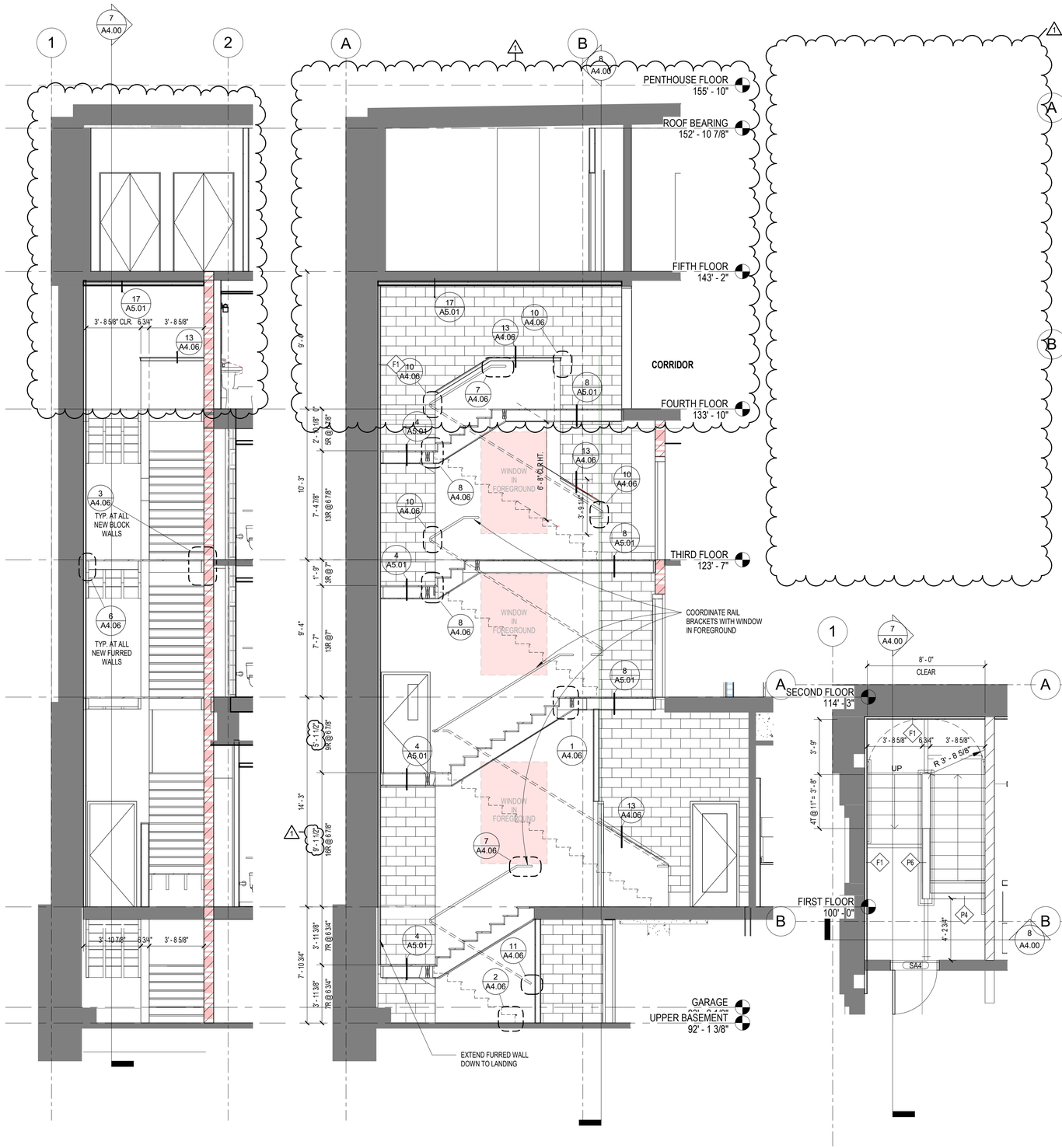
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BUILDING SECTIONS

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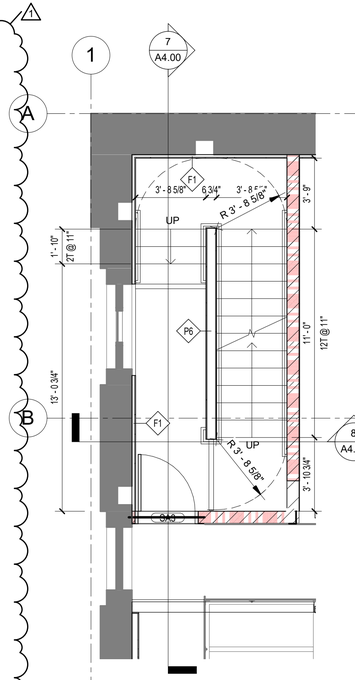
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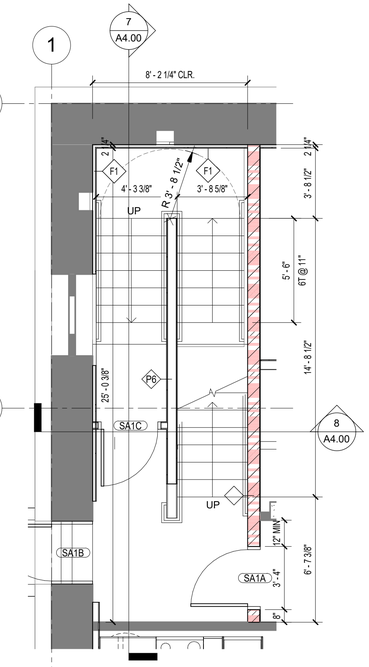


8 STAIR A E/W SECTION
1/4" = 1'-0"

7 STAIR A N/S SECTION
1/4" = 1'-0"

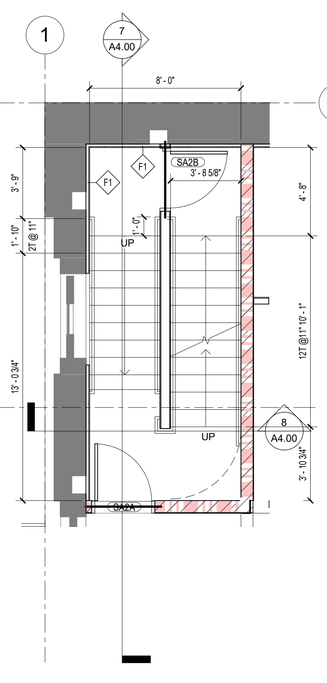


4 THIRD FLOOR - WEST STAIR
1/4" = 1'-0"

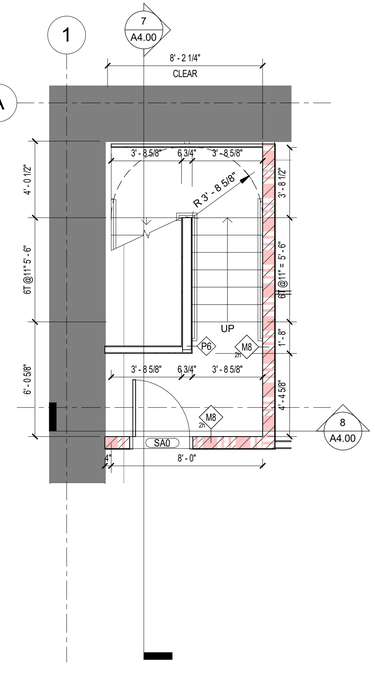


2 FIRST FLOOR - WEST STAIR
1/4" = 1'-0"

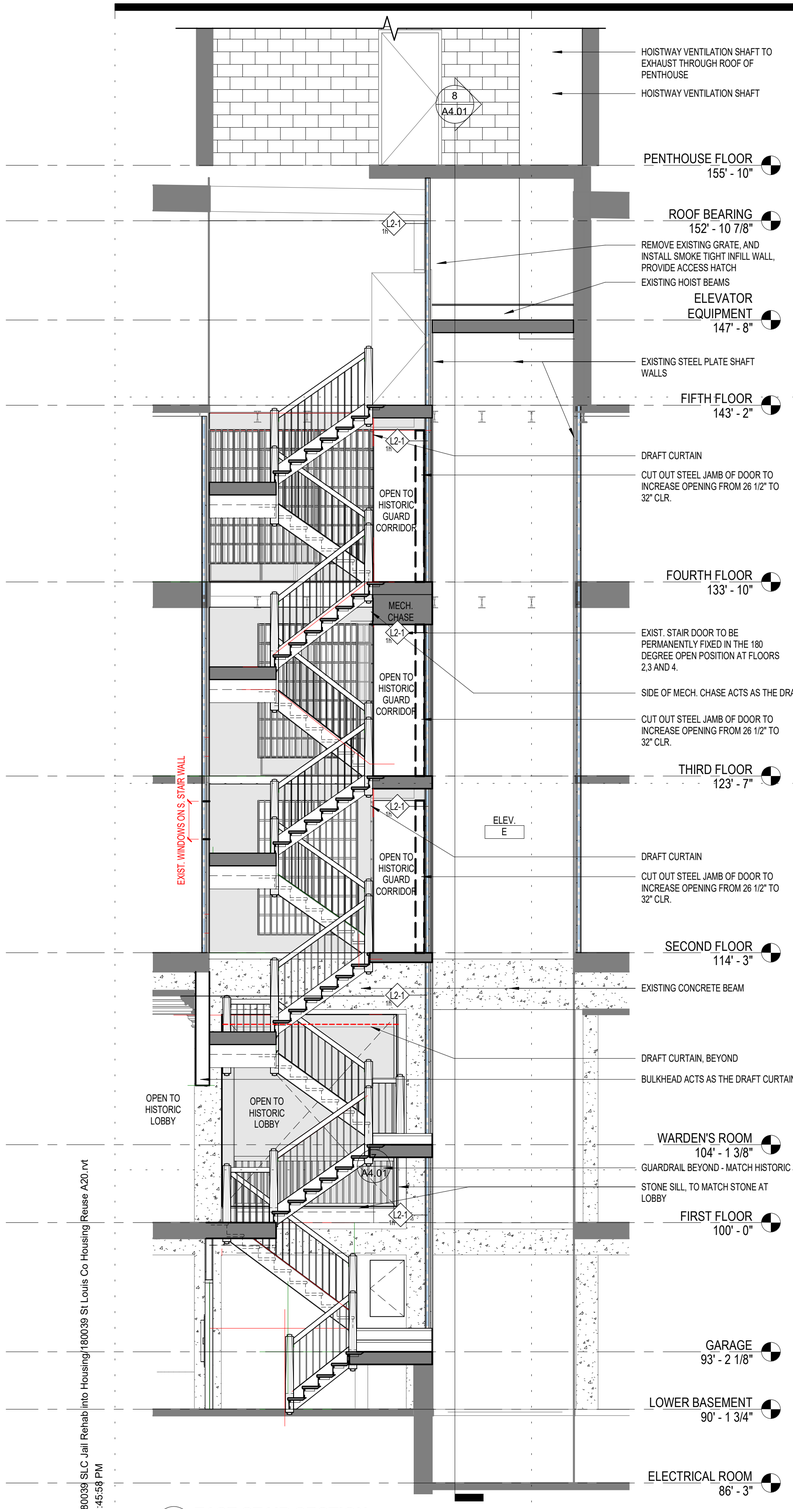
5 FOURTH FLOOR - WEST STAIR
1/4" = 1'-0"



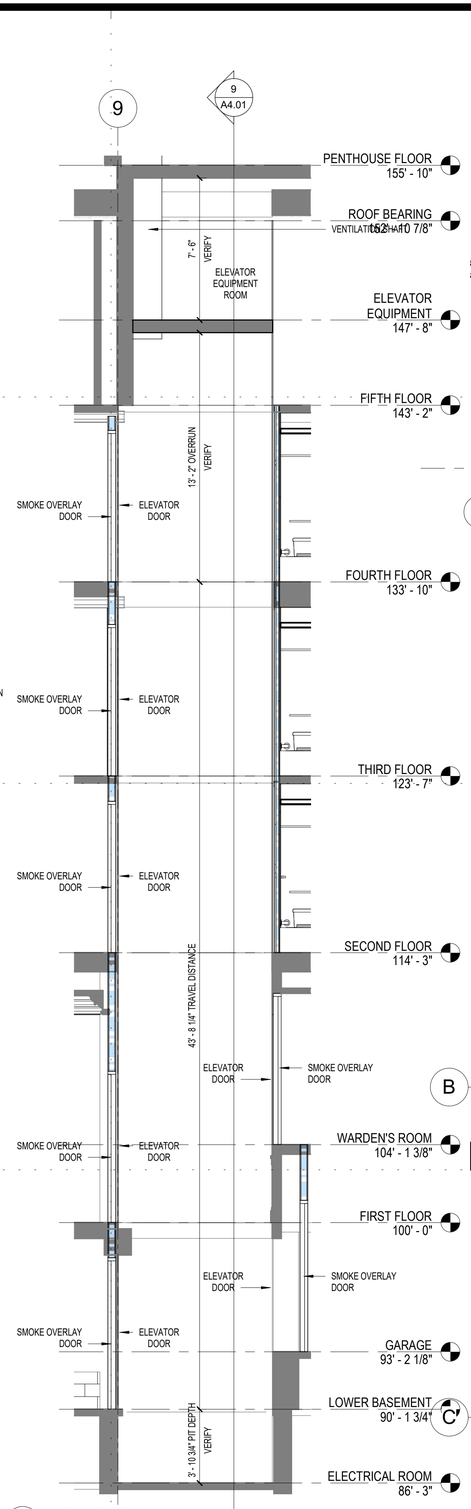
3 SECOND FLOOR - WEST STAIR
1/4" = 1'-0"



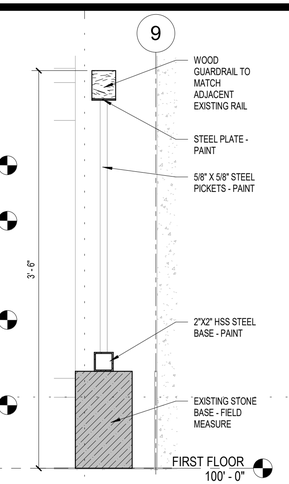
1 BASEMENT FLOOR - WEST STAIR
1/4" = 1'-0"



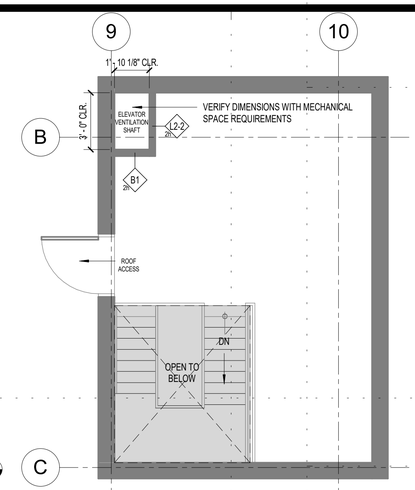
9 **EAST STAIR SECTION**
1/4" = 1'-0"



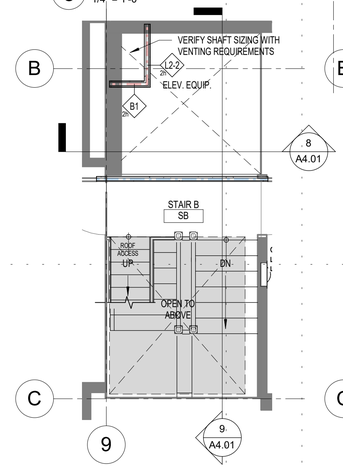
8 **ELEVATOR SECTION**
1/4" = 1'-0"



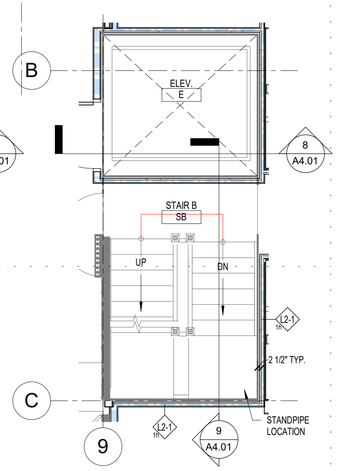
7 **DETAIL - GUARDRAIL**
1 1/2" = 1'-0"



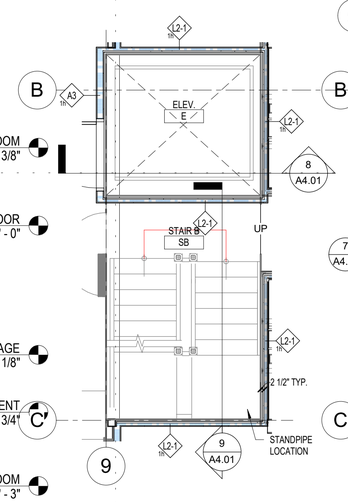
6 **PENTHOUSE - EAST STAIR**
1/4" = 1'-0"



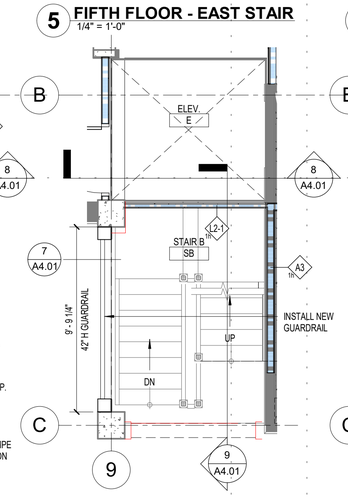
5 **FIFTH FLOOR - EAST STAIR**
1/4" = 1'-0"



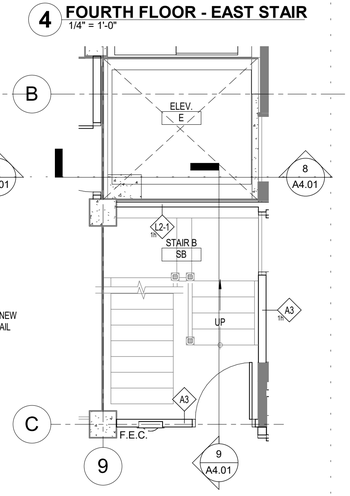
4 **FOURTH FLOOR - EAST STAIR**
1/4" = 1'-0"



3 **SECOND FLOOR - EAST STAIR**
1/4" = 1'-0" -THIRD FLOOR SIM.



2 **FIRST FLOOR - EAST STAIR**
1/4" = 1'-0"



1 **BASEMENT FLOOR - EAST STAIR**
1/4" = 1'-0"

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701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:

Typed or Printed Name: ANDREW MADSON

Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

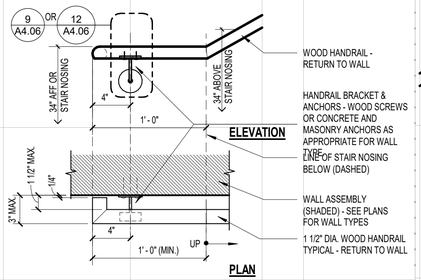
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
EAST STAIR SECTIONS and ENLARGED PLANS

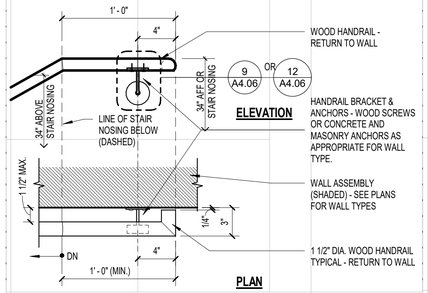
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CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A4.01**

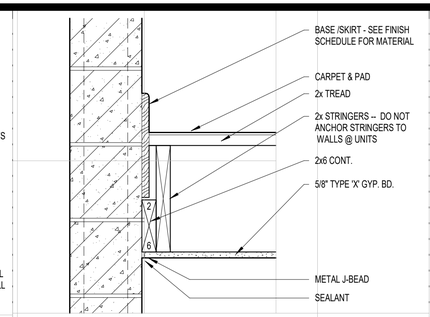
BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:45:58 PM



11 HANDRAIL BOTTOM @ SIDE WALL
1 1/2" = 1'-0"



7 HANDRAIL TOP @ SIDE WALL
1 1/2" = 1'-0"

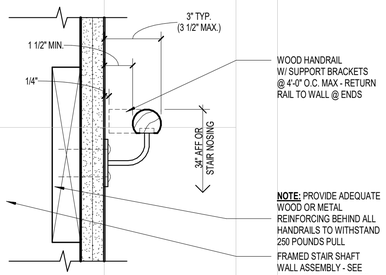


3 STRINGER @ MASONRY WALL
1 1/2" = 1'-0"

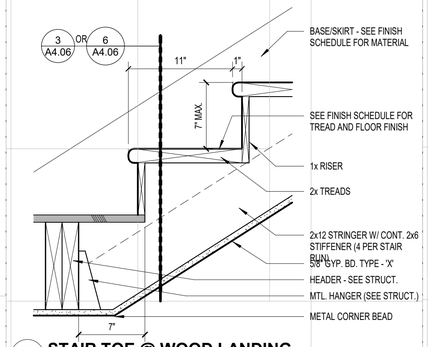
GENERAL PUBLIC STAIR NOTES:

(THESE APPLY TO ALL PUBLIC STAIRS)

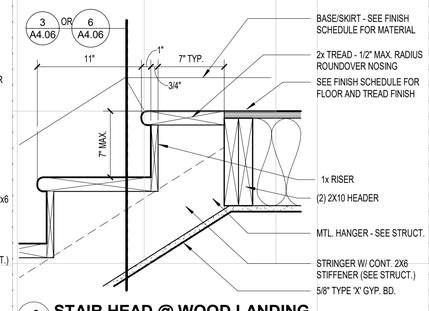
1. FIRE RATINGS MUST EXTEND CONTINUOUSLY THROUGH FLOOR STRUCTURES AND UP TO ROOF DECK (OR INDEPENDENT CEILING STRUCTURE). REFER TO DETAILS.
2. NO PENETRATIONS OF STAIR WALLS ARE ALLOWED, EXCEPT FOR ITEMS INDICATED IN DRAWINGS.
3. PER IBC 1009.3: STAIR RISER HEIGHTS SHALL BE 7 INCHES MAXIMUM AND 4 INCHES MINIMUM. STAIR TREAD DEPTHS SHALL BE 11 INCHES MINIMUM. THE RISER HEIGHT SHALL BE MEASURED VERTICALLY BETWEEN THE LEADING EDGES OF ADJACENT TREADS (I.E. TREAD TO TREAD). THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE (I.E. NOSE TO NOSE). ALL TREADS AND RISERS MUST BE UNIFORM WITHIN 3/8".
4. PROVIDE HANDRAIL AT EACH SIDE OF EVERY STAIR.
5. HANDRAILS SHALL BE 1-1/4" MIN. TO 2" MAX. OUTSIDE DIAMETER OR EQUIVALENT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE MOUNTED AT 34" MIN. TO 38" MAX. ABOVE STAIR NOSINGS AND WALKING SURFACES. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACE AND ADJACENT SURFACES SHALL BE 1-1/2" MIN. AND HANDRAIL MUST NOT PROJECT MORE THAN 4-1/2" FROM WALL. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS AND WALKING SURFACES FOR THEIR ENTIRE LENGTH.
6. INSTALL CONTINUOUS BLOCKING ON BOTH SIDES OF STAIRS ADEQUATE TO ACCOMMODATE HANDRAIL BRACKET LOADS. LOCATE BLOCKING BEHIND, AND CENTERED ON, HANDRAIL LOCATIONS. INSTALL ADDITIONAL BLOCKING WHERE NECESSARY FOR A COMPLETE AND CODE COMPLIANT INSTALLATION OF STAIRS, HANDRAILS AND BRACKETS. EACH BRACKET SHALL RESIST A LOAD OF 250 POUNDS APPLIED IN ANY DIRECTION. INSTALL HANDRAIL BRACKETS AT 4'-0" MAX. OR CLOSER TO ACHEIVE THE REQUIRED LOAD RESISTANCE. EACH SECTION OF HANDRAIL SHALL HAVE TWO BRACKETS, MINUMUM.
7. HANDRAIL TO CONTINUE 12" PAST BOTTOM TREAD NOSE.
8. HANDRAIL TO LEVEL OFF AND CONTINUE 12" PAST TOP TREAD NOSE.
9. END OF HANDRAIL MUST RETURN TO WITHIN 1/8 INCH OF WALL OR FLOOR.
10. NOTES 7, 8 AND 9 APPLY TO TOPS AND BOTTOMS OF HANDRAILS ONLY AND DO NOT APPLY TO HANDRAILS THAT ARE CONTINUOUS TO NEXT FLIGHT OF STAIRS.
11. PER IBC 1009.2, REQUIRED HEADROOM CLEARANCE SHALL BE 80 INCHES MIN. MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGE OF THE NOSES.



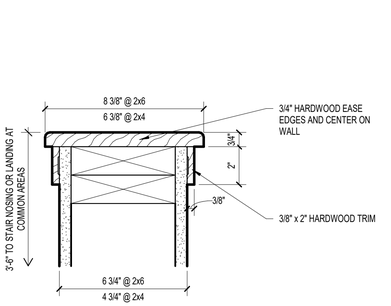
12 HANDRAIL DETAIL - FRAMED WALL
3" = 1'-0"



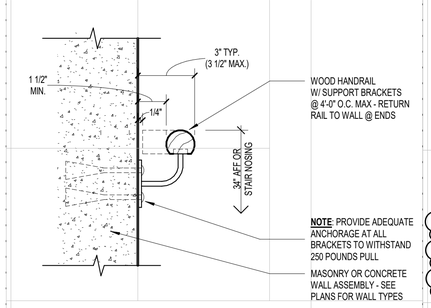
8 STAIR TOE @ WOOD LANDING
1 1/2" = 1'-0"



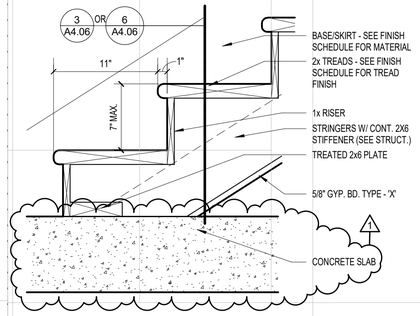
4 STAIR HEAD @ WOOD LANDING
1 1/2" = 1'-0"



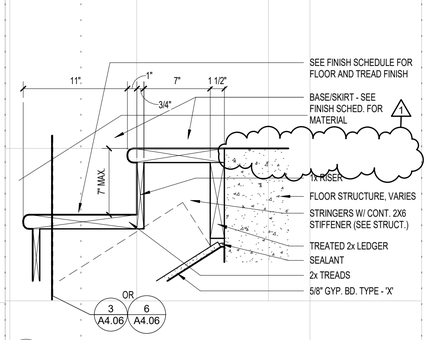
13 LOW WALL CAP 2
3" = 1'-0"



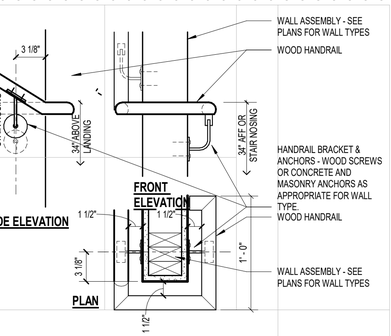
9 HANDRAIL DETAIL - CMU OR CONC. WALL
3" = 1'-0"



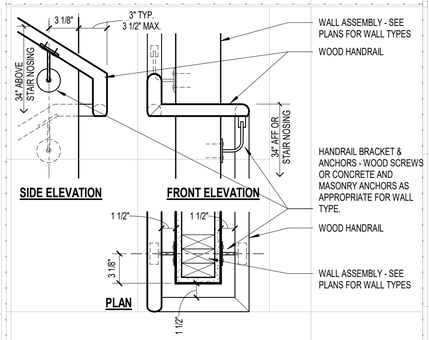
5 STAIR TOE @ TOPPING
1 1/2" = 1'-0"



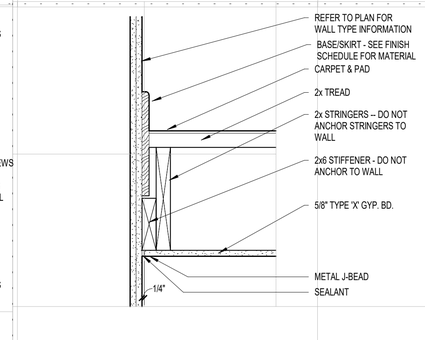
1 STAIR HEAD @ TOPPING
1 1/2" = 1'-0"



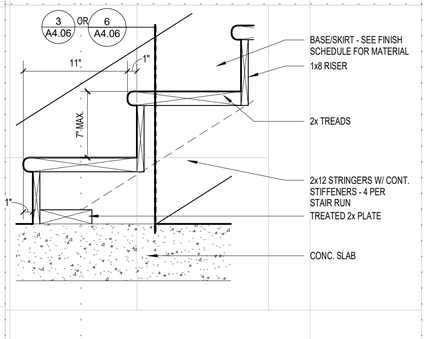
14 WRAPPING HANDRAIL @ CENTER WALL
1 1/2" = 1'-0"



10 CONTINUOUS HANDRAIL @ CENTER WALL
1 1/2" = 1'-0"



6 STRINGER @ STUD WALL
1 1/2" = 1'-0"



2 STAIR TOE @ SLAB-ON-GRADE
1 1/2" = 1'-0"

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THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
STAIR DETAILS

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **A4.06**

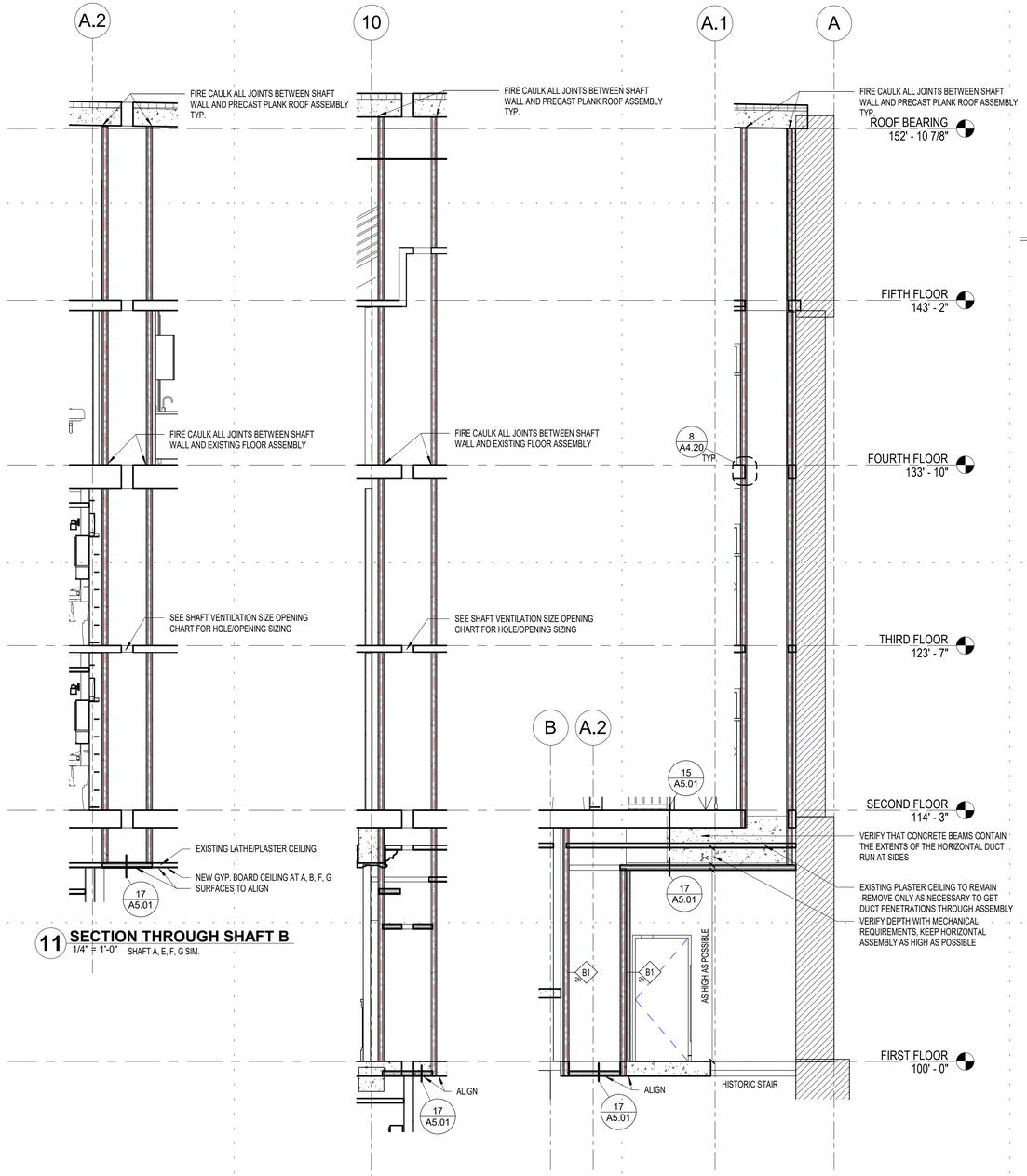
BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:46:03 PM

SHAFT VENTILATION HOLE SIZING									
	MECHANICAL SHAFT ID								
FLOOR STRUCTURE PENETRATED	A		B	C		D	E	F	G
	PLAN WEST	PLAN EAST		PLAN WEST	PLAN EAST				
ROOF	OPEN	5"x18"	5"x18"	OPEN	5"x18"	6"x18"	5"x18"	5"x18"	5"x18"
5TH	OPEN	12"D	12"D	OPEN	12"D	12"D	12"D	12"D	12"D
4TH	OPEN	10"D	10"D	OPEN	10"D	12"D	10"D	10"D	10"D
3RD	OPEN	8"D	8"D	OPEN	8"D	12"D	8"D	8"D	8"D
2ND	OPEN	6"D	6"D	OPEN	6"D	10"D	6"D	6"D	6"D
1ST	-	-		-	-	8"D	-	-	-

D = DIAMETER

MECHANICAL SHAFT GENERAL NOTES:
1. MECHANICAL SHAFT WALLS IN THIS PROJECT ARE TO BE CONSTRUCTED AS 2 HOUR FIRE BARRIERS AND 2 HOUR HORIZONTAL ASSEMBLIES (ONLY AT SHAFT C)
2. OPENINGS OTHER THAN THOSE NECESSARY FOR THE PURPOSE OF THE SHAFT SHALL NOT BE PERMITTED IN SHAFT ENCLOSURES.
3. PENETRATIONS OTHER THAN THOSE NECESSARY FOR THE PURPOSE OF THE SHAFT SHALL NOT BE PERMITTED IN SHAFT ENCLOSURES.
EXCEPTION: STRUCTURAL ELEMENTS, SUCH AS BEAMS OR JOISTS WHERE PROTECTED WITH FIRE CAULKING AT THE PERIMETER OF THE PENETRATION SHALL BE PERMITTED.
4. ROUTE ALL ELECTRICAL AROUND SHAFT. DO NOT INSTALL ELECTRICAL IN SHAFT WALL
5. VERIFY DIMENSIONS OF SHAFT WITH MECHANICAL SPACE REQUIREMENTS

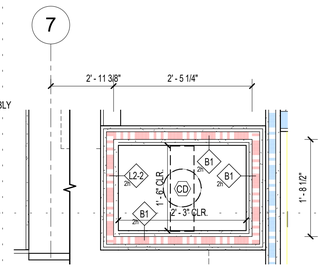
(CD) CORE DRILLED HOLES/OPENINGS THROUGH CONCRETE, SEE VENTING CHART FOR SIZES ON 420, SEE LOCATIONS ON DEMO SHEETS



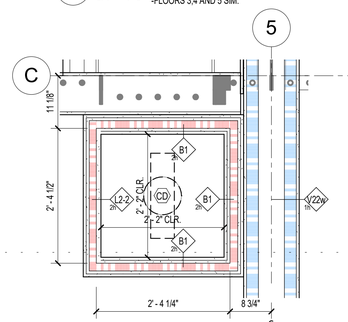
11 SECTION THROUGH SHAFT B
1/4" = 1'-0" SHAFT A, E, F, G SIM.

10 SECTION THROUGH SHAFT D
1/4" = 1'-0"

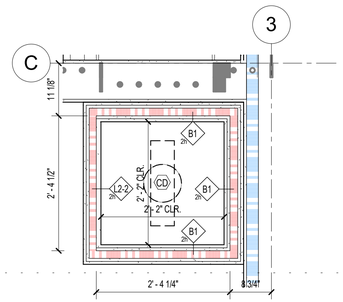
9 SECTION THROUGH SHAFT C
1/4" = 1'-0"



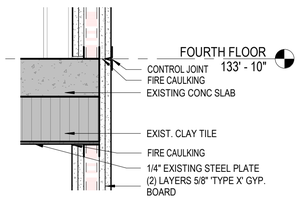
5 SECOND FLOOR - SHAFT E
3/4" = 1'-0" -FLOORS 3,4 AND 5 SIM.



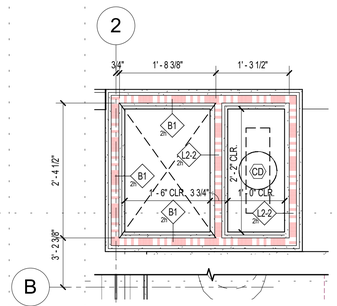
6 SECOND FLOOR - SHAFT F
3/4" = 1'-0" -FLOORS 3,4 AND 5 SIM.



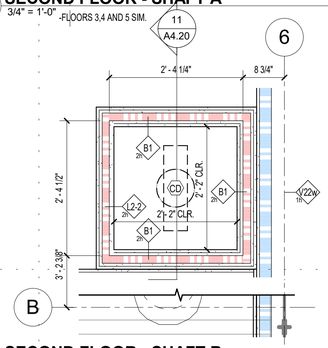
7 SECOND FLOOR - SHAFT G
3/4" = 1'-0" -FLOORS 3,4 AND 5 SIM.



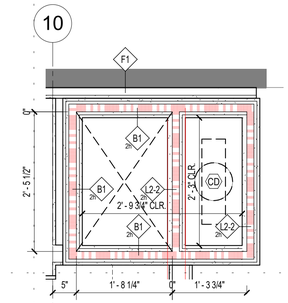
8 TYP. DETAIL AT FLOOR PENETRATION
1 1/2" = 1'-0"



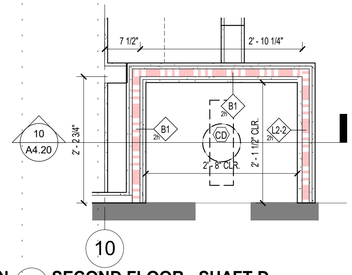
1 SECOND FLOOR - SHAFT A
3/4" = 1'-0" -FLOORS 3,4 AND 5 SIM.



2 SECOND FLOOR - SHAFT B
3/4" = 1'-0" -FLOORS 3,4 AND 5 SIM.



3 SECOND FLOOR - SHAFT C
3/4" = 1'-0" -FLOORS 3,4 AND 5 SIM., SHAFT JOGS AT 1ST FLOOR CEILING



4 SECOND FLOOR - SHAFT D
3/4" = 1'-0" -FLOORS 1, 3, 4 AND 5 SIM.

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CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

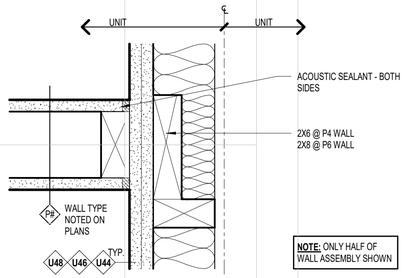
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
MECHANICAL SHAFTS

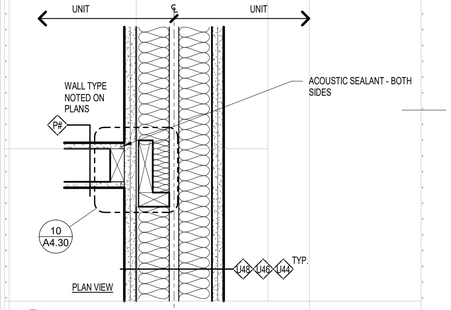
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CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: A4.20

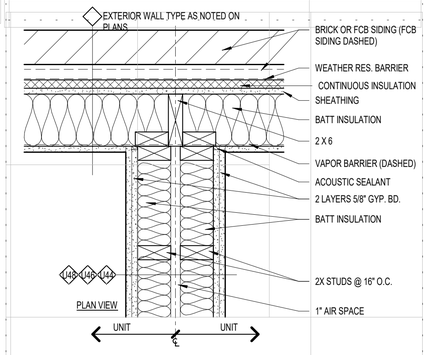
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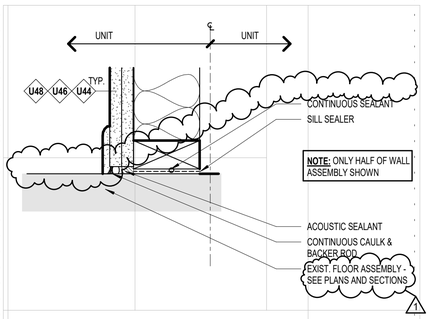
10 UNIT SEP. WALL AT INTERIOR WALL
3" = 1'-0"



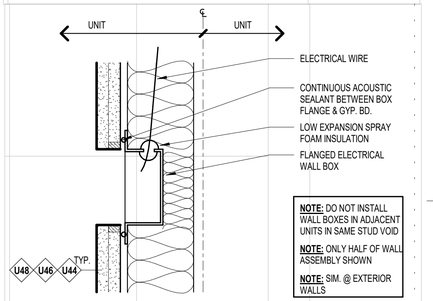
6 FRAMING DETAIL @ RATED WALL
1 1/2" = 1'-0"



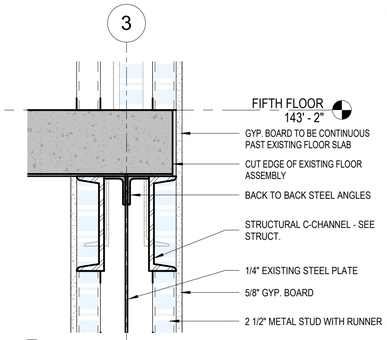
7 UNIT SEPARATION WALL AT EXTERIOR
1 1/2" = 1'-0"



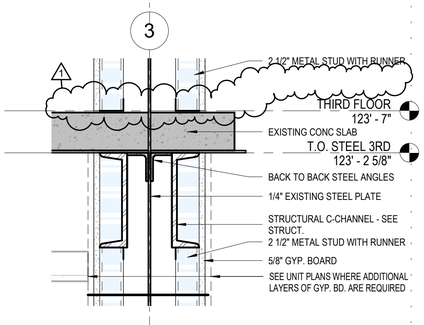
8 VAPOR SEAL AT FLOOR AT UNIT SEP WALL
3" = 1'-0"



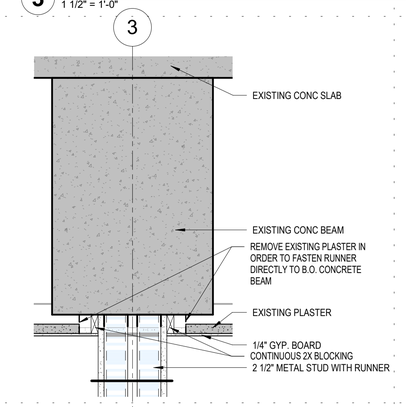
9 VAPOR SEAL @ WALL BOX
3" = 1'-0"



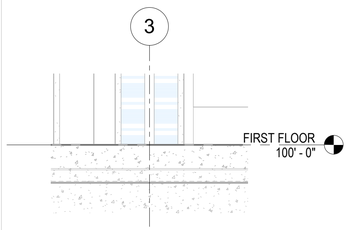
2 UNIT SEPARATION WALL - Callout 4
1 1/2" = 1'-0"



3 UNIT SEPARATION WALL - Callout 3
1 1/2" = 1'-0"



4 UNIT SEPARATION WALL - Callout 2
1 1/2" = 1'-0"

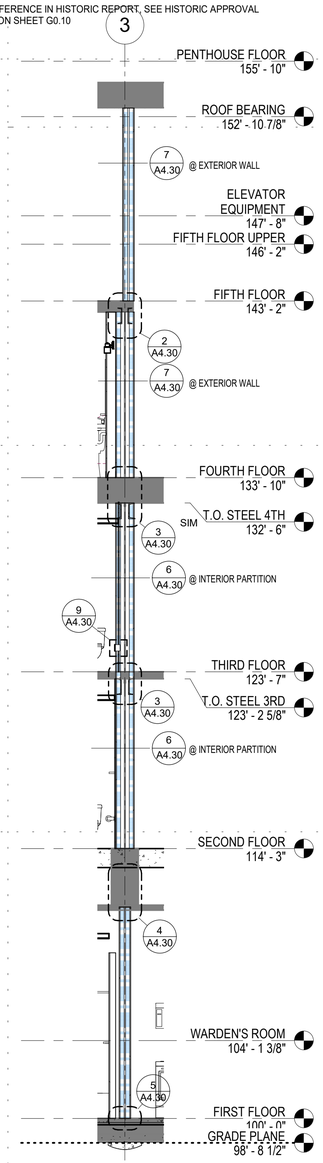


5 UNIT SEPARATION WALL - Callout 1
1 1/2" = 1'-0"

GENERAL SHEET NOTES

1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
2. SEE G0.10 FOR PROJECT NOTES INCLUDING:
   - GENERAL BUILDING PLAN NOTES
   - HISTORIC APPROVAL INFORMATION
   - GENERAL UNIT PLAN NOTES
   - GENERAL KITCHEN NOTES
   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10



1 UNIT SEPARATION WALL 1
1/4" = 1'-0"

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CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

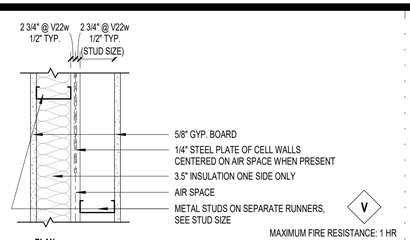
521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
UNIT SEPARATION WALL SECTIONS AND DETAILS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A4.30**

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:46:16 PM



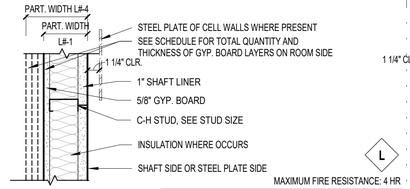
V

MAXIMUM FIRE RESISTANCE: 1 HR

DOUBLE METAL STUD - 1 LAYER GYP. BOARD

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC Rating w/ Insulation	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
V22	2 1/2" (2 1/2")	7 1/4"	58	TL09-593	U493	
V22w	2 1/2" (2 1/2")	11 3/4"	56	USG-020239	U493	

V WALL TYPE V SERIES
1 1/2" = 1'-0"



L

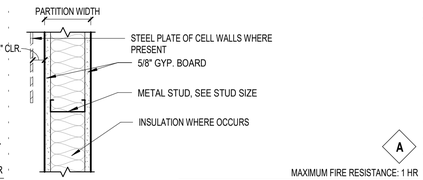
MAXIMUM FIRE RESISTANCE: 4 HR

METAL STUD - 1 LAYER GYP. BOARD EACH SIDE

AT CORRIDOR LOCATIONS WHERE STEEL PLATE IS PRESENT, WALL ASSEMBLY IS TO BE ACOUSTICALLY FIELD TESTED TO MEET STC 45 (IBC 1206)

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
L2-1	2 1/2"	3 1/8"	40-44	--	RAL TL09-357	U415	1 LAYER 5/8" GYP BD
L2-2	2 1/2"	3 3/4"	48	38	RAL-OT04-019	U415	2 LAYERS 1/2" OR 5/8" GYP BD
L6-1	6"	6 5/8"	--	--		U415	1 LAYER 5/8" GYP BD

L WALL TYPE L SERIES
1 1/2" = 1'-0"



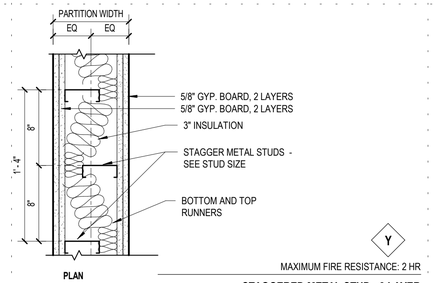
A

MAXIMUM FIRE RESISTANCE: 1 HR

METAL STUD - 1 LAYER GYP. BOARD EACH SIDE

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
A1	1 5/8"	2 7/8"	--	--			GYP BD. TO BE INSTALLED VERTICALLY
A3	3 5/8"	4 7/8"	49	40	SA-870717	U465	
A5	5 1/2"	6 3/4"	49	40	SA-870717	U465	
A6	6"	7 1/4"	49	40	SA-870717	U465	

A WALL TYPE A SERIES
1 1/2" = 1'-0"



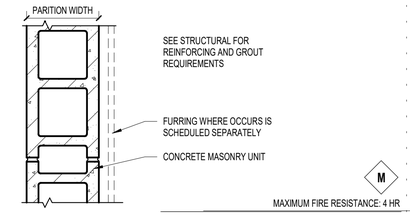
Y

MAXIMUM FIRE RESISTANCE: 2 HR

STAGGERED METAL STUD - 2 LAYER GYP. BOARD EACH SIDE

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC Rating w/o Insulation	STC Rating w/ Insulation	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
Y	3 5/8" (3 5/8")	8 1/2"		52	USG-020239	U493	

Y WALL TYPE Y SERIES (UNIT SEP. - STAGGERED STUD)
1 1/2" = 1'-0"



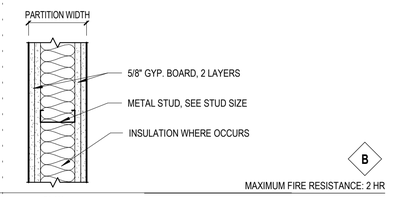
M

MAXIMUM FIRE RESISTANCE: 4 HR

CONCRETE MASONRY UNIT

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
M8	7 5/8"	8"				U901	

M WALL TYPE M SERIES
1 1/2" = 1'-0"



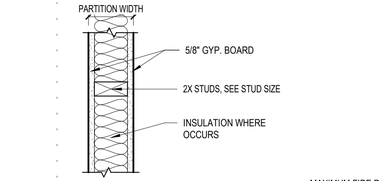
B

MAXIMUM FIRE RESISTANCE: 2 HR

METAL STUD - 2 LAYER GYP. BOARD EACH SIDE

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
B1	1 5/8"	4 1/8"	--	--		U419	
B6	6"	8 1/2"	56	48	USG-840818	U411	

B WALL TYPE B SERIES
1 1/2" = 1'-0"



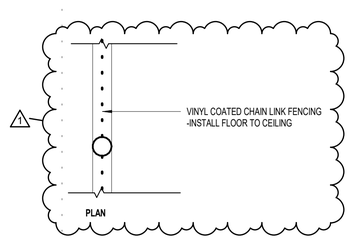
P

MAXIMUM FIRE RESISTANCE: 1 HR

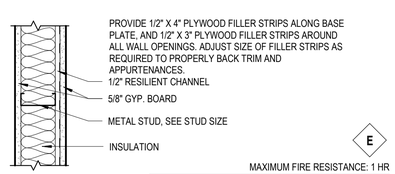
WOOD STUD - 1 LAYER GYP. BOARD EACH SIDE

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
P4	2X4	4 3/4"	40	34		U305	
P6	2X6	6 3/4"	44	40		U305	

P WALL TYPE P SERIES
1 1/2" = 1'-0"



S WALL TYPE - STORAGE UNIT
1 1/2" = 1'-0"



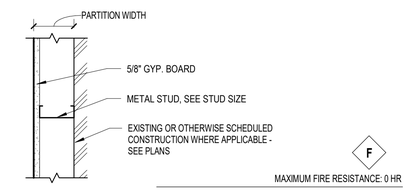
E

MAXIMUM FIRE RESISTANCE: 1 HR

METAL STUD - 1 LAYER GYP. BOARD EACH SIDE WITH RESILIENT CHANNEL

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
E3	3 5/8"	5 3/8"	54	--	RAL-TL-83-216	U451	
E5	5 1/2"	7 1/4" 1	54	--	RAL-TL-83-216	U451	

E WALL TYPE E SERIES
1 1/2" = 1'-0"



F

MAXIMUM FIRE RESISTANCE: 0 HR

METAL STUD - 1 LAYER GYP. BOARD ONE SIDE

PARTITION TYPE	STUD SIZE	PARTITION WIDTH	STC RATING INSUL	STC RATING NO INSUL	SOUND TEST W/ INSUL	FIRE TEST	COMMENTS
F0	NONE	5/8"					
F1	1 5/8	2 1/4"					
F3	3 5/8"	4 1/4"					
F5	5 1/2"	6 1/8"					
F7	1 5/8	8 7/8"					ENCAPSULATES CELL DOOR, SEE DETAILS

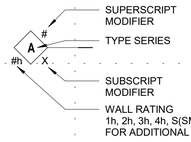
F WALL TYPE F SERIES
1 1/2" = 1'-0"

WALL TYPE NOTES:

THE FOLLOWING NOTES APPLY TO ALL WALL TYPES.

1. ALL STUD WIDTHS ARE INDICATED IN WALL TYPES, BUT COLD FORMED STEEL STUD WALLS ARE TO BE DESIGNED BY SUPPLIER (GAUGE AND SPACING). ALL WALLS ARE TO BE DESIGNED TO 5PSF LATERAL LOAD AND DEFLECTION CRITERIA OF L/240. DESIGN FOR 3/8"-1/2" OF MOVEMENT AT THE TOP OF THE WALL TYP.
2. WALL AND PARTITION STANDARDS SHOWN ARE CONSIDERED MINIMUM STANDARDS. WHERE CONDITIONS OF THE WORK EXCEED THE MANUFACTURER'S RECOMMENDED LIMITS, REINFORCE THE WALL OR PARTITION AS REQUIRED.
3. FOLLOW STRUCTURAL DETAILS, NOTES AND DRAWINGS FOR REINFORCING AND GROUTING IF THEY DIFFER FROM WHAT IS SHOWN IN THE WALL TYPE DETAILS.
4. WHERE A CLEAR DIMENSION IS NOTED OR REQUIRED, DIMENSION SHALL BE FROM FACE OF WALL FINISH.
5. WHERE PARTITIONS AND/ OR WALLS ALIGN WITH FURRING, POSITION FURRING TO MAINTAIN A FLUSH FINISH ALONG THE COPLANAR EDGES.
6. PROVIDE BLOCKING OR BACKER MATERIAL WITHIN WALL FOR ALL WALL MOUNTED EQUIPMENT SHOWN OR NOTED IN THE CONSTRUCTION DOCUMENTS.
7. PROVIDE WATER RESISTANT GYPSUM BOARD IN AREAS THAT SURROUND JANITORIAL SINKS AND AS REQUIRED BY CODE.
8. PROVIDE TILE BACKER BOARD IN AREAS SCHEDULED TO RECEIVE TILE FINISH.
9. SEE LIFE SAFETY PLANS FOR SMOKE AND FIRE RESISTANCE RATING REQUIREMENTS. RATINGS NOTED ON WALL TYPES ARE MAXIMUMS FOR THE ASSEMBLY AND MAY EXCEED THE ACTUAL FIRE RATINGS REQUIRED FOR THE PROJECT.
10. AT ACOUSTICALLY RATED WALLS PROVIDE ACOUSTIC SEALANT AT ALL PENETRATIONS AND SOUND BATT INSULATION IN THE CAVITY.
11. AT FIRE RATED WALLS/ PARTITIONS PROVIDE CAVITY INSULATION AS REQUIRED BY THE SCHEDULED FIRE TEST ASSEMBLY DESIGNATION.
12. AT FIRE RATED ASSEMBLIES PROVIDE TYPE 'X' GYPSUM BOARD.
13. ALL OPENINGS CUT, PENETRATIONS MADE, OR EQUIPMENT INSTALLED IN FIRE RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS, SHALL BE RESTORED, SEALED, FIRE-STOPPED OR OTHERWISE CONSTRUCTED OR REPAIRED TO MAINTAIN THE INTEGRITY OF THE FIRE RATING TO THE FULL SATISFACTION OF THE ARCHITECT, ENGINEER, AND BUILDING OFFICIAL. THE GENERAL CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR THIS WORK.
14. INSTALLED WALL ASSEMBLIES MUST COMPLY WITH THE TESTED ASSEMBLY NOTED FOR THAT WALL TYPE. ONLY PRODUCTS NOTED IN THE TESTED ASSEMBLY ARE ACCEPTABLE FOR USE. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO SHOW COMPLIANCE WITH THE ASSEMBLY NOTED, OR PROPOSE AN EQUIVALENT TESTED ASSEMBLY USING THE DESIRED MATERIALS, FOR THE ARCHITECT, ENGINEER, AND BUILDING OFFICIAL TO REVIEW AND APPROVE.
15. AT UNIT PARTITION WALLS, INSULATE THE BACKSIDE OF ALL RECEPTACLES.
16. AT UNIT SEPARATION WALLS, PROVIDE INTUMESCENT WRAP AROUND RECEPTACLES AND OTHER ELECTRICAL BOXES. COORDINATE WITH ELECTRICAL.
17. DO NOT INSTALL ELECTRICAL BOXES, PHONE BOXES, OR OTHER COMMUNICATION / DATA BOXES BACK-TO-BACK IN THE SAME STUD SPACE.
18. PROVIDE MANUFACTURER APPROVED TERMINATIONS, FLASHINGS, AND ACCESSORIES FOR WATERPROOFING SYSTEMS. SEE APPROPRIATE SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION.

WALL TAG:



PARTITION SUBSCRIPT KEY:



A - ACOUSTICALLY RATED - FILL WITH ACOUSTIC INSULATION

G - GROUT FILL

P - WOOD PANELLING OVER GYP BOARD ON TAG SIDE

42" - NUMBER INDICATES TOP OF WALL ABOVE FINISHED FLOOR

NO SUBSCRIPT - EXTEND ENTIRE PARTITION TO STRUCTURE ABOVE - NO ACOUSTICAL INSULATION

PARTITION SUPERSCRIPT NOTES:



1. ADD LAYER(S) OF GYP TO ALIGN WALL FINISH WITH ADJACENT WALL

2. ADHERE ONE LAYER 5/8" GYP BOARD TO TAG SIDE

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CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:

Typed or Printed Name: ANDREW MADSON

Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

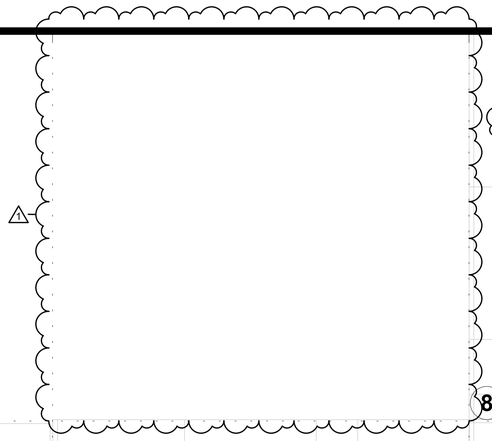
521 W. 2ND STREET
Duluth, MN 55802

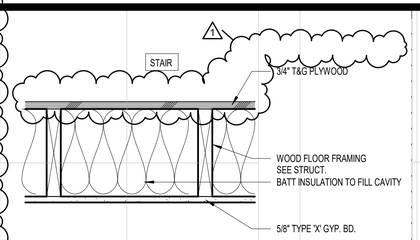
DRAWING TITLE:
WALL TYPES

DRAWN BY: ADM
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A5.00**

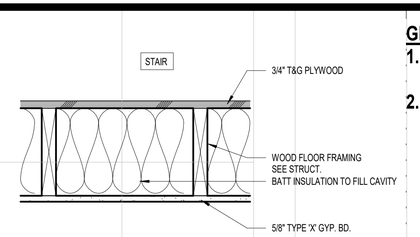
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RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1 HR	UL DESIGN NO. L501		-

8 STAIR LANDING @ FLOOR ELEVATIONS
1 1/2" = 1'-0"



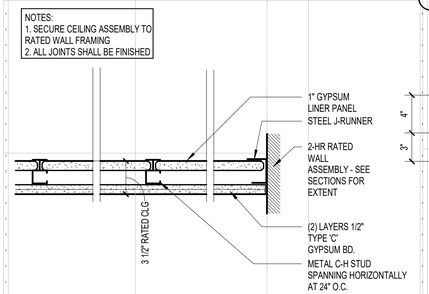
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
			-

4 STAIR LANDING @ INTERMEDIATE LANDINGS
1 1/2" = 1'-0"

GENERAL SHEET NOTES

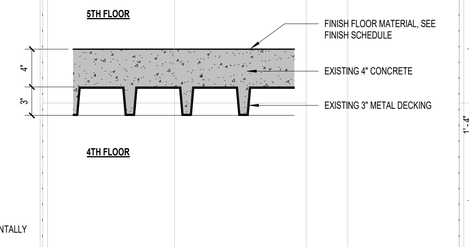
1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
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   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10



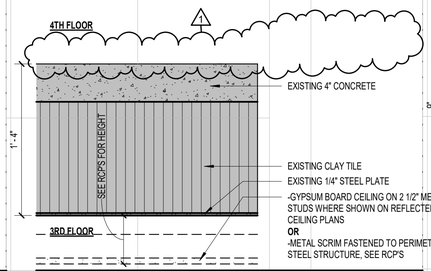
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
2 HR	NER-258	N/A	N/A

17 2HR RATED LINER PANEL CEILING
1 1/2" = 1'-0"



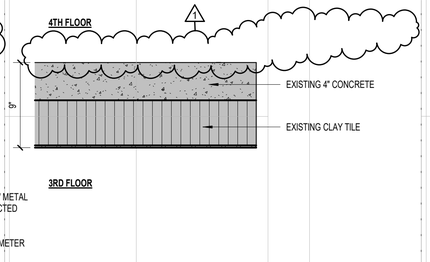
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	TABLE 722.2.2.1, SILICEOUS CONCRETE	-	-

13 CONCRETE OVER STEEL DECKING
1 1/2" = 1'-0"



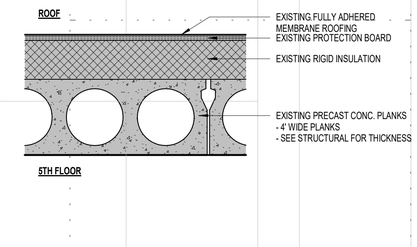
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, SILICEOUS CONCRETE	-	-

9 CONCRETE OVER CLAY TILE - 4TH FLOOR, 16"
1 1/2" = 1'-0"



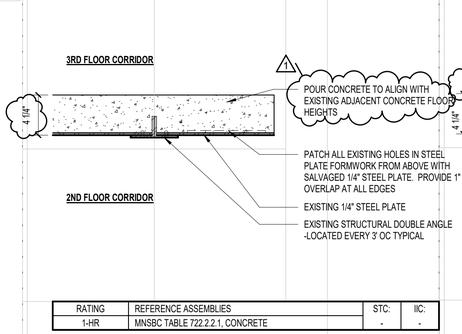
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, SILICEOUS CONCRETE	-	-

5 CONCRETE OVER CLAY TILE - 4TH FLOOR, 9"
1 1/2" = 1'-0"



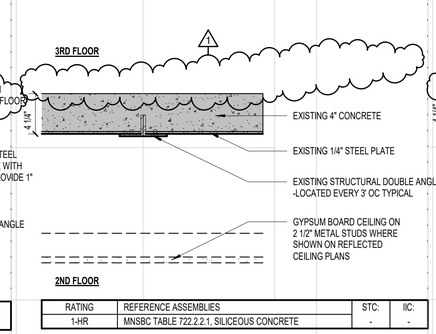
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1.1	-	-

1 PRECAST PLANK - ROOF
1 1/2" = 1'-0"



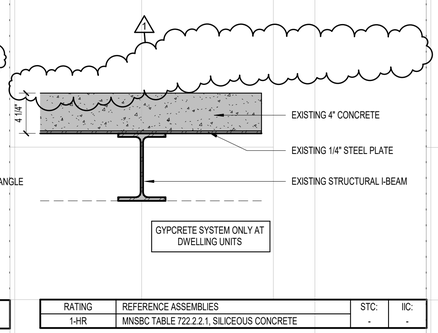
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, CONCRETE	-	-

15 CONCRETE OVER CONCRETE BEAMS 12" HISTORIC LOBBY
1 1/2" = 1'-0"



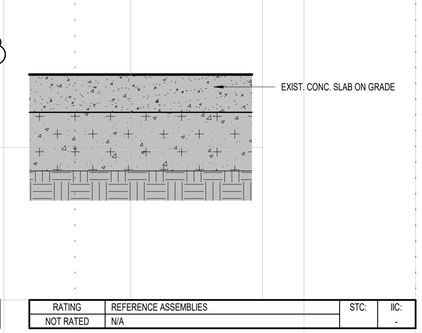
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, SILICEOUS CONCRETE	-	-

11 CONCRETE OVER CONCRETE BEAMS 12"
1 1/2" = 1'-0"



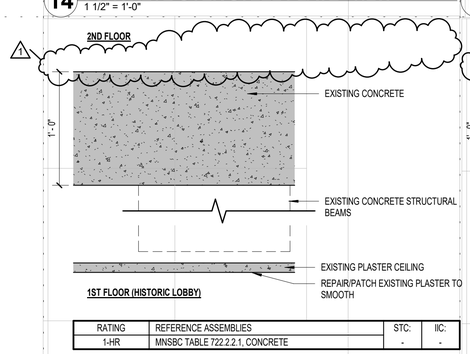
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, SILICEOUS CONCRETE	-	-

7 CONCRETE OVER CONCRETE BEAMS 10"
1 1/2" = 1'-0"



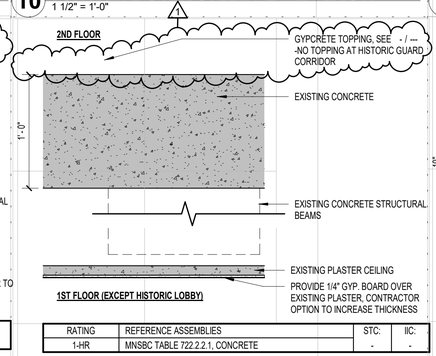
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
NOT RATED	N/A		-

3 SLAB ON GRADE -RAMP INFILL
1 1/2" = 1'-0"



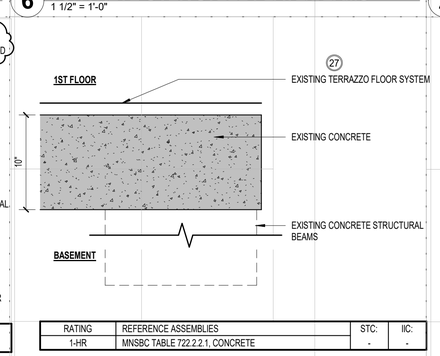
RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, CONCRETE	-	-

14 CONCRETE OVER STEEL PLATE - NEW
1 1/2" = 1'-0"



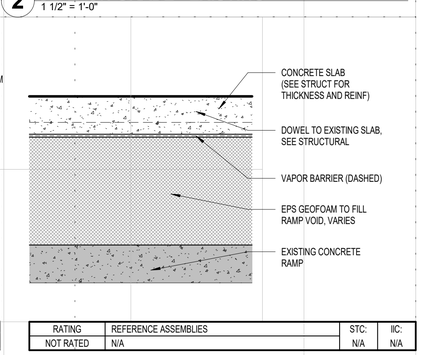
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1-HR	MNSBC TABLE 722.2.2.1, CONCRETE	-	-

10 CONCRETE OVER STEEL PLATE - EXIST.
1 1/2" = 1'-0"



RATING	REFERENCE ASSEMBLIES	STC:	IIC:
1-HR	MNSBC TABLE 722.2.2.1, CONCRETE	-	-

6 CONCRETE OVER STEEL PLATE/BEAMS
1 1/2" = 1'-0"



RATING	REFERENCE ASSEMBLIES	STC:	IIC:
NOT RATED	N/A	N/A	N/A

2 SLAB ON GRADE - EXISTING
1 1/2" = 1'-0"

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New Burnham, LLC

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NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
FLOOR/CEILING ASSEMBLIES

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A5.01**

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
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DOOR AND FRAME SCHEDULE - COMMON AREAS

DOOR NUMBER	DOOR					FRAME		DETAIL			GLAZING	FIRE RATING (MINUTES)	HDWR GROUP	COMMENTS	LAST REVISED
	LEAF QTY	WIDTH	HEIGHT	MATL	TYPE	MATL	TYPE	HEAD	JAMB	SILL					
LOWER BASEMENT															
0EA	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
006	1	3' - 0"	6' - 8"	HM	D11	KD	F10	13/A5.21	13/A5.21	-		0	20		
SB0A	1	3' - 0"	6' - 8"	HM	D10	KD	F10	13/A5.21	13/A5.21	-		45	07		
UPPER BASEMENT															
001A	1	3' - 0"	6' - 8"	HM	D11	DW	F10	5/A5.21	5/A5.21	-		0	05		
001B	1	3' - 0"	6' - 8"	HM	D11	DW	F10	5/A5.21	5/A5.21			0	08		
002A	1	3' - 0"	6' - 8"	HM	D11	DW	F10	5/A5.21	5/A5.21			0	05		
002B	1	3' - 0"	6' - 8"	HM	D11	DW	F10	5/A5.21	5/A5.21			0	05		
003	1	3' - 0"	6' - 8"	HM	D10	DW	F10	5/A5.21	5/A5.21			0	23		
004	1	3' - 0"	6' - 8"	HM	D10	DW	F10	5/A5.21	5/A5.21			0	27		
005	1	3' - 0"	6' - 8"	HM	D10	KD	F10	13/A5.21	13/A5.21				21		
008	1	3' - 0"	6' - 8"	HM	D10	KD	F10	13/A5.21	13/A5.21			90	26		
SA0	1	3' - 0"	6' - 8"	HM	D11	WHM	F11	11/A5.21	11/A5.21			90	28		
GARAGE															
0EB	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
009A	2	8' - 0"	7' - 4"	AL		AL	F11					0	03	SEE A5.30	
009B	1	3' - 0"	6' - 8"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	10		
FIRST FLOOR															
1EA	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
100A	1	3' - 0"	7' - 0"	AL	D10	AL	F10					0	01		
100B	1	3' - 0"	6' - 8"	HM	D13	WHM	F10					0	11		
115A	1	3' - 0"	7' - 0"		D10		F10								
115B	1	3' - 6"	7' - 0"		D10		F10								
E103	1	3' - 0"	7' - 0"	WD	D16		F12	6&10/A5.21	20/A5.21			-	15	SEE ADDITIONAL HISTORIC DOOR INFORMATION	
E104	1	3' - 0"	7' - 0"	WD	D16		F12	6&10/A5.21	20/A5.21			-	15	SEE ADDITIONAL HISTORIC DOOR INFORMATION	
E105	1	3' - 0"	7' - 0"	WD	D16		F12	6&10/A5.21	20/A5.21			-	15	SEE ADDITIONAL HISTORIC DOOR INFORMATION	
E106	1	3' - 0"	7' - 0"	WD	D16		F12	6&10/A5.21	20/A5.21			-	15	SEE ADDITIONAL HISTORIC DOOR INFORMATION	
E108	1	3' - 0"	7' - 0"	WD	D16		F12	6&10/A5.21	20/A5.21			-	15	SEE ADDITIONAL HISTORIC DOOR INFORMATION	
E109	1	3' - 0"	7' - 0"	WD	D10		F10					-	15	SEE ADDITIONAL HISTORIC DOOR INFORMATION	
E116	2	4' - 2"	7' - 2"	MTL			F11						01	EXIST. HISTORIC RIOT DOORS	
SA1A	1	3' - 0"	7' - 0"	HM	D14	WHM	F10					90	07	D-H-T-90 PER MNSBC TABLE 716.5, note c, 716.2	
SA1B	1	3' - 0"	7' - 0"	AL	D15	AL	F10					-	02		
SA1C	1	3' - 0"	7' - 0"	HM	D12	WHM	F10					-			
WARDEN'S ROOM															
1EB	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
SECOND FLOOR															
2E	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
209	1	3' - 0"	6' - 8"	HM	D10	DW	F10	7/A5.21	7/A5.21			45	24		
E210	1	2' - 0"	6' - 8"		D10		F10								
SA2A	1	3' - 0"	6' - 8"	HM	D11	WHM	F11	11/A5.21	11/A5.21			90	25		
SA2B	1	3' - 0"	6' - 8"	HM	D12	WHM	F10					-			
THIRD FLOOR															
3E	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
309	1	3' - 0"	6' - 8"		D10		F10	7/A5.21	7/A5.21				24		
SA3	1	3' - 0"	6' - 8"	HM	D10	WHM	F11	11/A5.21	11/A5.21			90	25		
FOURTH FLOOR															
4E	1	3' - 6"	7' - 10"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	06	MHO	
409	1	3' - 0"	6' - 8"	HM	D10	DW	F10					45	26		
SA4	1	3' - 0"	8' - 0 1/2"	HM	D10	WHM	F10	11/A5.21	11/A5.21			90	25		
FIFTH FLOOR															
503	1	3' - 0"	7' - 0"	HM	D10	KD	F10	13/A5.21	13/A5.21			45	26		
E500B	1	3' - 0"	7' - 0"		D10		F10						09		
E501	1	3' - 0"	7' - 0"		D10		F10								
E502	1	3' - 0"	7' - 0"		D10		F10						09		
ESB5A	1	3' - 0"	7' - 0"		D10		F10						22		
ESB5B	1	3' - 0"	7' - 0"		D10		F10						22		
PENTHOUSE FLOOR															
600	1	3' - 0"	7' - 0"		D10		F10						04		

***ADDITIONAL INFORMATION FOR HISTORIC DOORS - SLC Jail 1st floor Doors**

E103 (unit entry)
Frame: move to be unit entry frame for unit 103
Door: 36" x 84"x 1 ¾", missing, provide new door to match door E105
Transom**: YES

E104 (unit entry)
Frame: move to be unit entry frame for unit 104
Door: 36" x 84" 1 ¾", missing, provide new door to match door E105
Transom**: YES

E105 (unit entry)
Frame: to remain
Door: 36" x 84" 1 ¾"
Transom**: Missing, install transom from E108 opening

E106 (unit entry)
Frame: move to be unit entry frame for unit 106
Door: 36" x 84" 1 ½", install in frame E109 (provide pic), provide new door to match door E105
Transom**: Missing, provide new transom to match others

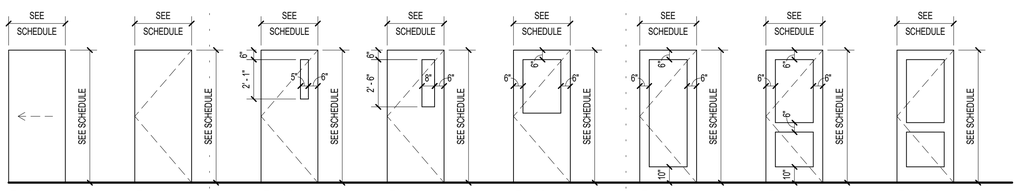
E108 (interior opening in unit)
Frame: to remain
Door: 36" x 84" 1 ¾", Missing, do not install new door
Transom**: YES, remove and install at opening E105

E109 (toilet room)
Frame: to remain
Door: 36" x 84" 1 ¾", to be demo'd, use door from opening E106
Transom**: YES

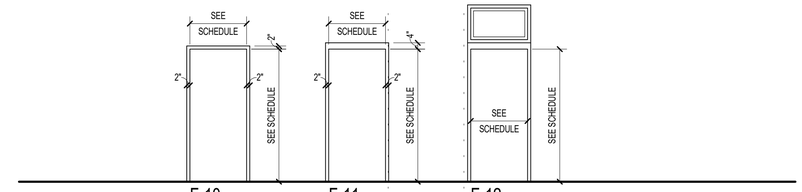
**All transom units are 36" wide x 22" tall

DOOR AND FRAME SCHEDULE - UNITS

ID Type Mark	DOOR					FRAME		DETAIL			GLAZING	FIRE RATING (MINUTES)	HDWR GROUP	COMMENTS	LAST REVISED
	LEAF QTY	WIDTH	HEIGHT	MATL	TYPE	MATL	TYPE	HEAD	JAMB	SILL					
U01	1	3' - 0"	6' - 8"	CH	D-10	-	-		1/A5.20, 4/A5.20	-			-	TENANTS TO PROVIDE LOCKS	ADD 1
U10	1	3' - 0"	7' - 0"	HB	D-10	DW	F-10	7/A5.20	7/A5.20	14/A5.20		45	15		
U12	1	3' - 0"	8' - 2"	HB	D-10	WHM	F-10	11/A5.20	11/A5.20	-		45	15		ADD 1
U20	1	2' - 10"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			16		
U21	1	3' - 0"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			16		
U22	1	2' - 6"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			16		
U30	1	2' - 10"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			16		
U31	1	3' - 0"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			16		
U41	1	2' - 0"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			17		
U43	1	2' - 6"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			17		
U44	1	2' - 8"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			17		
U45	1	2' - 10"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			17		
U51	2	3' - 6"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			14		
U52	2	4' - 0"	6' - 8"	HC	D-10	DW	F-10	5/A5.20	5/A5.20	-			14		
U90	1	3' - 2"	6' - 8"	HB	D-09	-	-	17/A5.20	18/A5.20	-			13		



2 Door Types
1/4" = 1'-0"



1 Frame Types
1/4" = 1'-0"

GENERAL DOOR SCHEDULE ABBREVIATIONS:

AL	Aluminum
CH	Cramlink
CL	Closet
DW	Drywall (3 piece frame w/ snap-on trim)
F	FOB Access
HB	Hard Board
HC	Hollow Core (Door)
HM	Hollow Metal
KD	Knock Down (3 piece frame w/ integral trim)
MHO	Magnetic Hold Open
NO-DO	No Door Operator
OH-INS	Overhead Insulated (Door)
SM	Smoke Gasketing
VP	View Panel
WD	Wood
WHM	Welded Hollow Metal (Frame)

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1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

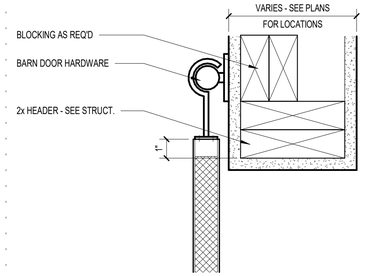
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DOOR SCHEDULE and FRAME TYPES

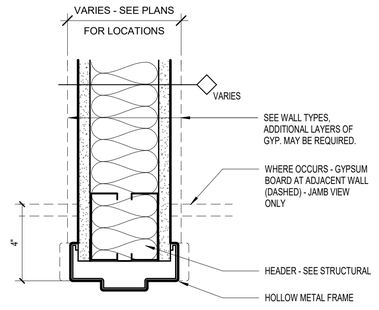
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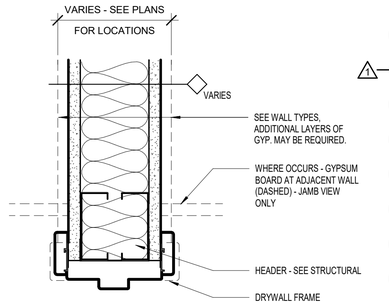
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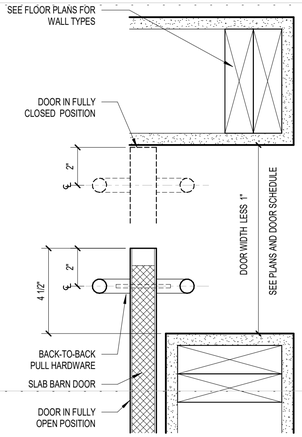
17 BARN DOOR HEAD
3" = 1'-0"



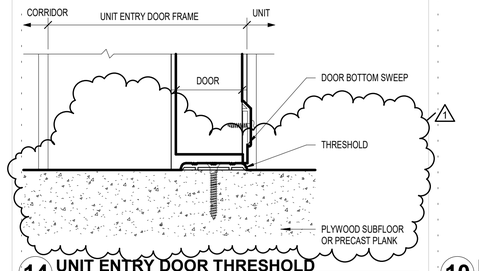
13 H.M. FRAME HEAD, MS (JAMB SIM)
3" = 1'-0"



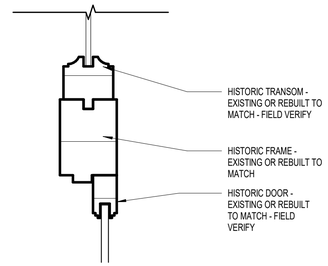
5 DRYWALL FRAME HEAD, MS (JAMB SIM)
3" = 1'-0"



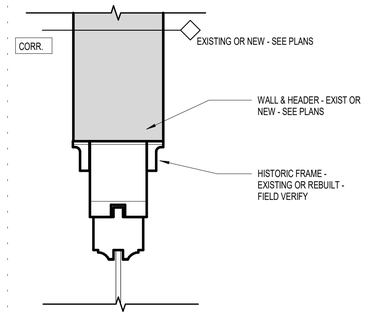
18 BARN DOOR JAMB DETAIL
3" = 1'-0"



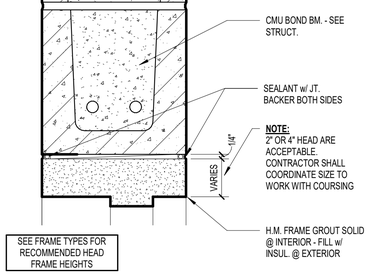
14 UNIT ENTRY DOOR THRESHOLD
6" = 1'-0"



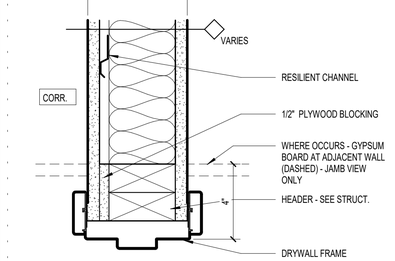
10 HISTORIC DOOR/TRANSOM MEETING RAIL
3" = 1'-0"



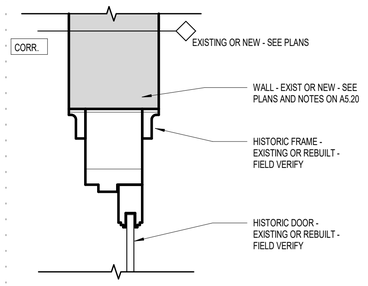
6 HISTORIC TRANSOM FRAME HEAD (JAMB SIM)
3" = 1'-0"



11 HM HEAD (JAMB SIM) - CMU1
3" = 1'-0"



7 DRYWALL FRAME HEAD W/ RC (JAMB SIM)
3" = 1'-0"



20 HISTORIC DOOR JAMB
3" = 1'-0"

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	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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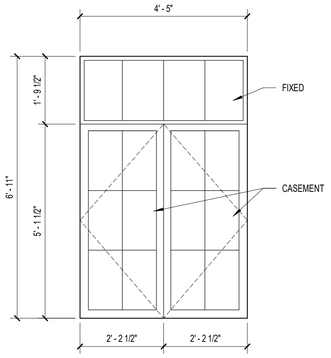
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Duluth, MN 55802

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DOOR DETAILS

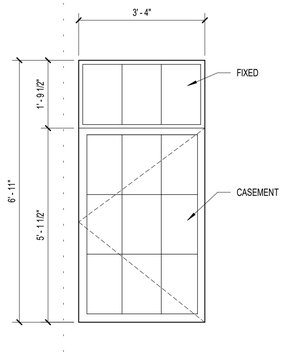
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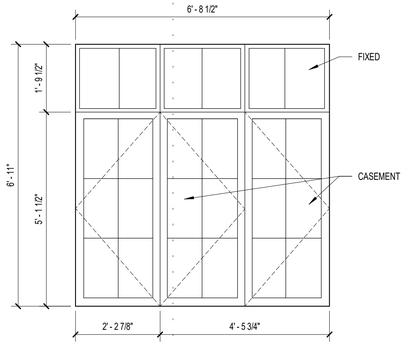
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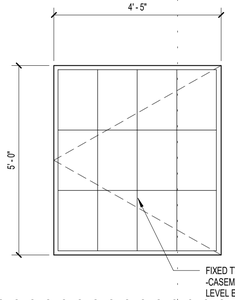
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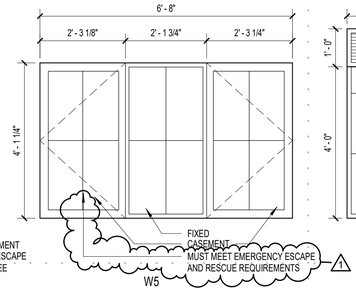
W2



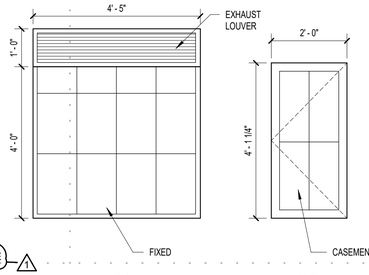
W3



W4



W5

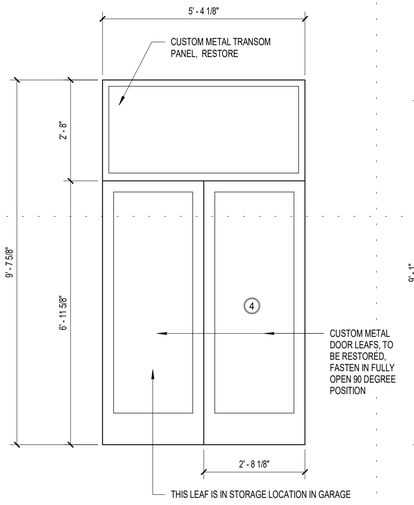


W6 W7

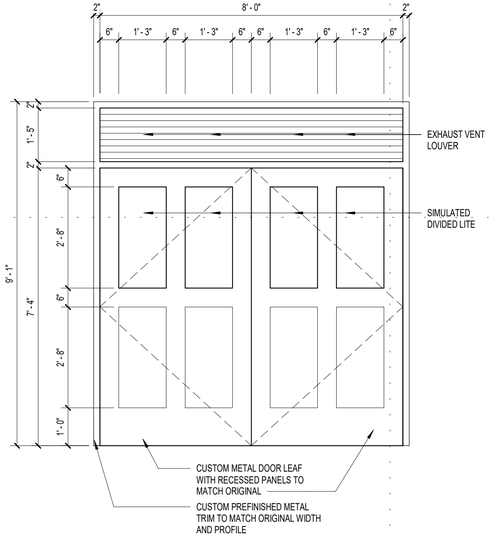
1 WINDOW TYPES
1/2" = 1'-0"

NOTES:
-MUNTIN BARS ARE 3/4", SIMULATED DIVIDED LIGHTS WITH SPACER
-WOCD FALL-PREVENTION DEVICES SHALL BE INSTALLED AT THE INTERIOR SIDE OF THE WINDOWS AT ALL LOCATIONS WHERE GRADE IS > 72" BELOW THE LOWEST PART OF THE OPENING OF AN OPERABLE WINDOW (IBC 1013.8). (3)
* ALL DIMENSIONS TO BE FIELD VERIFIED.

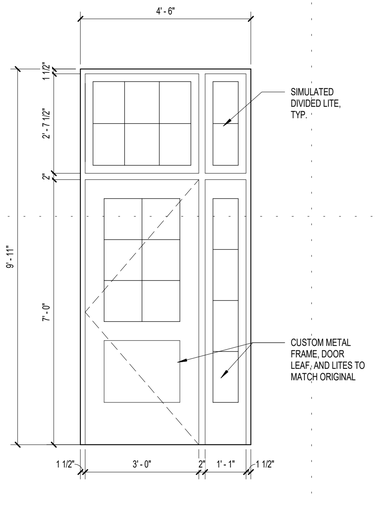
(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10



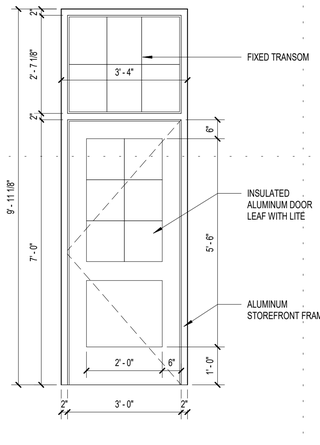
D1 - ,MAIN ENTRY RIOT DOORS



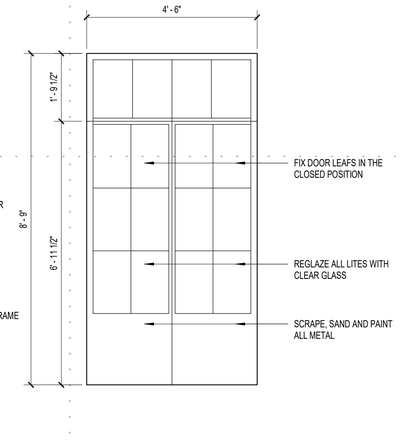
D2 - GARAGE DOOR



D3 - NORTH DOOR

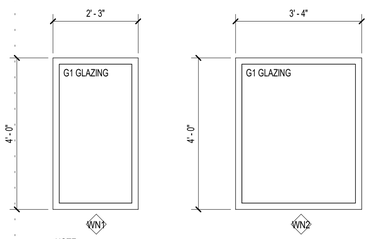


D4 - WEST DOOR



D5 - EXISTING DOOR

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



NOTE:
-CONTRACTOR IS TO VERIFY DIMENSIONS OF EXISTING OPENINGS
-GLAZING DOES NOT NEED TO BE FIRE RATED AS FIFTH FLOOR CORRIDOR IS NOT REQUIRED TO BE RATED PER IBC TABLE 1018.1

WINDOW FRAMES - INTERIOR
1/2" = 1'-0"

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	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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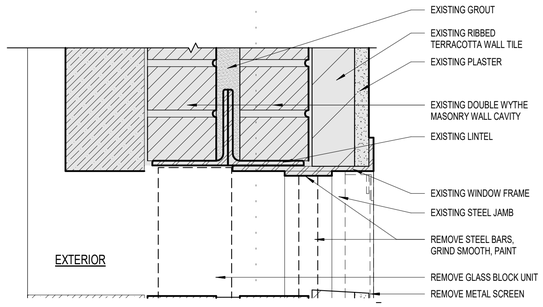
PROJECT NAME:
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Duluth, MN 55802

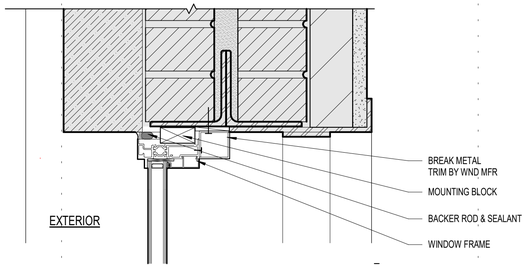
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WINDOW AND DOOR TYPES

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

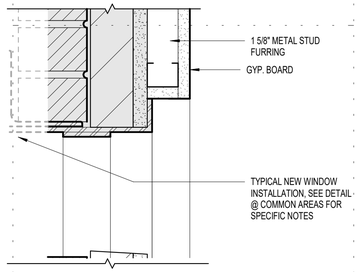
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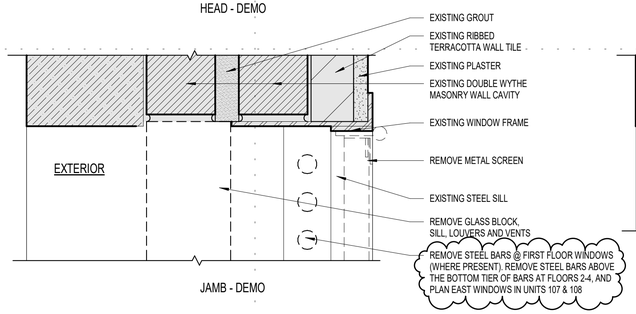
HEAD - DEMO



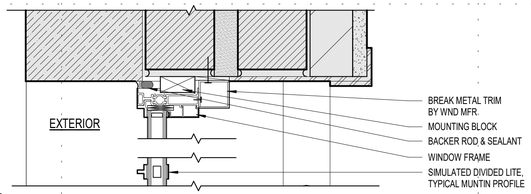
HEAD - NEW @ COMMON AREAS



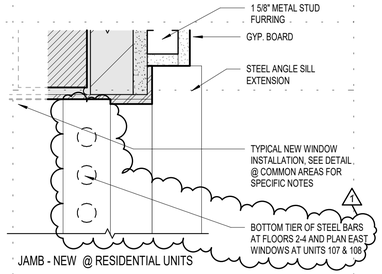
HEAD - NEW @ RESIDENTIAL UNITS



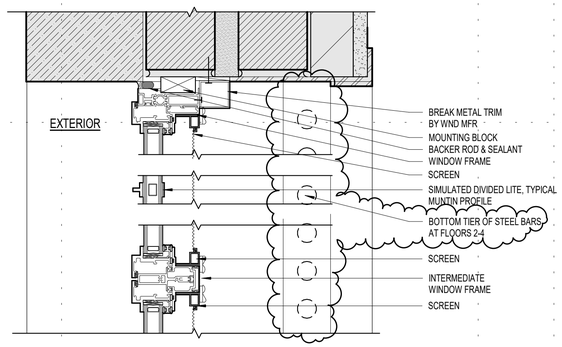
JAMB - DEMO



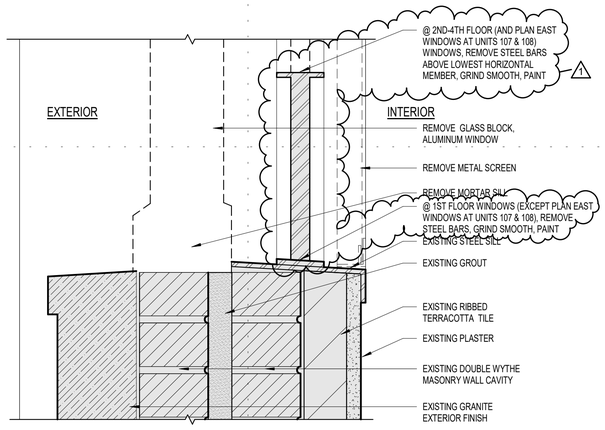
JAMB - NEW @ COMMON AREAS
-FIXED TRANSOMS



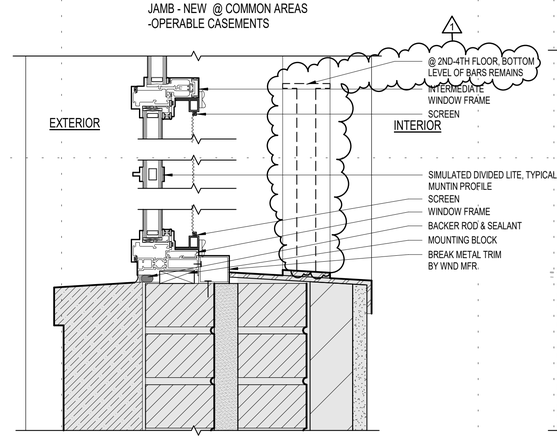
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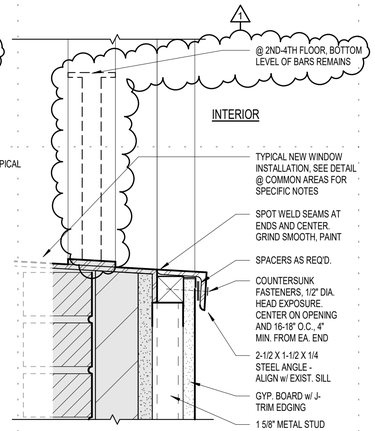
JAMB - NEW @ COMMON AREAS
-OPERABLE CASEMENTS



SILL - DEMO



SILL - NEW @ COMMON AREAS



SILL - NEW @ RESIDENTIAL UNITS

1 WINDOW DETAILS
3" = 1'-0"

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Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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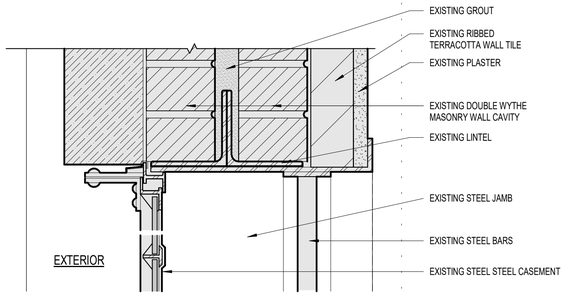
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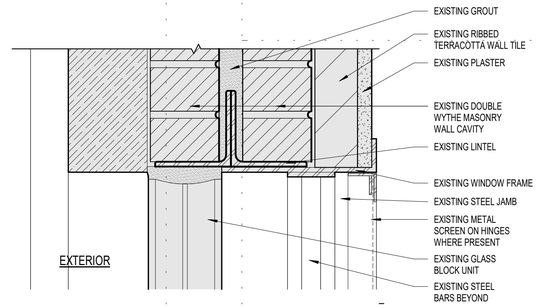
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WINDOW DETAILS

DRAWN BY: AUTHOR
CHECKED BY:CHECKER
PROJ. NO: 180039

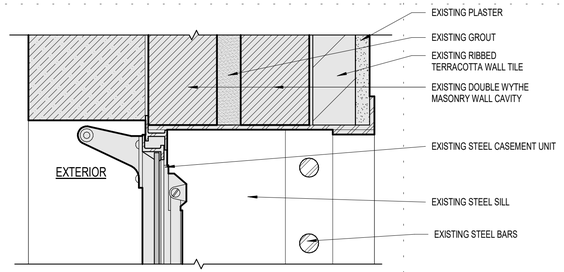
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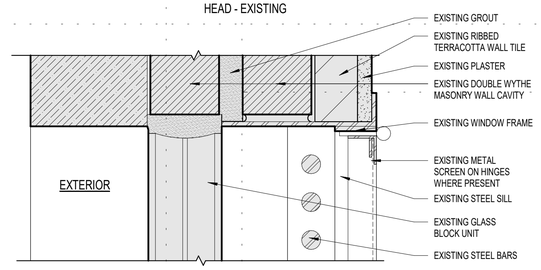
HEAD - EXISTING STEEL CASEMENT AT BASEMENT AREA WELL



HEAD - EXISTING

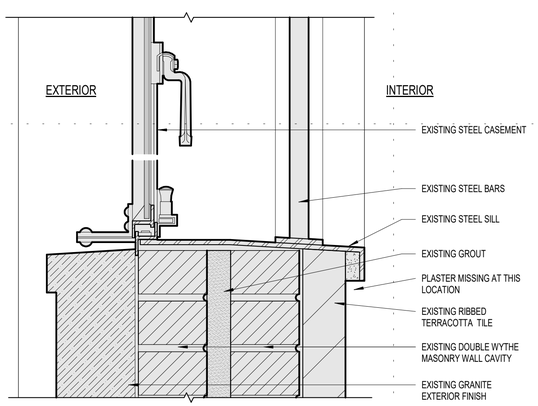


JAMB - EXISTING STEEL CASEMENT AT BASEMENT AREA WELL

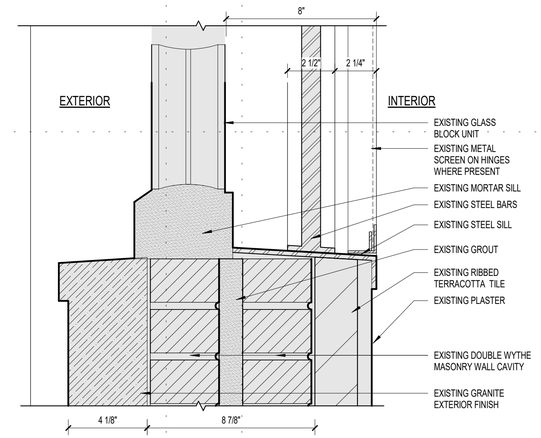


JAMB - EXISTING

NO WORK DESCRIBED ON THIS PAGE. DRAWINGS FOR REFERENCE ONLY.



SILL - EXISTING STEEL CASEMENT AT BASEMENT AREA WELL



SILL - EXISTING

1 EXISTING WINDOW DETAILS
3" = 1'-0"

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Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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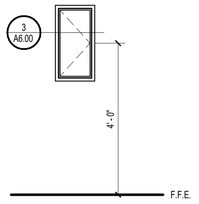
PROJECT NAME:
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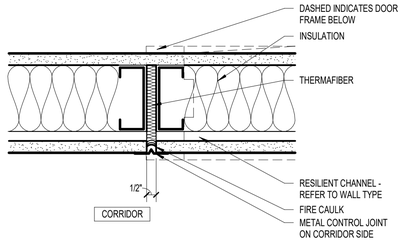
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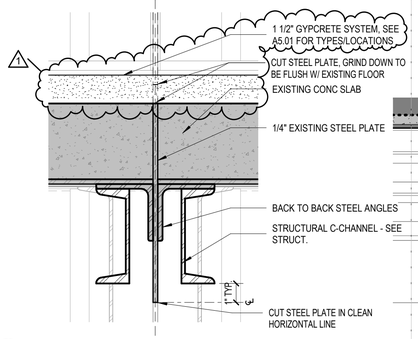
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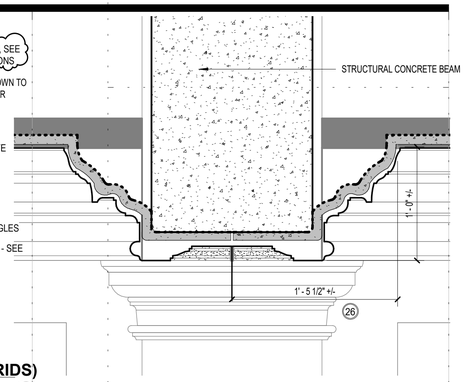
13 FIRE EXT. CABINET ELEVATION
1/2" = 1'-0"



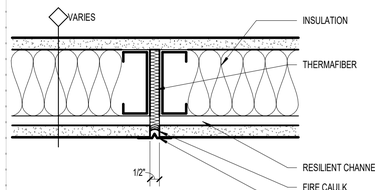
9 CONTROL JOINT IN MTL STUD WALL @ DOOR
3" = 1'-0"



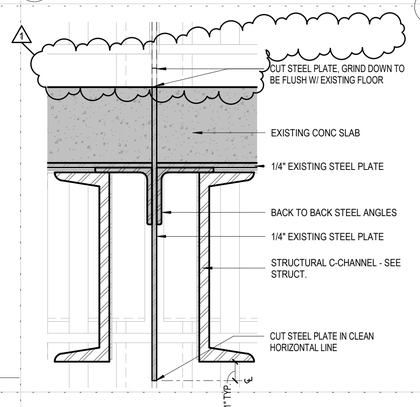
5 PLATE CUTTING AT CEILING DETAIL (X.1 GRIDS)
3" = 1'-0"



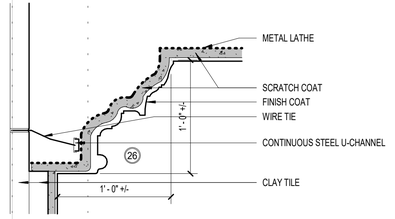
1 BEAM MOLDING REPAIR
1 1/2" = 1'-0"



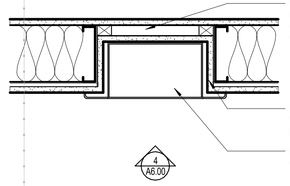
10 CONTROL JOINT MTL STUD WALL
3" = 1'-0"



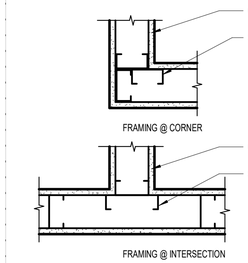
6 PLATE CUTTING AT CEILING DETAIL (X GRIDS)
3" = 1'-0"



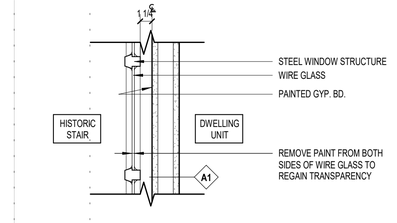
2 CROWN MOLDING REPAIR
1 1/2" = 1'-0"



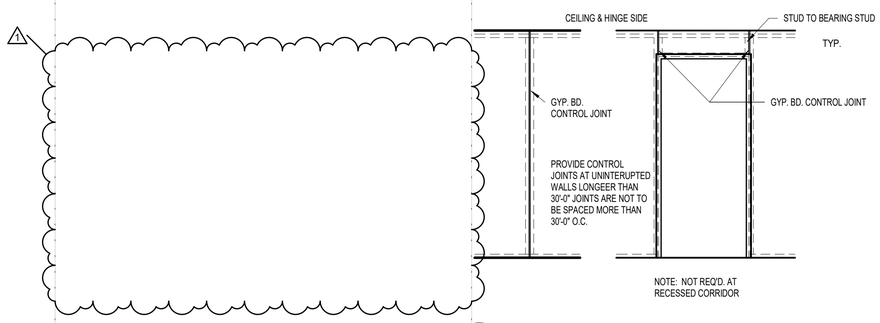
11 F.E. CABINET IN MTL STUD WALL
1 1/2" = 1'-0"



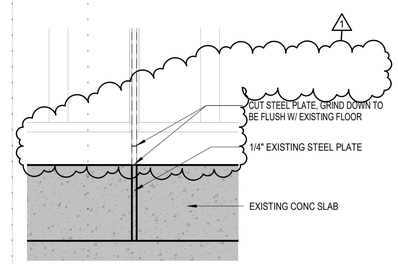
7 FRAMING DETAILS - METAL
1 1/2" = 1'-0"



3 WIRE GLASS W/ BACK-UP WALL
1 1/2" = 1'-0"



8 CONTROL JOINT @ WALL/DOOR
3/8" = 1'-0"



4 PLATE GRINDING AT FLOOR DETAIL
3" = 1'-0"

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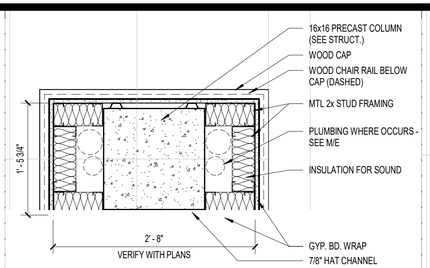
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Duluth, MN 55802

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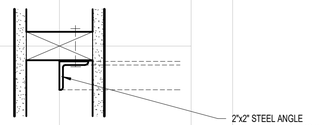
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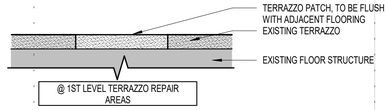
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9 COLUMN WRAP
1" = 1'-0"

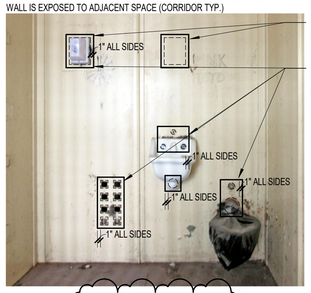


5 ANGLE SUPPORT DETAIL1
3" = 1'-0"

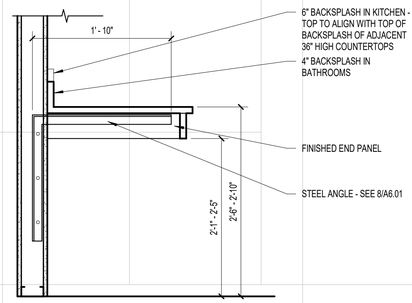


1 TERRAZZO PATCH/REPAIR
1 1/2" = 1'-0"

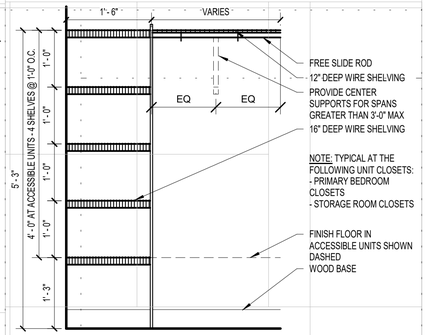
TYPICAL ELEVATION OF NON-DEMOLISHED BACK WALL OF CELL WHERE WALL IS EXPOSED TO ADJACENT SPACE (CORRIDOR TYP.)



10 PENETRATION FINISHING @ STL PLATE WALLS
1/2" = 1'-0"



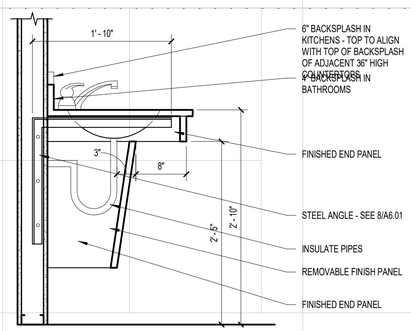
6 ADA COUNTER / WORK SURFACE SECTION
1" = 1'-0"



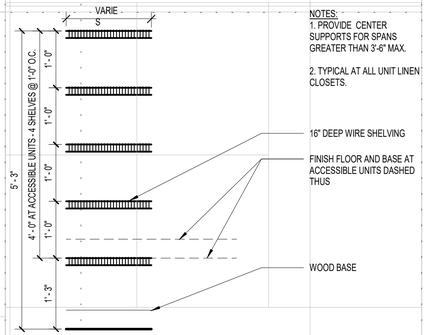
2 ROD AND SHELF WITH LINEN SHELVING
3/4" = 1'-0"



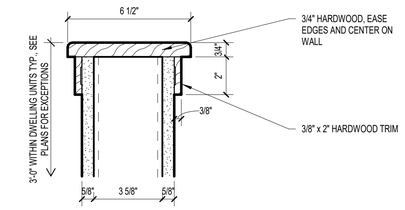
11 CONC. PLANK @ NON-BRG. CMU WALL
1 1/2" = 1'-0"



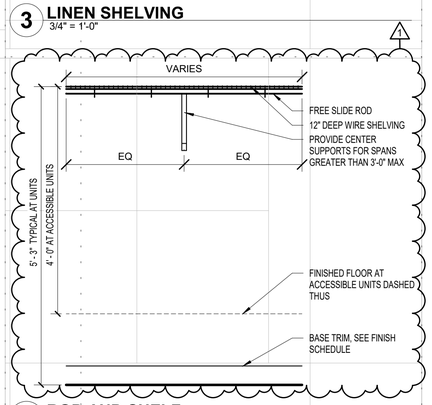
7 ADA KITCHEN SINK / LAV. SECTION
1" = 1'-0"



3 LINEN SHELVING
3/4" = 1'-0"



8 LOW WALL CAP
3" = 1'-0"



4 ROD AND SHELF
3/4" = 1'-0"

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CLIENT:
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575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

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NO	DATE	REVISION
1	7/12/2021	ADDENDUM 1

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Signature:
Typed or Printed Name: ANDREW MADSON
Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
INTERIOR DETAILS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

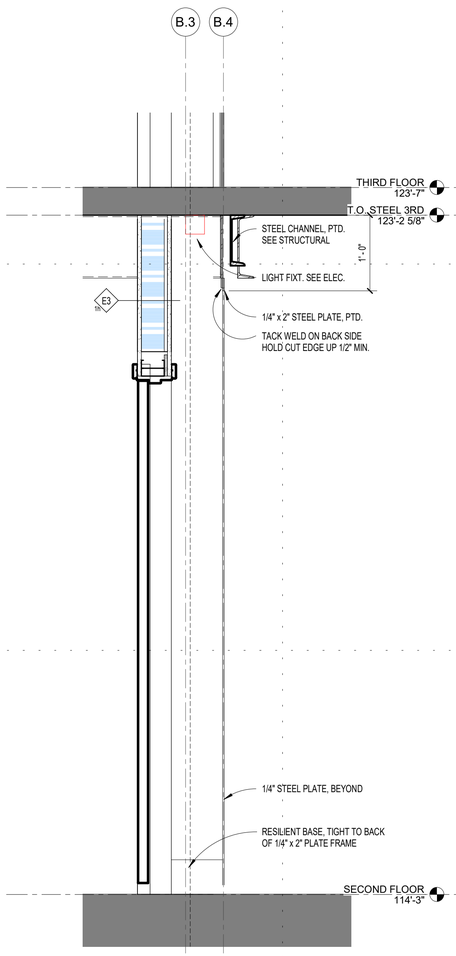
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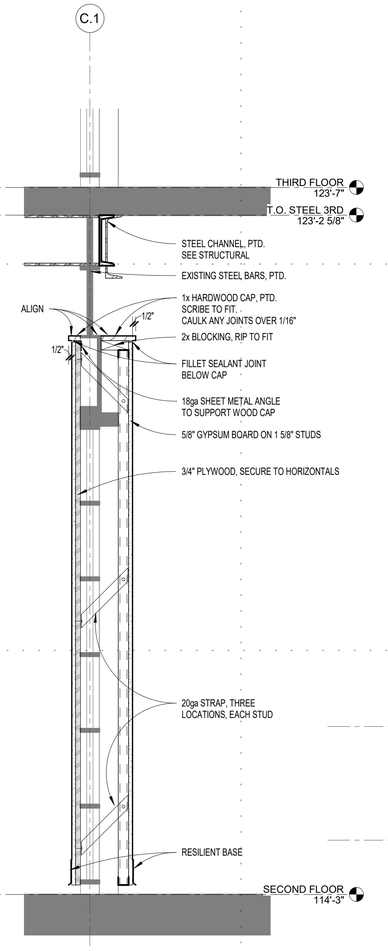
GENERAL SHEET NOTES

1. SEE G0.01, G0.02, AND G0.03 FOR CODE INFORMATION.
2. SEE G0.10 FOR PROJECT NOTES INCLUDING:
   - GENERAL BUILDING PLAN NOTES
   - HISTORIC APPROVAL INFORMATION
   - GENERAL UNIT PLAN NOTES
   - GENERAL KITCHEN NOTES
   - GENERAL BATHROOM NOTES
   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

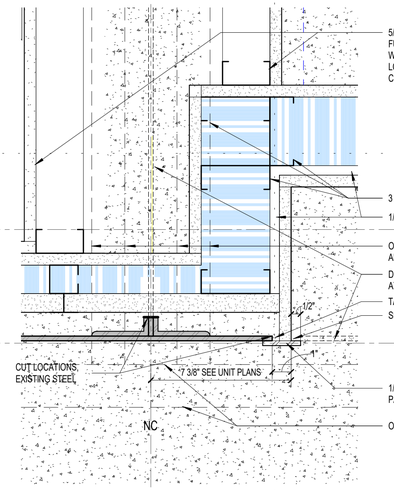
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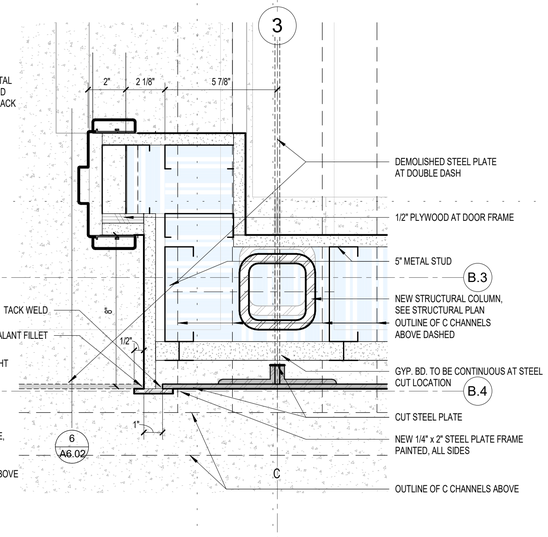
6 SECTION AT UNIT ENTRY
1" = 1'-0"



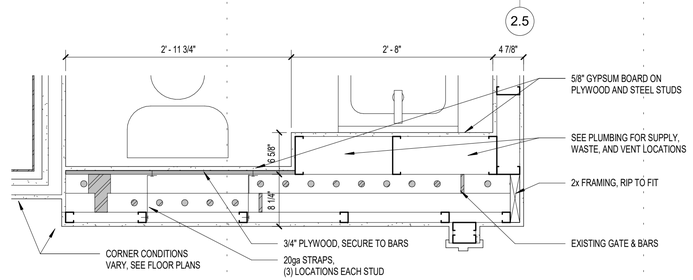
5 SECTION AT LIVING ROOM
1" = 1'-0"



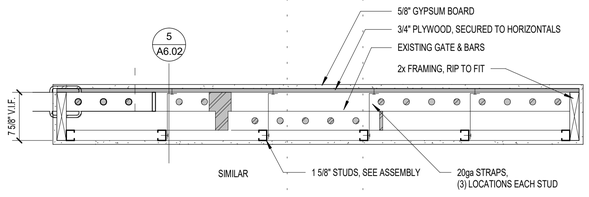
4 RECESSED UNIT ENTRY PLAN DETAIL NO COLUMN
3" = 1'-0"



3 RECESSED UNIT ENTRY PLAN DETAIL @ COLUMN
3" = 1'-0"



2 WALL DETAIL AT ENCAPSULATED BARS - BATHROOM
1" = 1'-0"



1 WALL DETAIL AT ENCAPSULATED CELL BARS
1" = 1'-0"

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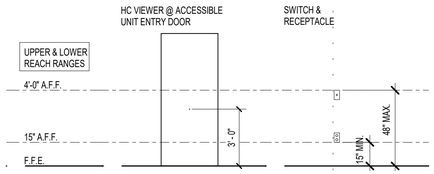
DRAWING TITLE:
INTERIOR DETAILS

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

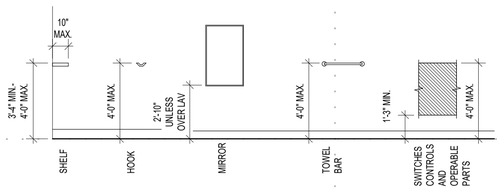
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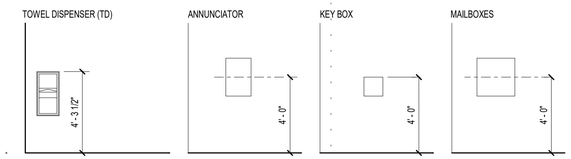
MOUNTING HEIGHTS FOR ACCESSIBLE (ACC) ACCESSORIES



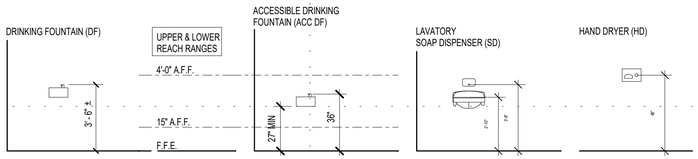
MOUNTING HEIGHTS FOR ACCESSIBLE (ACC) ACCESSORIES



MOUNTING HEIGHTS FOR EQUIPMENT

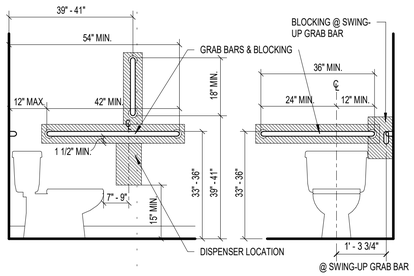


MOUNTING HEIGHTS FOR TYPICAL FIXTURES & ACCESSORIES



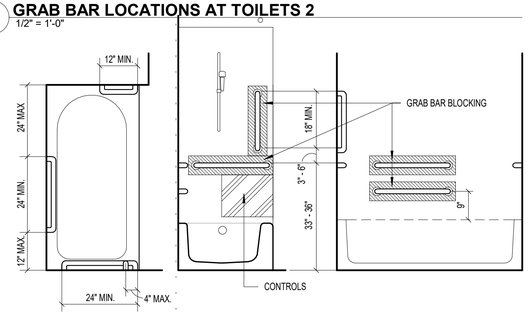
4 STANDARD MOUNTING HEIGHTS FOR ACCESSORIES 2

1/4" = 1'-0"



3 GRAB BAR LOCATIONS AT TOILETS 2

1/2" = 1'-0"



2 GRAB BAR LOCATIONS AT TUBS

1/2" = 1'-0"

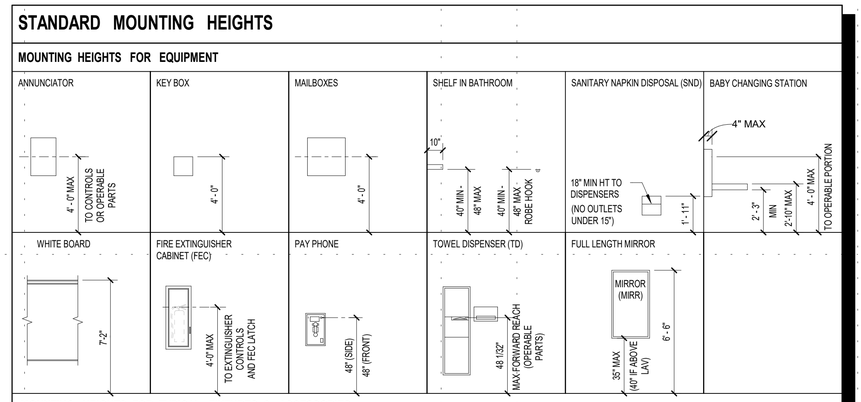
GENERAL SHEET NOTES

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   - GENERAL ELEVATOR NOTES
   - INTERIOR DETAIL NOTES
   - GENERAL PUBLIC STAIR NOTES
   - GENERAL CUTTING AND PATCHING NOTES
3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

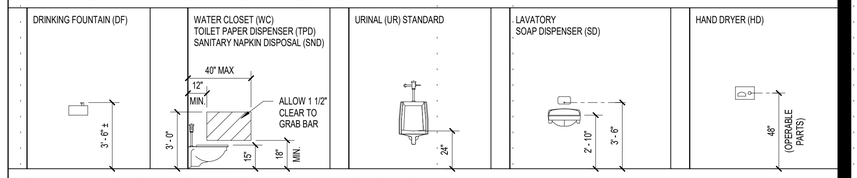
(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10

STANDARD MOUNTING HEIGHTS

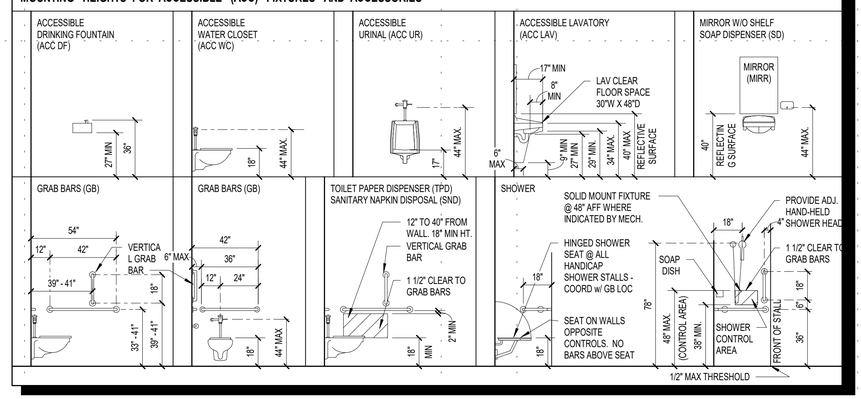
MOUNTING HEIGHTS FOR EQUIPMENT



MOUNTING HEIGHTS FOR TYPICAL FIXTURES & ACCESSORIES



MOUNTING HEIGHTS FOR ACCESSIBLE (ACC) FIXTURES AND ACCESSORIES



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Duluth, MN 55802

DRAWING TITLE:
INTERIOR DETAILS - STANDARD MOUNTING HEIGHTS

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

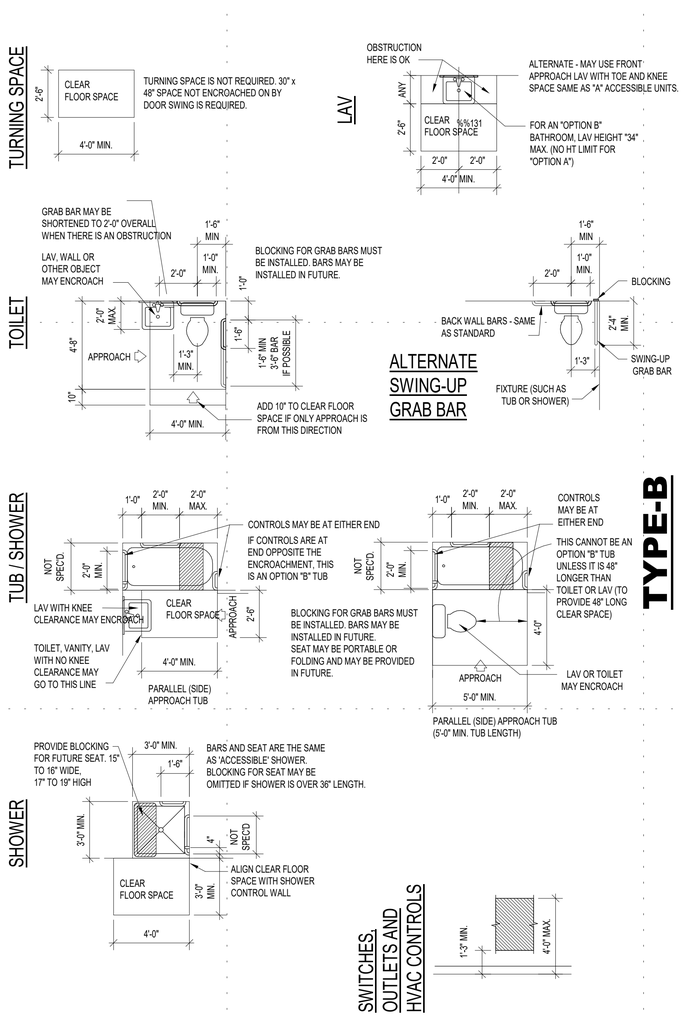
DRAWING NO: **A6.03**

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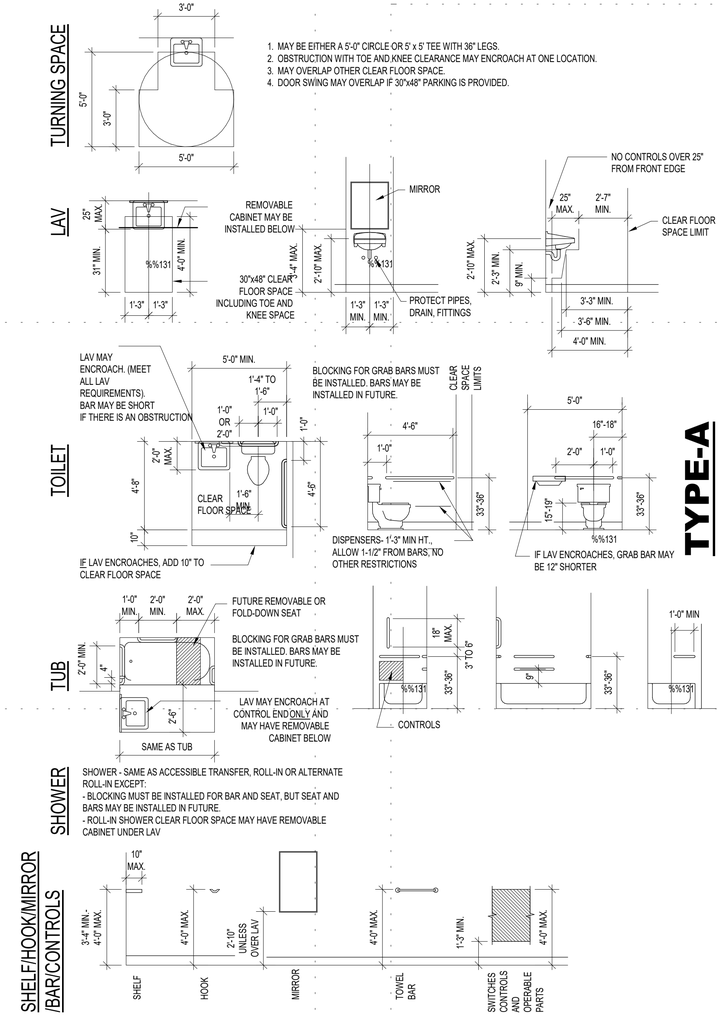
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3. SEE A6.03 FOR TYPICAL MOUNTING HEIGHTS.

(#) ITEM # REFERENCE IN HISTORIC REPORT, SEE HISTORIC APPROVAL SECTION ON SHEET G0.10



2 **ACCESSIBLE TYPE B1**
1/4" = 1'-0"



1 **ACCESSIBLE TYPE A1**
1/4" = 1'-0"

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Duluth, MN 55802

DRAWING TITLE:
Standards for Type-A and Type-B Units

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A6.06**

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GENERAL FINISH ABBREVIATIONS:

BLIND-H	Horizontal Blind
BLIND-V	Vertical Blind
CONC	Concrete
CMU	Concrete Masonry Units
CPT #	Carpet & Type
CT #	Ceramic Tile & Type
FRP	Fiber Reinforced Panel
GB	Gypsum Board (Fire-Taped)
GB-PT	Gypsum board - Painted
LIN	Linoleum
MD	Metal Decking
MP	Metal Plate
PC	Precast Concrete Plank
PL	Plaster
PT #	Paint & Type
RTR	Rubber Treads and Risers
SMOOTH	Smooth Finish (Level 5)
SV #	Sheet Vinyl & Type
SEALED	Sealed Concrete
TRZ	Existing Terrazzo
TXT	Textured Finish (Level 3)
VCT #	Vinyl Composition Tile & Type
VB	Vinyl Base & Type

1 CMU

CPT

RTR

SMOOTH

SV

ROOM FINISH SCHEDULE - COMMON AREAS

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL FINISH	CEILING	WINDOW TREATMENT	COMMENTS	LAST REVISED
000A	LOWER CORRIDOR	CONC	VB	PL-PT, MP-PT, MAS	CONC	NONE		ADD 1
001	TENANT STORAGE	CONC	VB ONLY @ GB WALLS	GB-PT, MAS	CONC	-	CHAINLINK FENCE AT STORAGE UNITS	ADD 1
002	TENANT STORAGE	CONC	VB ONLY @ GB WALLS	GB-PT, MAS	CONC	-	CHAINLINK FENCE AT STORAGE UNITS	ADD 1
003	STORAGE	CONC	VB ONLY @ GB WALLS	GB-PT, MAS	CONC	-		
004	STORAGE	CONC	VB ONLY @ GB WALLS	GB-PT, MAS	CONC	-		
005	WATER	CONC	VB ONLY @ GB WALLS	GB-PT, MAS	CONC	-		
006	LAUNDRY	CONC	FRP @ GB WALLS	FRP, GB-PT, MAS	CONC	NONE	INSTALL FRP UP TO 4' HEIGHT ON ALL G.B. WALLS	
008	ELECTRIC	CONC	NONE	GB, MAS, MP	CONC	-		
009	TRASH/RECYCLING	SEALED	NONE	MAS-PT	CONC	NONE		
010	STORAGE	CONC	NONE	MAS-PT	CONC	-		
100A	HISTORIC LOBBY	TRZ	TRZ	PL-PT, GB-PT	PL-PT	?	SEE SHEET A1.60	
109	TOILET	CT	CT	PL-PT, GB-PT, SMOOTH	GB-PT, SMOOTH	-		
110	STORAGE	TRZ	TRZ	PL-PT	GB-PT	-		ADD 1
111	HALL	TRZ	TRZ, VB	PL-PT	PL-PT	-		ADD 1
115	VEST.	TRZ	TRZ	PL-PT	PL-PT	-		
116	ANTE	TRZ	TRZ	PL-PT	PL-PT	-		
200A	GUARD CORRIDOR	CONC	MP-PT, VB	MP-PT, GB-PT	MP-PT	?		ADD 1
200B	CORRIDOR	CONC	MP, VB	MP-PT, GB-PT	MP-PT	NONE		ADD 1
209	ELEC.	CONC	VB ONLY @ GB WALLS	GB	MP-PT	-		ADD 1
210	JANITOR	CONC	MP-PT	MP-PT	MP-PT			ADD 1
300A	GUARD CORRIDOR	CONC	MP-PT, VB	MP-PT, GB-PT	MP-PT	?		
309	ELEC.	CONC	-	GB	MP-PT	-		ADD 1
310	JANITOR	CONC	MP-PT	MP-PT	MP-PT	-		ADD 1
400A	GUARD CORRIDOR	CONC	MP-PT, VB	MP-PT, GB-PT	MP-PT	?		ADD 1
400B	CORRIDOR	CONC	VB	MAS-PT, GB-PT	MD-PT	-		ADD 1
409	STOR.	CONC	MP-PT, VB	GB-PT	MP-PT	-		ADD 1
410	JANITOR	CONC	MP-PT	MP-PT	MP-PT	-		ADD 1
501	LOWER MECH.	CONC	-	GB, MAS	PC	-		ADD 1
502	MOTHBALLED SPACE	CONC	-	GB, MAS	PC	-		ADD 1
503	MOTHBALLED SPACE	CONC		GB, MAS	PC			ADD 1
600	PENTHOUSE	CONC	-	MAS	PC	-		
E	ELEV.		-			-		ADD 1
SA	STAIR A	RTR	VB	CMU-PT, GB-PT	GB-PT		RTR AT LANDINGS	ADD 1
SA0	STAIR A	CONC, RTR	VB	CMU-PT, GB-PT	CONC		RTR AT INTERMEDIATE LANDING	ADD 1
SA1	STAIR A	TRZ, RTR	TRZ, VB	CMU-PT, GB-PT			TRZ AT FIRST FLOOR LANDING	ADD 1
SB	STAIR B	EXIST.	EXIST.	PL-PT	PL-PT			ADD 1

ROOM FINISH SCHEDULE - DWELLING UNITS (DU)

LEVEL	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLG. HT.	NOTES	LAST REVISED
BASEMENT	ALL SPACES	SEALED	VB	GB-PT	CONC - PAINTED	9'-0"		
FIRST FLOOR	UNIT 107 (EXCEPT BATH)	TRZ	TRZ, VB	PL-PT, GB-PT	PL - PAINTED	12'-0"	CROWN MOLDING TO BE RESTORED AND PAINTED	ADD 1
	UNIT 107 BATH	TRZ	TRZ, VB	PL-PT, GB-PT, SMOOTH	GB-PT, SMOOTH	10'-3"	INSTALL FALSE CEILING OVER BATHROOM	ADD 1
	ALL SPACES (EXCEPT BATH)	TRZ	TRZ, VB	GB-PT	GB-PT	11'-0"		ADD 1
	BATH	TRZ	VB	GB-PT, SMOOTH	GB-PT, SMOOTH	11'-0"		
SECOND/THIRD FLOOR	ALL SPACES (EXCEPT BATH)	CONC	VB	GB-PT*	MP - PAINTED	8'-10" +/-		ADD 1
	BATH	CONC	VB	GB-PT, SMOOTH*	MP - PAINTED	7'-10" +/-	INSTALL FALSE CEILING OVER BATHROOM	ADD 1
FOURTH FLOOR	ALL SPACES (EXCEPT BATH)	CONC	VB	GB-PT*	MP - PAINTED	8'-7 1/2"/VAULTED		ADD 1
	BATH	CONC	VB	GB-PT, SMOOTH*	MP - PAINTED	7'-10" OR 8'-7 1/2"	INSTALL FALSE CEILING OVER BATHROOM WHERE INDICATED ON RCP'S	ADD 1
FIFTH FLOOR	ALL SPACES	CONC	VB	GB-PT*	PC - PAINTED	10'-0" +/-		

NOTES:
-INSTALL HORIZONTAL LOUVER BLINDS AT ALL DU WINDOW OPENINGS
-ALL DUCTWORK, ELECTRICAL CONDUIT AND SPRINKLER PIPING WITHIN UNITS TO BE EXPOSED AND PAINTED
-NOTE LOCATIONS ON UNIT PLANS WHERE MP WALLS ARE EXPOSED TO VIEW. MP WALLS ARE TO BE PAINTED

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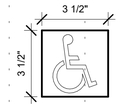
DRAWING TITLE:
ROOM FINISH SCHEDULE

DRAWN BY: Author
CHECKED BY:Checker
PROJ. NO: 180039

DRAWING NO: **A7.00**

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NOTE: SEE SPECIFICATION FOR ADDITIONAL INFORMATION ON SIGNS

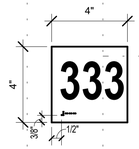


ST-3

FACE:
FIRST SURFACE 220-10 WHITE VINYL

MOUNTING:
DA

1 SIGN TYPE ST1
3" = 1'-0"



ST-12

FACE:
.060 NG ACRYLIC SUB SURFACE PAINTED
COLOR TO BE SELECTED BY ARCHITECT.

TEXT 1 1/2" CG TRIUMVIRATE BOLD
PROFILE COLOR TO BE SELECTED BY ARCHITECT
CENTER / CENTER

BRAILLE:
1/2" / up 3/8"
RASTERS

MOUNTING:
4611 VHB

2 SIGN TYPE ST2
3" = 1'-0"



ST-2

FACE:
.060 NG ACRYLIC
SUB SURFACE PRINTED
WHITE VINYL FLOOD

MOUNTING:
4611 VHB

3 SIGN TYPE ST3
3" = 1'-0"



ST-11

FACE:
.060 NG ACRYLIC SUB SURFACE PAINTED
COLOR TO BE SELECTED BY ARCHITECT

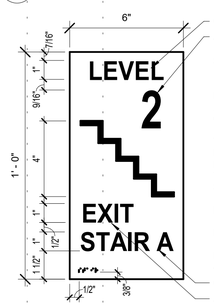
TEXT 3/4" CG TRIUMVIRATE BOLD
PROFILE COLOR TO BE SELECTED BY ARCHITECT
CENTER / UP 1 1/4"

PICTOGRAM CENTER / UP 3 1/2"

BRAILLE:
CENTER / UP 1 1/2"
RASTERS

MOUNTING:
4611 VHB

4 SIGN TYPE ST4
3" = 1'-0"



CENTER TEXT
ALIGN NUMBER RIGHT WITH TEXT

ST-5

FACE:
.060 NG ACRYLIC SUB SURFACE PAINTED
COLOR TO BE SELECTED BY ARCHITECT

TEXT 1" CG TRIUMVIRATE BOLD
NUMBER 2" CG TRIUMVIRATE BOLD
PROFILE COLOR TO BE SELECTED BY ARCHITECT
TEXT POSITION AS SHOWN
SYMBOL 4" CENTER / CENTER

BRAILLE:
1/2" / UP 3/8"
RASTERS

MOUNTING:
4611 VHB

CENTER BOTTOM TEXT
ALIGN TEXT LEFT WITH BOTTOM TEXT

5 SIGN TYPE ST5
3" = 1'-0"



ST-10

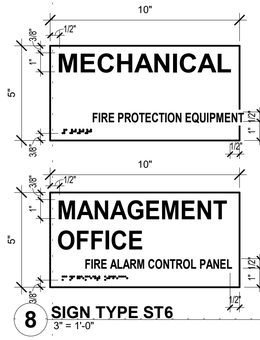
FACE:
.060 NG ACRYLIC 1/4" ROUNDED CORNERS
SUB SURFACE PAINTED
COLOR TO BE SELECTED BY ARCHITECT

TEXT 3/4" CG TRIUMVIRATE BOLD
PROFILE COLOR TO BE SELECTED BY ARCHITECT
CENTER / UP 4 1/2"
NUMBER 1 1/2" CG TRIUMVIRATE BOLD
CENTER / UP 1 1/2"

BRAILLE:
1/2" / up 3/8"
RASTERS

MOUNTING:
4611 VHB

7 SIGN TYPE ST7
3" = 1'-0"



ST-9

FACE:
.060 NG ACRYLIC 1/4" ROUNDED CORNERS
SUB SURFACE PAINTED
COLOR TO BE SELECTED BY ARCHITECT

TEXT 1" CG TRIUMVIRATE BOLD
PROFILE COLOR #_____
1" / TOP 3/8"
IF TWO LINES ILS 50%
IF COPY OF LONGER THAN 9" CONDENSE TO FIT

BRAILLE:
1/2" / up 3/8"
RASTERS

MOUNTING:
4611 VHB

8 SIGN TYPE ST6
3" = 1'-0"



ST-1

SUB SURFACE VINYL SIGNAGE

12" X 18"
3/8" RADIUS CORNERS

STANDARD LAYOUT

.080" NON-GLARE AF ACRYLIC
SUB SURFACE PAINTED
COLOR TO BE SELECTED BY ARCHITECT

1 1/2" & 5" TEXT - SUB-VINYL COPY
HELVETICA BOLD TYPESTYLE

1" FLOOR DISCHARGE INFORMATION
HELVETICA MEDIUM TYPESTYLE
COPY COLOR TO BE SELECTED BY ARCHITECT

BRAILLE:
1/2" / up 3/8"

6 SIGN TYPE ST8
3" = 1'-0"

STAIR A NO ROOF ACCESS 5 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	STAIR B NO ROOF ACCESS 5 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	
STAIR A NO ROOF ACCESS 4 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	STAIR B NO ROOF ACCESS 4 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	
STAIR A NO ROOF ACCESS 3 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	STAIR B NO ROOF ACCESS 3 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	
STAIR A NO ROOF ACCESS 2 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	STAIR B NO ROOF ACCESS 2 1 THROUGH 5 EXIT DISCHARGE FIRST FLOOR	
STAIR A NO ROOF ACCESS 1 1 THROUGH 5 EXIT DISCHARGE THIS FLOOR	STAIR B NO ROOF ACCESS 1 1 THROUGH 5 EXIT DISCHARGE THIS FLOOR	

LHB
PERFORMANCE
DRIVEN DESIGN.
LHBcorp.com

701 Washington Ave. N. Ste 200 | Minneapolis, MN 55401 | 612.338.2029

Sheet Reissued Addendum No 2
April 11, 2013

CLIENT:
New Burnham, LLC

575 9th Street Southeast, Unit 215
Minneapolis, MN 55414

THIS SQUARE APPEARS 1/2"x1/2"
ON FULL SIZE SHEETS

NO	DATE	ISSUED FOR
	1/10/20	100% CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
6	11-6-2015	Post Bid Addendum 4

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature:

Typed or Printed Name: ANDREW MADSON

Date: 1/10/20 Reg. No.: 50555

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PROJECT NAME:
The Burnham - Historic St. Louis County Jail

521 W. 2ND STREET
Duluth, MN 55802

DRAWING TITLE:
SIGNAGE

DRAWN BY: Author
CHECKED BY: Checker
PROJ. NO: 180039

DRAWING NO: **A7.10**

BIM 360://180039 SLC Jail Rehab into Housing/180039 St Louis Co Housing Reuse A20.rvt
7/10/2021 2:47:35 PM