CCH MED SCHOOL HOUSING

PROJECT DIRECTORY

OWNER	CONTRACTOR	ARCHITECT	CIVIL ENGINEER	STRUCTURAL ENGINEER	MECHANICAL & PLUMBING ENGINEER	ELECTRICAL ENGINEER
CENTRACARE/ST. CLOUD HOSPITAL 1406 6TH AVENUE NORTH SAINT CLOUD, MN 56303	BRADBURY STAMM CONSTRUCTION CHRIS KOEPP 23823 67TH AVE ST. CLOUD, MN 56301 PH: (320) 253-2411	MAHLER & ASSOCIATES ARCHITECTURE GRAEME H.D. MAHLER 5150 MARSON DRIVE, SUITE 101 SAUK RAPIDS, MN 56379 PH: (320) 257-2724 EMAIL: gmahler@mahlerarchitecture.com	WESTWOOD JOHN BLENKER, PE 1900 MEDICAL ARTS AVE S, SUITE 100 SARTELL, MN 56377 PH: (320) 253-9495	SANDMAN STRUCTURAL ENGINEERS GREGG MATLOCK, PE 1587 30TH AVE. S. MOORHEAD, MN 56560 PH: (218) 227-0022	TO BE ACCOMPLISHED DESIGN-BUILD BY THE G.C. DELAYED SUBMITTAL	TO BE ACCOMPLISHED DESIGN-BUILD BY THE G.C. DELAYED SUBMITTAL

CODE ANALYSIS

8/24/24 CCH Med School Housing Apts, St. Cloud, MN
Description of the Building:
New Construction of a three (3) story apartment building, above an enclosed parking garage building. Net (excluding exterior walls but includes shafts, that are allowed to be deducted) square footages are:

Grade Level	38232 SF
2nd Floor	36113 SF
3rd Floor	38172 SF
Lower-Level Enclosed Garage	37153 SF

Total of 112,517 SF of Residential and Accessory Residential spaces.
37153 SF of S-2 enclosed parking garage, underneath.

Grade Building

R-2 Units	25953 SF
R-2 Accessory Business/Lobby	4906 SF
R-2 Accessory Mech/Plmbg/Elec/Restroms	781 SF
R-2 Common Circulation	4638 SF
R-2 Accessory Fitness	571 SF
Shafts	991 SF
Total Grade Level	38232 SF

2nd Floor

R-2 Units	30420 SF
R-2 Accessory Mech/Plmbg/Elec/Restroms	393 SF
R-2 Common Circulation	4309 SF
Shafts	991 SF
Total 2nd Floor	36113 SF

3rd Floor

R-2 Units	30420 SF
R-2 Accessory Mech/Plmbg/Elec/Restroms	393 SF
R-2 Common Circulation	4309 SF
R-2 Accessory Sky Lounge	2059 SF
Shafts	991 SF
Total 3rd Floor	29092 SF

Lower-Level Enclosed Parking Garage

S-2 Parking Garage	37153 SF

General Code Parameters, included by reference, but to be considered bound herein- 2020 MNSBC, Energy, Accessibility, Plumbing, Mechanical and Fuel Gas, National Electrical Code, Administration and MN Provisions codes, apply.
Chapter 3. Use and Occupancy Classification
R-2 Apartment House, 310.3.
R-2 Accessory Office, Community Room, Fitness Room, 303.1.2
Exception 1. and 2.
R-2 Accessory Mechanical, 508.2 509.3
S-2 Parking Garage, Enclosed, 311.3.
Chapter 5. General Building Heights and Areas
Table 504.3 Allowable Building Height,
R-2 70' high, **S-2** 75' high.

Table 504.4 Allowable number of Stories Above Grade Plan,
R-2 4 stories, **S-2** 4 stories.

Table 506.2 Allowable Area Factor
R-2 36,000 SF, **S-2** 78,000 SF.

506 Building Area
506.2.3 Automatic sprinkler system per 903.3.1.1, IS USED because of underneath garage, large patio/deck and community areas.
Aa=At +[NS*I]] x Sa Equation 5-2
506.3 Frontage Increase, Equation 5-5
If= Area increase due to frontage (%)
I'= Building perimeter which fronts on a public way or open space having 20' open min. width

P= Perimeter of entire building
W= Min. width of public way or open space
If= [F/P-0.25] W/30
Building Frontage

If=	[F/	P	-0.25]*	W	/30	
	1276	/1268	-0.25	30	/30	
0.68=		0.93	-0.25	*	1.00	If'>1 use 1

Lower-Level Garage

If=	[F/	P	-0.25]*	W	/30	
	1276	/1276	-0.25	30	/30	
0.75=		1.00	-0.25	*	1.00	If'>1 use 1

Table 504.3 R occupancy for Type VA construction, sprinklered, allows a height of 70 feet above grade plane. Exterior elevations sheets A-201 and A-202 indicate a height maximum of 48' above the grade plane (39'-8" to mid-point of gable).
Equation 5-3 with values from Table 506.2

R-2	Apt				
Aa=	[At +	(NS*	I)] X Sa		
As=	[36,000	+ (12,000*0.68)] X 3			
As=		8,160			
Aa=	[36,000	+	8,160] X 3		

44,160 X 3 = 132,480 SF Total Building Allowable, 44,160 SF/Floor Allowable

Largest SF/floor
38232 SF Actual < 44,160 Allowable

S occupancy, underground parking, for Type IIB construction, sprinklered, allows a height of 180 feet above grade plane. Section sheet A-301 and A-302 indicate a height of 10'-2".

	S-2 Parking Underground Garage				
	Aa=	At +	(NS*	I)]	
	Aa=	78,000+	(26,000	*0.75)	
	Aa=			19,500	
	Aa=	78,000	+	19,500	

97,500 SF/floor Allowable
37,153 SF/floor Actual

Table 509 Incidental Use Areas, No Incidental Use areas are present in the building.
Chapter 6. Types of Construction
Table 601, Type VA at R-2/accessory, Type IIB at S-2, underneath garages
Table 602, Fire Separation Distance is greater than 30', One-hour (1 HR) Fire-Resistance Rating Provided for Exterior Walls at R-2.
Chapter 7. Fire-Resistance-Rated Construction
Table 705.8, Maximum Area of Exterior Wall Openings Based on Fire Separation Distance and Degree of Opening Protection
Distance (feet) Greater than 30, No Limit for Unprotected openings.
713 Shaft Enclosures- trash, stair, and elevator shaft enclosures are constructed as two hour fire-resistant shafts in accordance with 707 Fire Barriers and 713.4.
711 Floor and Roof Assemblies- separating S-2 from R, and dwelling units in the same building or sleeping units in R-2 is a minimum of 1-hour fire-resistance rated construction.
718 Concealed Spaces-718.3 and 718.4, R-2 Draftstopping is NOT provided in the sprinkled, protected attic and concealed spaces.
Chapter 9. Fire Protection Systems
903.3.1.1NFPA 13 sprinkler system to be provided at R-2, and S-2 underneath, parking garage.
905 Standpipe Systems-**provided in accordance with 905.4**.
907.2.9 Fire Alarm and Detection Systems- per Group R-2 Requirements and Exceptions.
Chapter 10. Means of Egress
Table 1004.5 Residential 200 gross, Parking 200 gross:
Lower Level = S-2, 37,153 SF/200=186 Occupants
Grade Level = R-2, 38232 SF/200 = 191 Occupants
2nd Floor = R-2, 36113 SF/200 = 181 Occupants
3rd Floor = R-2, 38172 SF/200 = 191 Occupants

Grade Floor Accessory spaces (included in GSF for each Bldg/Floor above)

R-2 Accessory Business/Lobby	4906 SF/150 = 33
R-2 Accessory Mech/Plmbg/Elec/Restroms	1173 SF/ 300 = 4
R-2 Accessory Fitness	571 SF/ 300 = 11

2nd Floor Accessory spaces (included in GSF for each Bldg/Floor above)

R-2 Accessory Mech/Plmbg/Elec/Restroms	824 SF/300 = 3

3rd Floor Accessory spaces (included in GSF for each Bldg/Floor above)

R-2 Accessory Mech/Plmbg/Elec/Restroms	393SF/300 = 1
R-2 Accessory Sky Lounge	2059 SF/150 = 14

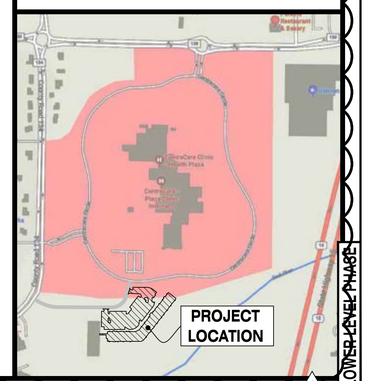
1005.3 Egress Width Per Occupant Served, With Sprinkler System, **but no auto voice message**;
Stairways = 0.3"x **191** Occupants = 57" of Stairway Exit Width
Other Egress Components= 0.2"(1005.3.2) x 191 (includes Accessory spaces) Occupants = 38"
Each Stairway Exit Width provided is not less than 54" clear (between the handrails) x 2 stairways = **108">57"** required.
Other Egress Components have been provided that exceed the required 54", example given, minimum of two (2) exit doors at 36" each = **72" of exit width >54"** required.
Table 1006.2.1 Common path of egress travel, for R-2 and S-2 occupancies shall not be more than 125 and 100 feet, respectively, provided the building equipped throughout with an automatic sprinkler system. **Maximum Common Path of Egress Travel is <53'.**
Table 1017.2 Exit Access Travel Distance, with Sprinkler System = 250' (400' for S-2). Exit Access Travel Distance provided = 230', maximum'.
Table 1006.2.1 Minimum Number of Exits for Occupant Load, two Exits or Exit Access Doorways have been provided per story.

Chapter 11. Accessibility
Accessible Entrances, Elevator, Restrooms, Path, Drinking Fountain, Mailboxes, Garages, Parking spaces, and Units have been provided.
Chapter 29. Plumbing System
Minimum Number of Required Plumbing Fixtures, Table 2902.1 requires one toilet, lavatory, bathtub or shower, and kitchen sink/dwelling.
We have provided a minimum of one each, per unit and two general purpose restrooms (one each near Business/Lobby and Fitness) and drinking fountains, near the office area.

INDEX OF SHEETS

SHEET	DESCRIPTION
CS-101	SHEET INDEX, PROJECT DIRECTORY, DESIGN CRITERIA
CS-102	PROJECT FORMS & GENERAL NOTES
CS-103.1	SPECIFICATION SHEET
CS-103.2	SPECIFICATION SHEET
S001	STRUCTURAL NOTES
S002	STRUCTURAL NOTES
S003	SPECIAL INSPECTIONS
S100	OVERALL FOUNDATION PLAN
S101A	FOUNDATION PLAN – AREA 'A'
S101B	FOUNDATION PLAN – AREA 'B'
S101C	FOUNDATION PLAN – AREA 'C'
S201A	FIRST FLOOR FRAMING PLAN – AREA 'A'
S201B	FIRST FLOOR FRAMING PLAN – AREA 'B'
S201C	FIRST FLOOR FRAMING PLAN – AREA 'C'
S202A	SECOND FLOOR FRAMING PLAN – AREA 'A'
S202B	SECOND FLOOR FRAMING PLAN – AREA 'B'
S202C	SECOND FLOOR FRAMING PLAN – AREA 'C'
S203A	THIRD FLOOR FRAMING PLAN – AREA 'A'
S203B	THIRD FLOOR FRAMING PLAN – AREA 'B'
S203C	THIRD FLOOR FRAMING PLAN – AREA 'C'
S204A	ROOF FRAMING PLAN – AREA 'A'
S204B	ROOF FRAMING PLAN – AREA 'B'
S204C	ROOF FRAMING PLAN – AREA 'C'
S220	PRECAST LOADING PLAN
S231	SHEER WALL PLAN
S301	FOUNDATION DETAILS
S302	FOUNDATION DETAILS
S401	PRECAST DETAILS
S410	WOOD FRAMING DETAILS
S411	WOOD FRAMING DETAILS
S412	WOOD FRAMING DETAILS
S420	ROOF FRAMING DETAILS
S421	ROOF FRAMING DETAILS
S430	STEEL FRAMING DETAILS
A-100	GARAGE FLOOR – OVERALL
A-100.1	LOWER LEVEL – AREA 'A'
A-100.2	LOWER LEVEL – AREA 'B'
A-100.3	LOWER LEVEL – AREA 'C'
A-100.4	LOWER LEVEL – SECTIONS
A-100.5	LOWER LEVEL – SECTIONS
A-100.6	LOWER LEVEL – SECTIONS
A-100.7	LOWER LEVEL – SECTIONS
A-101	1ST FLOOR – OVERALL
A-101.1	1ST FLOOR – AREA 'A'
A-101.2	1ST FLOOR – AREA 'B'
A-101.3	1ST FLOOR – AREA 'C'
A-102	2ND FLOOR – OVERALL
A-102.1	2ND FLOOR – AREA 'A'
A-102.2	2ND FLOOR – AREA 'B'
A-102.3	2ND FLOOR – AREA 'C'
A-103	3RD FLOOR – OVERALL
A-103.1	3RD FLOOR – AREA 'A'
A-103.2	3RD FLOOR – AREA 'B'
A-103.3	3RD FLOOR – AREA 'C'
A-104	ROOF PLAN
A-105.1	UNIT PLANS
A-105.2	UNIT PLANS
A-105.3	UNIT PLANS
A-201	EXTERIOR ELEVATIONS
A-202	EXTERIOR ELEVATIONS
A-203	INTERIOR ELEVATIONS
A-301	SECTIONS – STAIR
A-302	SECTIONS – STAIR
A-303	SECTIONS – TYPICAL WALLS
A-304	SECTIONS – ELEVATOR
A-305	SECTIONS – ENTRY CANOPY
A-401	INTERIOR DETAILS
A-401.1	WALL TYPES
A-401.2	BUILDING WRAP DETAILS
A-401.3	SOUND ISOLATION DETAILS
A-402	ADA DETAILS
A-501	KITCHEN PLANS
A-502	KITCHEN ELEVATIONS

VICINITY MAP



LOWER LEVEL PHASE

MAHLER & ASSOCIATES ARCHITECTURE
Graeme H.D. Mahler, AIA
Principal
5150 Marson Drive
Suite 101
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/2024

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
LOWER LEVEL PHASE
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet COVER SHEET
CS-101

New Construction Energy Code Compliance Certificate

Per R401.3 Certificate. A building certificate shall be posted on or in the electrical distribution panel.

Date Certificate Poste

Mahler & Associates Architecture

Mailing Address of the Dwelling or Dwelling Unit	**City**
CCH Med School Housing	St. Cloud MN
Name of Residential Contractor	**MN License Number**
Bradbury Stamm Construction	

THERMAL ENVELOPE

Insulation Location	Total R-Value of all Types of Insulation	Type: Check All That Apply: Non or Not Applicable	Fiberglass, Blown	Fiberglass, Batts	Foam, Closed Cell	Foam Open Cell	Mineral Fiberboard	Rigid, Extruded Polystyrene	Rigid, Isocynurate	Other Please Describe Here
Below Entire Slab										
Foundation Wall	10							X		
Perimeter of Slab on Grade	10							X		
Rim Joist (1st Floor)	20				X					
Rim Joist (2nd &3rd Floor+)	20				X					
Wall	20		X							
Ceiling, flat **(Provided 12" minimum heel)**	49	X								
Ceiling, vaulted										
Bay Windows or cantilevered areas										
Floors over unconditioned area										
Describe other insulated areas										

RADON CONTROL SYSTEM

X	Passive *(No Fan)*
	Active (With fan and manometer or other system monitoring device.)
Location (or future location) of Fan:	
Attic Outlets	

Building envelope air tightness:	**Duct system air tightness:**

Windows & Doors		**Heating or Cooling Ducts Outside Conditioned Spaces**
Average U-Factor (*excludes skylights and one door*) U:	0.36	Not applicable, all ducts located in conditioned space
Solar Heat Gain Coefficient (SHGC):	0.16	R-value

MECHANICAL SYSTEMS

Appliances	**Heating System**	**Domestic Water Heater**	**Cooling System**
Fuel Type			
Manufacturer			
Model			
Rating or Size	Input in BTUS:	Capacity in Gallons:	Output in Tons:
Efficiency	AFUE or HSPF%		SEER /EER
Residential Load Calculatio	**Heating Loss**	**Heating Gain**	**Cooling Load**

Make-up Air *Select a Type*

- Not required per mech. code
- Passive
- Powered
- Interlocked with exhaust device.
- Describe:
- Other, describe:
- Location of duct or system:
- Cfm's
- " round duct OR
- " metal duct

MECHANICAL VENTILATION SYSTEM

Describe any additional or combined heating or cooling systems if installed: (e.g. two furnaces or air source heat pump with gas back-up furnace):

Select Type

- Heat Recover Ventilator (HRV) Capacity in cfms: Low: High:
- Energy Recover Ventilator (ERV) Capacity in cfms: Low: High:
- Balanced Ventilation capacity in cfms:
- Location of fan(s), describe:
- Capacity continuous ventilation rate in cfms:
- Total ventilation (intermittent + continuous) rate in cfms:

Combustion Air *Select a Type*

- Not required per mech. code
- Passive
- Other, describe:
- Location of duct or system:
- Cfm's
- " round duct OR
- " metal duct

Builders Associaton of Minnesota version 101014

GENERAL NOTES

1. THE TERM 'ARCHITECT/ENGINEER' REFERS TO THE RESPONSIBLE ENTITY WHOSE NAME APPEARS ON THE CONTRACT DOCUMENTS.

2. THE TERM 'CONTRACT DOCUMENTS' REFERS TO THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS ISSUED BY THE ARCHITECT/ENGINEER.

3. THE DRAWINGS AND SPECIFICATIONS ARE PREPARED TO SHOW THE ARCHITECT'S INTENT IN THE DESIGN AND CONSTRUCTION OF THE PROJECT. IN ALL MATTERS RELATED TO THE USE OR INTERPRETATION OF THESE VARIOUS DRAWINGS AND SPECIFICATIONS, THE ARCHITECT'S WRITTEN STATEMENT IS CONSIDERED FINAL. MAKE NO DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.

4. ABSOLUTE ACCURACY OF DATA INDICATED IN THE DRAWINGS AND/OR SPECIFICATIONS IS NOT GUARANTEED. THE DOCUMENTS MAY REPRESENT IMPERFECT DATA AND MAY CONTAIN ERRORS, OMISSIONS, INCONSISTENCIES, CODE VIOLATIONS, AND IMPROPER USE OF MATERIALS. SUCH DEFICIENCIES WILL BE CORRECTED WHEN IDENTIFIED. THE CONTRACTOR IS REQUIRED TO CAREFULLY STUDY AND COMPARE THE DRAWINGS AND SPECIFICATIONS AND IMMEDIATELY REPORT TO THE ARCHITECT ANY DEFICIENCIES DISCOVERED. THE CONTRACTOR MUST REQUIRE EACH SUBCONTRACT TO LIKEWISE STUDY THE DOCUMENTS AND REPORT ANY DEFICIENCIES DISCOVERED. THE CONTRACTOR IS REQUIRED TO RESOLVE ALL REPORTED DEFICIENCIES WITH THE ARCHITECT PRIOR TO STARTING THE WORK. ANY WORK PERFORMED PRIOR TO THE RECEIPT OF INSTRUCTIONS FROM THE ARCHITECT WILL BE DONE AT THE CONTRACTOR'S RISK.

5. UPON DISCOVERY OF A DISCREPANCY IN THE DRAWINGS AND/OR SPECIFICATIONS, IT WILL BE DEEMED THAT THE CONTRACTOR ESTIMATED THE MOST EXPENSIVE MATERIALS AND LABOR INVOLVED, UNLESS THE CONTRACTOR REQUESTED AND OBTAINED WRITTEN CLARIFICATION FROM THE ARCHITECT DEFINING WHICH METHODS OR MATERIALS ARE REQUIRED.

6. DIMENSIONS FORMAT:
   A. USE ONLY WRITTEN DIMENSIONS FOR CONSTRUCTION;
   B. EXTERIOR DIMENSIONS FOR STUD FRAMED WALLS ARE FROM FACE OF EXTERIOR SHEATHING, UNLESS NOTED OTHERWISE.
   C. INTERIOR DIMENSIONS FOR STUD PARTITIONS ARE FROM CENTER OF STUD TO CENTER OF STUD, UNLESS NOTED OTHERWISE.
   D. EXTERIOR DIMENSIONS FOR C.M.U., BRICK, & CONCRETE ARE FROM EXTERIOR FACE, UNLESS NOTED OTHERWISE.
   E. INTERIOR DIMENSIONS FOR C.M.U., BRICK, & CONCRETE ARE FROM FACE (NOMINAL WIDTH) TO FACE (NOMINAL WIDTH), UNLESS NOTED OTHERWISE.
   C. DIMENSIONS ARE ROUGH CONSTRUCTION UNLESS NOTED OTHERWISE.

GENERAL REQUIREMENTS OF EACH CONTRACTOR

7. SUPERVISE AND DIRECT ALL WORK. BE RESPONSIBLE FOR ALL MEANS AND METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. COORDINATE ALL PORTIONS OF WORK UNDER THE CONTRACT. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THEIR TRADES AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NECESSARY FOR PROPER PERFORMANCE OF THE WORK.

8. PERFORM ALL WORK SHOWN OR NOTED ON THE DRAWINGS IN STRICT ACCORDANCE WITH, OR EXCEEDING ALL LOCAL, STATE, AND FEDERAL MINIMUM STANDARDS OF AGENCIES HAVING JURISDICTION OVER THE PROJECT, AND THE CURRENT AND APPLICABLE EDITIONS OF THE STATE BUILDING CODE, INTERNATIONAL BUILDING CODE, UNIFORM MECHANICAL CODE, UNIFORM PLUMBING CODE, AND NATIONAL ELECTRICAL CODE.

9. BE FAMILIAR WITH ALL DRAWINGS AND SPECIFICATIONS OF THE VARIOUS BUILDING SYSTEMS. INFORMATION SHOWN ON ONE DOCUMENT MAY REPRESENT INFORMATION RELATIVE TO OTHER DOCUMENTS.

10. BECOME FAMILIAR WITH THE EXISTING JOB SITE AND EXISTING CONDITIONS AND ACCEPT THE CONDITIONS AS THEY ARE FOUND.

11. INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE JOB SITE AND NOTIFY THE ARCHITECT OF ANY CONDITIONS WHICH CONFLICT WITH THE CONSTRUCTION DOCUMENTS, PRIOR TO PROCEEDING.

12. VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

13. BE RESPONSIBLE FOR THE ACCURACY OF THE BUILDING LINES AND LEVELS AND FOR THE CAREFUL COMPARISON OF THE LINES AND LEVELS SHOWN ON THE DRAWINGS WITH THE EXISTING SITE CONDITIONS, AND CALL ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.

14. REQUEST A CLARIFICATION FROM THE ARCHITECT IF UNCERTAIN OF EXACT REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT THE CONDITIONS CONSTRUCTED IN ERROR AT CONTRACTOR'S OWN EXPENSE AND SHALL BE RESPONSIBLE FOR THE EXPENSE AND REPAIR OF ANY RESULTING DAMAGE OR DEFECT TO THE WORK OR PROPERTY OF OTHERS.

15. OBTAIN ALL PERMITS, AND PAY ALL RELATED COSTS AND FEES.

16. PERFORM NO PORTION OF WORK REQUIRING A SHOP DRAWING OR SAMPLE SUBMITTAL UNTIL THE SUBMITTAL HAS BEEN REVIEWED BY THE ARCHITECT. THE AUTHOR OF, OR PARTY RESPONSIBLE FOR EACH SHOP DRAWING IS REQUIRED TO INSURE THAT SUCH DOCUMENTS ACCURATELY CONFORM WITH THE DESIGN CONCEPT AND COMPLY WITH THE DOCUMENTS.

17. CONFINE THE OPERATIONS AT THE SITE TO AREAS LIMITED BY LAWS, ORDINANCES, PERMITS, AND THE CONTRACT DOCUMENTS. DO NOT UNREASONABLY ENCUMBER THE SITE WITH MATERIALS OR EQUIPMENT.

18. MAINTAIN THE JOB SITE IN A CLEAN, ORDERLY CONDITION, FREE OF DEBRIS AND LITTER. UPON COMPLETION OF EACH SEGMENT OR PHASE OF WORK REMOVE ALL TRASH AND DEBRIS RESULTING FROM THE WORK.

19. PROPERLY STACK AND PROTECT ALL MATERIALS STORED ON THE SITE TO PREVENT DAMAGE AND DETERIORATION. FAILURE TO PROTECT MATERIALS MAY BE CAUSE FOR REJECTION OF THE WORK.

20. PERFORM CUTTING, FITTING, OR PATCHING IN A MANNER REQUIRED TO PROPERLY JOIN THE PARTS OR THE WORK TOGETHER. AVOID UNNECESSARILY ENDANGERING ANY WORK BY CUTTING, EXCAVATING, OR OTHERWISE ALTERING ANY PART OF IT.

21. PERFORM ALL PATCHING, REPAIRING, AND REPLACING OF MATERIALS AND SURFACES CUT OR DAMAGED IN THE EXECUTION OF THE WORK WITH APPROPRIATE MATERIALS SO THAT, UPON COMPLETION, THE SURROUNDING SURFACES BLEND TOGETHER AND MATCH.

22. PROVIDE PUBLIC PROTECTION AND MAINTENANCE TO ALL AREAS AFFECTED BY THE WORK AS NECESSARY AND AS REQUIRED BY LOCAL, STATE, AND FEDERAL CODES.

23. CONTRACTOR WILL PROVIDE TEMPORARY TOILET FACILITIES FOR ALL CONSTRUCTION PERSONNEL THROUGH COMPLETION OF THE WORK.

24. USE ONLY NEW MATERIAL'S OF GRADES AND TYPES SPECIFIED UNLESS NOTED OTHERWISE. GUARANTEE ALL WORK AND MATERIALS FOR A MINIMUM OF ONE YEAR, OR IN ACCORDANCE WITH STATE STATUTES, WHICHEVER IS LONGER.

25. PROTECT EXISTING AND NEW CONSTRUCTION, EQUIPMENT, AND FINISHED SURFACES AND MAINTAIN THEM CLEAN, UNMARRED, AND SUITABLY PROTECTED UNTIL ACCEPTED BY THE OWNER. IN THE EVENT OF DAMAGE, PROMPTLY MAKE REPLACEMENTS AND REPAIRS TO THE SATISFACTION OF THE ARCHITECT, AND ASSUME ALL COSTS.

26. PROVIDE ' AS-BUILT' DOCUMENTATION FOR ANY WORK VARYING FROM OR NOT IDENTIFIED IN THE CONTRACT DOCUMENTS.

27. EACH CONTRACTOR MUST BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK AND PROVIDE SAFE ACCESS TO AND FROM ALL LOCATIONS.

28. SCHEDULE THE WORK IN A MANNER WHICH MINIMIZES DISRUPTION TO THE OWNER'S OPERATIONS.

29. NOTIFY THE ARCHITECT AND OWNER IN WRITING, A MINIMUM OF FORTY-EIGHT HOURS PRIOR TO THE DISRUPTION OF ANY UTILITY SERVICES.

30. SECURE ALL AREAS OF THE WORK SITE EACH DAY UPON LEAVING THE PREMISES.

31. ANY I.B.C. REGULATIONS AND/OR LOCAL ORDINANCES ORDERED BY THE GOVERNING AUTHORITIES THAT IS NOT SHOWN OR INDICATED ON THESE CONTRACT DRAWINGS SHALL BE A JOB RESPONSIBILITY TO BE EXECUTED BY EACH INDIVIDUAL, CONTRACTOR AS LONG AS THE APPEARANCE, GENERAL CONSTRUCTION, OR USE OF THE BUILDING IS NOT AFFECTED.

32. EXCEPT WHERE MORE EXPLICIT OR STRINGENT REQUIREMENTS ARE WRITTEN INTO THE CONTRACT DRAWINGS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND AFFECT AS IF BOUND INTO OR COPIED DIRECTLY INTO THE CONTRACT DRAWINGS.

33. REFER TO CIVIL DRAWINGS FOR SITE CLEARING, GRUBBING, EXCAVATION, FILL AND SUBGRADE RECOMMENDATION.

34. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND PROVIDING ALL BUILDING MATERIALS AND FINISHES NOT SPECIFICALLY ADDRESSED IN THE DRAWINGS/SPECIFICATIONS.

35. ENCLOSED ATTICS SHALL BE PROVIDED WITH A MINIMUM OF 1 INCH OF AIR SPACE BETWEEN THE INSULATION AND THE ROOF SHEATHING. THE NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED. THE OPENING AREA MAY BE 1/300 OF THE AREA OF THE SPACE VENTILATED PROVIDED 50 PERCENT OF THE THE REQUIRED OPENING IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.

36. FIREBLOCKING SHALL BE PROVIDED AT: CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS, AND AT 10 FOOT INTERVALS BOTH HORIZONTAL AND VERTICAL; AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS, AND COVE CEILINGS; IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS;

37. DRAFT STOPS SHALL BE INSTALLED IN FLOOR-CEILING ASSEMBLIES OF BUILDINGS SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET. DRAFT STOPS SHALL BE INSTALLED IN ATTICS, MANSARDS, OVERHANGS, FALSE FRONTS SET OUT FROM WALLS, AND SIMILAR CONCEALED SPACES OF BUILDINGS SO THAT THE AREA BETWEEN DRAFT STOPS DOES NOT EXCEED 3,000 SQUARE FEET.

38. SHOP DRAWINGS AND/OR SUBMITTALS: SUBMIT TO THE CONTRACTOR

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A. REFER TO AND COORDINATE WITH CIVIL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL ITEMS
B. REFER TO CIVIL DRAWINGS FOR NEW AND EXISTING UTILITY LOCATIONS
C. ANY DISCREPANCIES BETWEEN CIVIL, PLUMBING, ELECTRICAL, AND ARCHITECTURAL DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY
D. PARKING LAYOUT, GUTTER AND CURB ARE SHOWN FOR CONCEPTUALIZATION ONLY. ACTUAL LAYOUT OF PARKING BY OWNER. NOTIFY OWNER FOR ADDITIONAL INFORMATION
E. DISABILITY SIGNS, SYMBOLS, RAMPS, SURFACES, SLOPES, ETC., ARE TO COMPLY WITH A.D.A., ANSI, AND ALL APPLICABLE CODES AND STANDARDS
F. PROPERTY LINES INDICATED ARE FROM OWNER PROVIDED INFORMATION. ACTUAL PROPERTY LINES, DIMENSIONS, BEARINGS, AND SITE LOCATIONS ARE TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION START
G. PROVIDE ACCESSIBLE ROUTE: WALKING SURFACES WITH SLOPE NOT GREATER THAN 1:20, MARKED CROSSINGS AT VEHICULAR WAYS, CROSS SLOPE NOT STEEPER THAN 1:50
H. ACCESSIBLE PARKING SPACE AND ACCESS AISLE SHALL HAVE A SLOPE NOT STEEPER THAN 1:50 IN ALL DIRECTIONS
I. RAMPS SHALL NOT EXTEND INTO PARKING, TRAFFIC LANES, OR ACCESS AISLES. FLARE SHALL NOT BE STEEPER THAN 1:10
J. AT LEAST 50% OF ALL ENTRANCES SHALL BE ACCESSIBLE WITH A MINIMUM OF A 60"X60" LANDING EXTENDING 24", MIN., BEYOND THE LATCH SIDE OF THE DOOR

LOWER LEVEL PHASE

MAHLER & ASSOCIATES
ARCHITECTURE
5150 Mahler Drive
Suite 101
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/2024

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
LOWER LEVEL PHASE
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet PROJECT FORMS & GENERAL NOTES - APARTMENT
CS-102

0330000 CAST-IN-PLACE CONCRETE {Material, Labor, and equipment) per plans, specifications, and the following:
1. Frost footings, pad footings, interior footings, foundation walls, floor slabs, stoops, aprons, exterior canopy pad, sidewalks, and curb faced sidewalks to be installed in accordance with the structural engineer's specifications and as shown in drawings. Include reinforcing bar, welded wire mesh, and/or fiber mesh as required.
2. Foundation walls to be Precast/Concrete Block/Cast-in-place per structural drawings.
3. Not Used
4. Not Used
5. Install anchor bolts.
6. Not Used
7. Concrete topping on hollow core plank.
8. Not Used
9. Not Used
10. Not Used
11. Install Americover, Extra Heavy Duty 10 mil. poly vapor barrier under all interior floor slabs.
12. Install expansion joints and saw cut all control joints. Immediately seal saw cut joints.
13. Seal all concrete flat work with TK 290WB.
14. Not Used
15. Set and fill steel pipe bollards.
16. Not Used
17. Install concrete spillways if applicable (see civil drawings)
18. Include all other cast-in-place concrete and reinforcing.
19. Installation of any steel imbedded angles at trench drains (if applicable) (material supplied by others).
20. Include hot water or winter material charges as required.
21. All floor drains are to be level with finish floor elevations, verify with GC the finish floor materials thickness.
22. Exterior concrete to have air entrainment admixture (as required)
23. Furnish equipment and labor necessary to unload and set all material for this bid section.

035413 Gyp-crete (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide and install Maxxon Gyp-Crete 2000 psi Multifamily, on second and third floors.
2. Provide Taylor Universal Latex Primer for areas receiving glued down flooring products.
3. Include additional trips for pre-gyp-crete under the tubs, if required.

0420000 MASONRY to be installed in accordance with the structural engineer's specifications and as shown in drawings.
1. Provide unit masonry as called out per plans.
2. Not Used.
3. Not Used.
4. Furnish equipment and labor necessary to unload and set all material for this bid package.
5. Provide control joints in block, not to exceed 25'.

042613 {Material, Labor, and equipment) per plans, specifications, and the following:
1. Pro-Fit Modera Ledgestone, Cultured stone/THIN brick veneer to be installed as shown on the exterior elevations with 4" stone sills, tight joints.
2. Not Used.
3. Provide all required flashings, weeps, wall ties, metal lath, and mortar to be installed as shown on the plans and specifications, and per industry standards.
4. Installation of any steel lintels and angles associated with the masonry work per the drawings, this steel is to be supplied by others.
5. Colored mortar as required.
6. Handwashing of material after work is complete.
7. Cover and protect from damage any finished surface.
8. Furnish equipment and labor necessary to unload and set all material for this bid package.

05 Metals to be installed in accordance with the structural engineer's specifications and as shown in drawings.
051200 STRUCTURAL STEEL (Material) per plans, specifications, and the following:
1. Structural steel - columns and beams at indoor parking area. (If applicable).
2. Provide all anchor and connection bolts for structural steel.
3. 6" pipe bollards at garage door and where shown on plans. Include steel guard rails in the garage. (If applicable).
4. 8x18 Elevator hoist beam. (Verify with elevator supplier and Structural drawings)
5. All steel is to be primed.
6. Delivery of all materials to job site for this section of work. Furnish equipment and labor necessary to unload and set all material for this bid package.

057300 ORNAMENTAL STEEL (Material) per plans, specifications, and the following:
1. Railings and accessories at site stairs, to be aluminum powder coated.
2. All interior handrails.
3 Philadelphia Hardware Decorative Handrail Bracket
4. Trench drain frame and grate for garages/sidewalks. (If applicable, see civil drawings).
5. Hanging Decks and Railings to be Superior Decks & Railings, Hopkins, MN.
6. Screened in decks to be Deck Expressions, Screen Railing Kits, Boca Raton, FL.

STEEL ERECTION (Labor) per plans, specifications, and the following:
1. Erect all structural steel. (If applicable).
2. Provide any lift or crane equipment required.

06 Wood, Plastics, and Composites to be installed in accordance with the structural engineer's specifications and as shown in drawings.
061000 ROUGH CARPENTRY (Material) per plans, specifications, and the following:
1. Supply and deliver all lumber, plywood sheathing, and fasteners as shown on the plans including but not limited to the following:
2. All wall framing to be panelized.
3. Provide all sheathing/gypsum board at interior walls where possible including shear and concealed interior walls.
4. Roof and floor trusses.
5. Bracing and draft stops per plans,
6. Blocking for bathroom accessories, handrails, cabinetry, trim work, door stops, closet shelving, fire extinguishers, fire department lock box, artwork, etc.
7. Wood bucks as required for openings, etc.
8. Exterior sheeting to be OSB per structural requirements.
9. Provide all Simpson hangers and hold downs/Strong-Rod system.
10. All wall panels to have double studs, posts, etc. as called out on the structural plan, installed at the plant.
11. Not Used.

ROUGH CARPENTRY (Labor and equipment) per plans, specifications, and the following:
1. Framing of main building.
2. Labor to install all structural steel at garage area. (If applicable).
3. Bolt on all wood that is connected to structural steel.
4. Labor for the installation of ALL interior and exterior wall panels. Exterior panels to be sheeted and shear walls to be sheathed.
5. Install and sheet all floor trusses. Install all required bracing and rim joists.
6. Set roof trusses, bracing, sheathing, venting, draft stops, and miscellaneous hand framing.
7. Wood bucks as required for garage door openings.
8. Sub fascia and exterior soffit framing.
9. Install deck brackets at hanging decks.
10. Install windows. Wrap rough opening and wrap windows per drawings and manufacturer's installation instructions.
11. Install thru wall Air Conditioner/MagicPak sleeves. Wrap per drawings and manufacturer's installation instructions. Colors to match siding or prime and paint.
12. Interior corridor/chases, and soffit(s) framing.
13. Install backing for bathroom accessories, ADA grab bars, fixture grab bars, handrails, cabinetry, trim work, door stops, closet shelving, fire extinguishers, fire department lock box, artwork, etc.
14. Frame access doors and catwalks in attic.
15. Install in concealed drywall and any draft stopping drywall, including sheetrock at exterior overhangs per details.
16. Build all temporary/moveable safety railings around stairways and elevator, openings, open edge of walls/floors.
17. Construction, installation, and removal of temporary exterior doors.
18. Provide all required fasteners to complete rough carpentry work.
19. Not Used
20. Install Tyvek building wrap.

062023 FINISH CARPENTRY (Material) per plans, specifications, and the following:
1. Prefinished 5/16" x 3-1 /4" Poplar painted base for all unit walls stained to match Salt of the Earth, in Area A, and Chameleon, in Area B.
2. Prefinished 2-1/ 4" Poplar painted casing at interior unit doors. Entry doors of unit are timely frames with standard metal trim.
3. Prefinished stained Poplar 5-1 /4" wood base at common areas and Corridors.
4. Common Areas - 5 ¼" wood Base.
5. Stairwells wood skirt boards and stained, 5-1/4" wood base (Poplar), at upper floors.
6. Unit windows and barn doors have drywall returns.
7. ClosetMaid Pro, Standard System, Fixed Mount Ventilated Wire, 12" wire closet shelving with integral hanger rod.
8. Provide prefinished Poplar wall cap, railing and metal brackets (bracket finish to be Satin Nickel) at stairs.
9. Review color selection with interior designer. Coordinate finishes with interior designer. Stain Base, Casing & Stair Parts to match "Sweet and Savory".
10. Millwork Units- Ferche, Poplar Base FJ, Paint; Common Areas Poplar Base PF, Veneered Skirtboards MDF Core FP95
Craftsman Collection Creative Stair Parts Prefinished Poplar Newel Posts Chamfered Top 3-1/2"/58" & Balusters 1-1/4", Handrail, Plowed, Shoe Rail, Fillet, Wall Rail, False Step Components, Rectangle Rosette, ¾"x7-1/4" Poplar S4S Wall Cap

064113 CABINETRY (Material and Labor) per plans, specifications, and the following:
1. Not Used
2. Provide White Sparkle Granite countertops with 3" backsplash, and cultured marble, Pure White/Matte finish sills. Provide Marble Vanities & Sink, Pure White/Matte finish.
Mini Wave Rectangular sink.
3. 3" Flat Stock/Square crown molding on all upper cabinets, to match cabinets.
4. Cabinets to include all units. Area 'A', northwest wing, Salt of the Earth cabinets. Area 'B', east wing, Chameleon cabinets. Provide white painted uppers at 3 bed 2 bath units.
5. Provide lower and upper cabinetry, Bathroom vanities and public restrooms.
6. Common Area Cabinetry: Sweet and Savory, Standard Brushed Nickel hardware. Increase size of hardware to 6-3/8". Countertops: Calcatta Luccia Quartz.
7. All kitchen countertops to be with tile backsplashes in 3 Bed 2 Bath Units and stainless-steel double bowl sinks.
8. Provide plastic laminate tops at Laundry Rooms.
9. Provide bathroom linen closets and floating vanities as per plan.
10. Not Used
11. Provide bathroom vanities cultured marble, standard manufacturer's finishes, with 4" backsplash and side splash and white rectangle bowls.
12. Provide granite cultured marble, standard manufacturer's finishes at all windows.
13. Public restrooms provide cultured marble, standard manufacturer's finishes top with 4" side and backsplash and under mount sink.
14. Provide enclosed rectangle 4-1/4" cabinetry pulls. Standard Brushed Nickel. Increase size of hardware to 6-3/8" at 3 bed 2 bath units, applicable sized cabinetry.
15. Provide steel support brackets as required for any countertop.
16. All cabinetry wood to be pre-finished with white melamine interiors.
17. Provide color samples and shop drawings for interior designer's approval.
18. Field measure all units to verify proper cabinetry fit.
19. Provide wood accent panels/faux beams in common areas.
20. Not Used
21. Install cabinetry and countertops.
22. Provide proper supports for under mount sinks.
23. All cabinets doors (not drawers) to have soft-close hinges.
24. Provide four open Shelves, to match adjacent cabinetry, at 3 bed 2 bath, 2 bed 2 bath, and studio, above/to side of ranges, in kitchen, and in Community Room and Sky Lounge.

07 Thermal and Moisture Protection

071353 Waterproofing (Material, Labor, and equipment) per plans, specifications, and the following:
1. Waterproof foundations/walls/below grade shafts, and as further indicated in the drawings.
Type: Cold-applied filtered asphalt emulsion.
Standard: ASTM D 1227, Type II, Class 1, troweled on.
Protection Course: Compatible with dampproofing.
07 19 00 WATER REPELLENTS
Provide water repellent coating for concrete surfaces.
Application: Vertical concrete surfaces.
Application: Horizontal concrete surfaces.
Type: Penetrating silane or siloxane.
Appearance: Clear, non-gloss, non-yellowing.
Vapor Transmission: Vapor permeable.
Application Rate: Suitable for substrate and project conditions.

072100 INSULATION (Material, Labor, and equipment) per plans, specifications, and the following:
1. Fiberglass batt insulation in exterior walls with vapor barrier.
2. Blown-in fiberglass insulation at the attic with vapor barrier. See sheet CS-102, 'New Construction Energy Code Compliance Certificate' for minimums.
3. Foamed-in-place insulation at rim joist.
4. Provide 12" high density fiber pack sound insulation, entire depth, in the floor trusses.
5. Caulking and sealing of vapor barriers and at penetrations per code requirements and sheet A-401.3, Sound Isolation Details.
6. All other insulation associated with doors, windows, and penetrations.
7. Sound insulation per plans.
8. Insulate floor joists above vaulted ceilings, and as indicated in the drawings.

MATERIALS
Board Insulation:
Application: Foundation walls.
Application: Exterior cavity walls, outboard of sheathing.
Type: Extruded polystyrene, rigid.
Standard: ASTM C 578.
Blanket/Batt Insulation:
Application: Thermal insulation in studs in exterior walls.
Application: Thermal insulation at underside of roofs, over heated spaces, and soffits.
Application: Thermal insulation over unheated areas.
Type: Unfaced mineral fiber.
Standard: ASTM C 665, Type I (unfaced).
Accessories: Fasteners and tapes.
Loose Fill Insulation:
Application: Thermal insulation.
Type: Loose glass fiber insulation.
Standard: ASTM C 764.
Spray-Applied Polyurethane Insulation:
Application: Exterior walls.
Standard: ASTM C 1029.
Roof and Deck Insulation:
Application: Exterior roofs and decks.
Type: Polyisocyanurate.
Roof Insulation Adhesive:
Application: Roof insulation adhesive.
Type: Two-component polyurethane froth adhesive.
Vapor Retarder (Not Integral with Insulation):
Application: Exterior walls.
Type: Reinforced 2-ply polyethylene, 6 to 10 mils.
Accessories: Seam tapes.

073113 SHINGLES (Material, Labor, and equipment) per plans, specifications, and the following:
1. A laminated, architectural, asphalt 30-year shingle. Certainteed, Landmark, Colonial Slate. (See exterior elevations)
2. All associated flashings; style 'd' drip edge, colored dormer flashing, dormer flashing, step flashing, etc.
3. Continuous ridge vent and box vents as required.
4. Roofing underlayment to be Grace Select Self Adhering ice and water shield – at eaves, minimum of two feet to inside exterior walls, and in valleys 1 ½ rows, each direction, and see roof plan for additional locations
5. Remaining roof to be premium grade underlayment (CertainTeed Roofers Select, GAF Shingle Mate, or similar)
6. Provide and install fall protection D rings every 40 feet.
7. Not used

074616 SIDING (Material, Labor, and equipment) per plans, specifications, and the following:
1. Pre-finished exterior metal siding, horizontal (EDCO 8" lap, Canyon/Mahogany/Charcoal Gray, 0.015 inch) and vertical steel siding (Pac-Clad, M36, 24 gauge Graphite). See exterior elevations.
2. LP smart side, 440 Series Cedar Texture, trim system with texture around doors and windows. See exterior elevations.
3. Prefinished metal 8" fascia and vented soffits.
4. All associated EDCO, Driftwood Gray, standard trim pieces; j-channel, f-channel, inside corners, outside corners, light/outlet blocks, etc.
5. Not Used.
6. Include all vents to match siding color. See exterior elevations.
7. Not Used.
8. Decks to be installed after siding is installed. Install all proper flashing and ledger board spacers.
9. Supply and install all other exterior flashing, including door wraps, custom bent corners, frieze board wrap, belly band, overhead door wraps and deck ledgers.
10. Provide and Install Dupont Tyvek building wrap. Building wrap to be installed per manufacturers specifications including taping seams.
11. Provide and install gutters and downspouts, at all entrances, valleys, decks, porches, and where shown on the drawings. Downspout colors to match siding.
12. Caulk all windows to surrounding j-channel.
13. Furnish equipment, lift equipment, and labor necessary to unload and set all material for this bid package.
14. Exterior flashing at hanging decks.

075556 MEMBRANE ROOFING (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide and install fully adhered, 60 Mil EPDM Carlisle SynTec Roofing System and Sheet metal flashing and trims at flat roof areas. Provide Aluminum-Zinc Alloy-Coated Steel: 0.022 inch (0.56 mm) thick.
2. Not Used.
3. Not Used.
4. Provide and install ¼" per foot tapered insulation.
5. Provide and install prefinished metal scuppers and downspouts at flat roof area.
6. Provide and install prefinished metal coping at flat roof areas.
7. Provide and install metal panels at fascia where noted.

077233 Roof Hatches:
Bilco Roof Hatch with permanent ladder

SECTION 07 84 00 FIRESTOPPING
Provide 3M Fire Protection Products.
MATERIALS
1. Applications as Applicable to Assembly: Through-penetrations, fire-resistive joints, perimeter fire containment, smoke seals.
2. Types as Applicable to Assembly: Endothermic and intumescent sealants, pillows, putty and wrap strips.

SECTION 07410
FACTORY MANUFACTURED PREFORMED WALL PANELS
This section covers the pre-finished, pre-fabricated exposed fastener metal roof and wall system. All metal trim, accessories, fasteners, insulation and sealants indicated on the drawings as part of this section. Metal Wall Panel Assembly: Metal panels, attachment system components, miscellaneous metal framing, thermal, and accessories necessary for a complete weathertight system. ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
General Performance: Metal wall panels shall comply with performance requirements without failure due to defective manufacture, fabrication, installation or other defects in construction. Wall System shall be designed to meet applicable Local Building Code and the System shall have tested by the Manufacturer per ASTM E-1592 and have the applicable Load Tables published from this testing for loads.

079200 CAULKING AND SEALANTS (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide Sika Product systems for all exterior and interior caulking including louvers, doors, windows, stone control joints, exterior sill coping, exterior sill joints at top of wainscot, and all exterior areas where dissimilar material meet. Including around aluminum doors, windows, and storefront- interior and exterior.
2. Provide backer rod where required.
3. Caulk all interior floor expansion and control joints not receiving a stained concrete finished floor.
4. Vanities, countertops, interior doors, and windows to steel siding to be completed by others.

08 Openings
081113 WOOD DOORS (material) per plans, specifications, and the following:
1.Unit Interior Doors: Lynden Kingston, Molded, Standard Mineral, Wood Particleboard, Hollow Core, Paint color to be determined; consult with Interior Designer
2.Unit Den Doors: Frosted full panel glass; painted finish color to be determined; consult with Interior Designer.
3.Unit Glass Pantry Doors: Stained frame with frosted logo or film decal.
4.Wood Grain Doors- Traditional French Doors, Poplar, Paint Ovolo Sticking
5.Vector Windows, Envision
6.Provide Power supplies and readers at FOB doors.
7.All unit and public doors to be controlled by a Schlage FOB system. System to also control aluminum storefront entrances. Include all required power supplies and controllers. Include software and handheld system.
8.Schlage BE467 deadbolts at unit entry doors.
9.Not Used
10.Not Used
11. Common and Unit Entry Doors to be Painted Lynden Doors, Kingston, 2 panel solid core molded, at Unit and Common Areas. Hard board doors at openings rated 60 min.
12. Not Used.
13. Include vision kits as indicated on the plans.
14. Not used.
15. Timely knock down metal frames, premium colors
16. Not Used
17. Hardware to be Schlage AL series level, locksets, electric locksets at Community Room, Mail Room, Office, Common Areas, Fitness
18. Not Used
19. Not Used
20. Provide interior window frames, as Timely-Frames. Glass by others.
21. Provide ratings on doors/windows as indicated.
22. Not Used
23. Provide and deliver all items to the jobsite. All doors, frames, and hardware boxes to be labeled for the correct opening.
24. Not Used
25. Not Used
26. Not Used

081313 HOLLOW METAL DOORS and WINDOWS
Timely Prefinished Steel Door Frames, Alumatone SC108.
1. Hollow metal doors and frames.
2. Provide interior window frames as Timely-Frames. Glass by others
3. Provide ratings on doors as shown on the drawings.
4. Provide all door hardware per door hardware schedule.
5. Provide Power supplies and readers at FOB doors.
6. All unit and public doors to be controlled by a Schlage FOB system. System to also control aluminum storefront entrances. Include all required power supplies and controllers. Include software and handheld system.
7. Not Used
8. Not Used
9. Provide and deliver all the items to the jobsite. All doors, frames, and hardware boxes to be labeled for the correct opening.
10. Provide cylinders/keyways for aluminum doors, verify with aluminum door supplier.

083613 Overhead Doors (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide Raynor, with three year warranty.
2. Install power operators with two remotes for each parking stall, and one exterior keypad at each door.
3. Each garage door to have emergency key access.
4. Provide and install raised panel insulated commercial grade overhead doors for drive under garage areas. 3" track, 120K springs and nylon rollers.
5. Drive under parking doors to have a commercial opener and proximity sensers. Each opener is to include a timer to close the door automatically. The opener is to be quiet and be mounted with isolation blocks.
6. Provide premium window kits from manufacturers premium/custom selections.
7. Provide premium manufacturers color options.

SECTION 08 14 36
EXTERIOR DOOR ASSEMBLIES
Provide Pella exterior patio door assemblies. Exterior Patio Door Assemblies:
Operation: Inswing patio doors. Type: Aluminum-clad wood. Performance Class and Grade: Residential. Standard: AAMA/NWWDA 101/I.S.2 - Residential - 20.
Glass and Glazing: Insulating safety glazing. Standard: 16 CFR 1201.Exterior Cladding and Finish: Aluminum, baked enamel finish. Interior Cladding and Finish: Factory finished.

084113 ALUMINUM DOORS (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide and install Kawneer aluminum doors, frames, sidelights, glass, and hardware.
3. Aluminum standard colors for finish.
4. Mirrors in Exercise room. 20 FT x 6 FT tall, with low voltage, LED lighting around perimeter.
6. Interior vestibule door to have electronic strike lock. All exterior doors to be controlled with electronic strike locks and keypad.
7. Caulk around aluminum frames.
8. Provide restroom mirrors and stainless-steel mounting clips.
9. Provide drip cap over all exterior wall openings.
10. Provide hollow metal door supplier with information on the doors so they can supply the lock cylinders for the doors in this section of work. Provide temporary cylinders for construction.
11. Field verify all opening before fabrication of the materials.
12. Furnish equipment and labor necessary to unload and set all material for this bid package.
13. Not Used.
14. All closers to have a 'hold open' feature. Magnetic hold opens connected to fire alarm system at required doors.
15. Provide cylinders/keyways for aluminum doors, verify with aluminum door supplier.

085313 WINDOWS
1. Provide vinyl windows and patio doors as per plan. Provide Vector Envision.
2. ADA thresholds at all Patio and exterior doors.
3. Color: See Elevations
4. Provide window shims, wrap, flashings, all accessories needed for installation, as part of package. Include flexible sill flashing. List price separately.
5. Not Used
6. Ground floor patio doors to have a keyed lock for resident use.

08 71 00 Hardware
Unit Entrance Door Lever & Interior Doors; Schlage Northbrook, Satin Nickel
Common Area Door Hardware: Lever Style for Control Trims L-Contral-Dane 912L/Satin Nickel
Other Common Areas: Schlage/Rhodes/Satin Nickle.
Aluminum Openings-Schlage Cylinder Housing, Cylinder, Controller, Power Supply, HES Electric Strike
See Door Schedules for Hardware Groups
Provide and deliver all items to the jobsite. All hardware boxes to be labeled for the correct opening.
Provide 10 electric strike openings and 5 key pad entry pads.
Barn Door hardware to have brushed nickel finish.
Auxiliary Materials: Provide Knox box for fire emergency keys, model available from the City.
Provide Key Box to accommodate 200 Extra Keys

08 74 00 Access Control Hardware Schlage CT5000 Offline Controller, PS902 2-amp power supply, Schlage Utility Software (SUS) on the Handheld Device (HHD), Schlage Express Offline Access Control Software Capability Matrix

SECTION 08 80 00 GLAZING
Provide glass and glazing.
Warranty: Submit manufacturer's standard warranty. Include labor and materials to repair or replace defective materials.
Laminated Glass: Manufacturer's 5-year warranty.
Coated Glass: Manufacturer's 10-year warranty.
Insulating Glass: Manufacturer's 10-year warranty.
Mirror Glass: Manufacturer's 5-year warranty.
Glazing for Fire-Rated Assemblies: Glazing for assemblies that comply with NFPA 80
Safety Glazing Products: Comply with testing requirements in 16 CFR 1201 and, for wired glass, ANSI Z97.1.
Glazing Publications: GANA Publications: GANA's 'Glazing Manual.' and 'Laminated Glass Design Guide. IGMA Publication for Insulating Glass: SIGMA TM-3000, 'Glazing Guidelines for Sealed Insulating Glass Units.'
Type: Single glass units, tempered at locations as required by Code.
Type: High-performance insulating glass units with low-e coating, tempered at locations as required by code.
Type: Mirror glass units.
Auxiliary Materials: Compression gaskets. Elastomeric glazing sealants. Glazing gaskets. Setting blocks, spacers, and compressible filler rods. Mirror adhesive, top and bottom angles and clips.

09 Finishes
09 7720 DECORATIVE FIBERGLASS REINFORCED WALL PANELS
Marlite Symmetrix SmartSeam FRP panels with Sani-coat Sealer
Fiberglass reinforced thermosetting polyester resin panel sheets complying with ASTM D 5319.
Finishing: BlueSky™ Advanced Finishing System: Spray-applied Sani-coat Sealer covers entire panel including grooves and features water-based coatings and controlled, low-temperature inline curing.
Dimensions: Thickness – 0.090" (2.29mm) nominal Width - 4'-0" (1.22m) nominal Length –10'-0" nominal Square - Not to exceed 5/32" (3.96mm) for 10' (3.0m) panels
Properties: Resistant to rot, corrosion, denting, peeling, and splintering.
Back Surface: Smooth. Imperfections which do not affect functional properties are not cause for rejection.
Front Finish: SYM SS100-G63 White (6" x 3" subway groove configuration)

092900 GYPSUM DRYWALL (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide material, labor, equipment, and supplies for the following.
2. 5/8", USG, gypsum board throughout. Moisture resistant board at tub walls in bathrooms, and at all plumbing fixtures.
3. Installation of all tile backer board.
4. Installation of drywall for draft stopping that is not concealed.
5. Prerock of tubs, mechanical chases, concealed walls, electrical walls, equipment rooms, etc. as required.
6. Tape, sand, and texture (level 4) as per finish schedule. Walls and ceilings to receive a "light orange peel" texture.
7. Tape lines and imperfections shall not show through the paint or work must be corrected.
8. Fire rated and sound rated sealer at top and bottom of walls as required.
10. Drywall returns at all windows, aluminum doors. Use tear away strips at windows and use corner bead at bottom of window.
11. Drywall at windows must be shimmed to assure consistent reveals.
12. Expansion and control joints are to be installed per Gypsum Council recommendations.
13. Fire taping as required.
14. Furnish equipment and labor necessary to unload and set all material for this bid package.
15. GC is to approve finished wall before taping is considered complete.
16. Not Used.

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Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet SPECIFICATION SHEET
CS-103.1

- OF -

17. Include soffits as indicated for exposed mechanical ducts and as indicated in drawings .
18. Provide metal framing for soffits.

09 0 00 TILING
Provide tile: Application: Interior wall tile over gypsum wallboard. Type: Porcelain tile.
Setting Materials: Manufacturers: Custom Building Products; Futura Transitions; LATICRETE International, Inc.; PROFLEX® Products, Inc.; Schluter Systems LP.
Mortar setting bed. Latex additive.
Thin-set mortar. Latex-Portland cement mortar.
Grout. Latex-Portland cement grout.

096516 FLOORING (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide and install carpet, vinyl, ceramic tile, and base per room finish schedule and coordinate with interior designer selections. Flooring package to include all units, public spaces, and indicated in finish schedules.
2. Unit Plush Carpet: Bedrooms and Dens, to be stretched over standard 6 lb. pad (except at Type A Units). Carpet: Dream Weaver/1325 Beach Club 1/4379 Spanish Moss.
3. Lobby Office and Leasing Office: CPT Square 50x50cm Milliken/Free Flow/Quartz/Brush QTZ13.
4. Fitness: CPT J&J Flooring/Kinetex/Pop I816 Verde 1715 border & Flash I818 Verde 1721 inset, with Base: Tarkett Traditional Wall Base/69 Sterling Silver CG.
5. Stairwells: Garage and Main Floor, floors: Rubber flooring and base. 2nd and 3rd floor: CPT Broadloom Philadelphia/Dateline Today 54823/00515 Full Broadcast with wood base.
6. Vestibule and Side Entrances, to receive Walk Off CPT, Milliken/Obex/CutX Contour/CNX27 Grey (walk off). Lobby: Walk Off CPT, Milliken/Obex/CutX Contour/CNX27 Grey (walk off) and LVP Milliken/Plank 7"x48"/Living Connections/East Town-Skyline.
7. 1st, 2nd, and 3rd Floor- VCT flooring- Tarkett Azrock Collection/V-2602 Country Olive and V2616 Lagoon, in all mechanical and storage rooms. Provide vinyl base with concrete in mechanical at main floor, and lower garage.
8. Common rooms/area in Parking garage to receive vinyl base.
9. Units: LVP, Milliken/Plank 7"x48"/Living Connections/12 mil. Kitchen, Living Room, Laundry, & Baths- Area A: East Town District EAS220. Area B: East Town Skyline EAS219.
10. Community room floor to be LVP Milliken/Plank 7"x48"/Living Connections/East Town-Skyline.
11. Standard floor preparation as required; excessive floor prep must be discussed before proceeding. Standard floor preparation involves cleaning the concrete surface to remove contaminants, dust, adhesives, curing compounds, and debris. It may also include patching small holes and minor leveling. Excessive floor preparation includes more involved processes like mechanical scraping of adhesive, applying a sealer to prevent reaction, grinding the subsurface, bead blasting, applying a leveling agent, or leveling the substrate.
12. Provide all vinyl transitions, metal edging, tack strip, fasteners, glue/adhesives, etc. for complete flooring installation.
13. Review with interior designer for coordination
14. Furnish equipment and labor necessary to unload and set all material for this bid section.
15. Provide alternate flooring selections for value engineering.
16. Provide sound pad throughout units.
17. Gathering Space: CPT Milliken/Six Pack 1051/SP5_119-200and SP5_153-25.
18. Provide vinyl base-Tarkett Traditional Wall Base/69 Sterling Silver CG.
19. Mail and Parcel: CPT Squares 50x50cm Milliken/Free Flow/Fog/Brush FOG13.
20. 3rd Floor Sky Lounge: CPT Squares 50x50cm Milliken/6 Pack 101/Sp1_161-198-200 and LVP Milliken/Plank 7"x48"/Living Connections/East Town-Skyline.
21. Trash Room: Garage Level-Epoxy. 1st, 2nd, 3rd Floors: VCT Tarkett Azrock Collection/V-2602 Country Olive and V-2616 Lagoon.
22. Corridors: CPT Planks 25cmx1m Milliken/Free Flow/Fog in Brush 13, CPT Squares 50x50cm Milliken/Free Flow/Foundation in Brush 13. Additional colors in Unit Entrance Alcoves: Lyceum Ultramarine & Verde.
23. Elevator: LVP Milliken/Plank &"x48"/Living Connections/Est Town-Skyline.
24. Bike Storage and Move-in Corridor: VCT Tarkett Azrock Collection/V-2602 Country Olive and V-2616 Lagoon. Base: Tarkett Traditional Wall Base/69 Sterling Silver CG.

099123 PAINTING & WALL COVERING (Material, Labor, and equipment) per plans, specifications, and the following:
1. All priming and painting including but not limited to walls, ceilings, hollow metal doors and frames, pipe bollards, etc.
2. Paint HM doors and frames
3. Paintable caulking around all inside door frames, window frames, and A/C sleeves.
4. Painting to include one tinted primer coat and 1 finish coat. Ceiling: Bright White Sherwin Williams SW7007. All Unit walls to be Sherwin Williams SW7030 Anew Gray. Corridor to have two colors.
Gypsum Drywall Walls and Ceilings: Satin. System: 1 coat latex primer, 1 coat latex finish
Wood for Painted Finish: Satin. 2 coats latex enamel
Wood for Transparent Finish: Satin. System: 1 coat water base sealer
Wood for Stain Finish: Satin. System: 1 coat water base wood stain
Concrete Walls: Satin. System: 1 coat latex primer 1 coat latex finish
Ferrous Metals: Semi System: 1 coat rust-inhibiting primer. 1 coat latex enamel
Galvanized Metal: Semi. System: 1 coat galvanized metal primer. 1 coat alkyd enamel
6. Common space wall color different than ceiling. Include two accent walls in each space.
7. Garage paint walls. Paint stall numbers on wall, for parking spaces. Paint Columns with two colors.
8. Paint 2 Precast/CMU walls in car wash
9. Sand walls after prime coat.
10. All other painting as shown on the plan.
11. Paint gas piping and fire sprinkler lines in the garages.
12. Paint fire sprinkler risers, in the stairwells.
13. Review, with interior designer, for plan details.
14. It is the responsibility of the painting contractor to verify with the superintendent that the taping and wall finish is acceptable before painting begins.
15. Not used.
16. Touch-up pre-finished wood and putty all finish nail holes.
17. Provide Behr Premium concrete stain; color to match adjacent surface, for concrete foundation at drive under garage.

10 Specialties
101423 SPECIALTY ITEMS (Material) per plans, specifications, and the following:
1. Provide Moen "Genta" Series/Brushed Nickle, unit bathroom accessories. To include TP dispenser, towel bar, towel ring, curved shower rod, and hooks (also include those near entry doors).
2. Provide one 18"/36"/42" grab bar set for ADA unit restroom.
3. Provide interior sign package to include Unit numbers, public rooms, mechanical rooms, stair towers, floor directories, etc.
4. Building directory in vestibule.
5. Not Used.
6. Not Used.
7. Exterior signs: Monument sign, see Architectural drawings for details. (See Civil site plan for location)
8. Not Used.

10 55 13 Central Mail Delivery Boxes Florence Corporation Versatile 4C Mailbox Suites. Mailbox in main lobby- sized per drawing layout.

11 Equipment
113100 Residential Equipment (Material, Labor, and equipment) per plans, specifications, and the following:
1. Residential appliances for each unit, common and community rooms, to be Energy Star rated and include the following.
2. Refrigerator- Whirlpool Model : WRS315SNHM. **Refrigerators with ice makers.**
3. Amana AER6603SMS, 5 burner smooth top electric range with self-cleaning ovens.
4. Range with front controls for ADA unit. ADA units to have slide in stove or one to fit 34" high cabinetry.
5. Provide connection cords/hoses for all appliances.
6. Dishwashers, Amana ADB 1400AMS. ADA units to fit underneath 34" countertop height. Provide cords and install kit for granite.
7. Microwave, Amana AMV2307PFS, installed in cabinet. Hood and countertop microwave for ADA units.
8. MagicPak units and sleeves as shown on plan.
9. Appliances to be stainless steel in color.
10. Stackable washer and dryer or side by side as shown in each apartment unit. White in color. Include cords and hoses.
11. Appliances in ADA units to be compliant.
12. Leak tray under washers.
13. Furnish equipment and labor necessary to unload and set all appliances.
14. Whirlpool WRS325SDHZ, refrigerator
15. Hauslane, chef Series Range Hood WM-739, European Style Kitchen Extractor, 30" Contemporary, by Chef Kitch Online, LLC/Houzz.

12 Furnishings
122113 Window Treatment (Material, Labor, and equipment) per plans, specifications, and the following:
1. Heritage 2 in. Aluminum blinds at all windows.
2. Graber G-85 Vinyl Vertical blinds at all patio doors.

13 Special Construction
13 19 19 Animal Washing Tubs- Flying Pig Grooming 50" Stainless Steel Grooming Bathtub, Item #FP701

14 Conveying Equipment
142400 Elevator Systems (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide and install two (2), four-stop, 4 front and 2 rear doors, 3500lb., Schindler elevator. Door opening 42" minimum.
2. Travel speed of 150 feet per minute.
3. Elevator to be machine-room less type.
4. Elevator to be three-phase powered.
5. Verify all dimensions before fabrications.
6. Provide shop drawings and all information on steel support and anchoring required.
7. Not Used.
8. Elevator must have standby emergency power – please coordinate with the electrical design-build contractor.
9. Minimum cab size to accommodate a 24"x84" stretcher, 6'-8" clear width and 5'-6" clear depth.
10. Provide Field installed Vinyl Accent Logo/branding on elevator doors, to be determined by Owner.
11. Exterior Cab doors: E035 Cleveland Stain
12. Interior Cab doors and Front returns: Brushed stainless steel 441
13. Cab Side Walls and Rear Walls: Laminate Long Beach Blue
14. Ceiling and Lighting: 6 LED down light-round spots
15. Cab Ceiling Finish: Stainless Steel 441
16. Handrails: straight rectangular brushed aluminum. Installed on side and rear walls.

14 91 82 two (2) Trash Chute Wilkinson-Hi-Rise 24" Chute, 16 Ga. Trash chute venting must be 4' higher than any adjacent roof/soffit. The vertical venting area must be equal to the cross-sectional area of the chute, after the lid is in place and secured.

210000 FIRE PROTECTION-DESIGN BUILD (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide material, labor, and equipment to install a complete fire suppression system per NFPA 13 requirements. Comply with all state and local code requirements.
2. Install all pipe, fittings, hangers, sprinkler heads, backflow preventer, flow switches, tamper switches, valves, air compressor, etc. required.
3. Install return air plenum sprinkler pipe material where required.
4. Provide standpipe drops at required locations including stairwells.
5. Areas subject to freezing to be protected by a dry system or alternate system and remainder of the building to be protected by a wet system.
6. Provide protection at canopies and decks as required per code.
7. Coordinate with city to obtain a flow test to be used as a basis for your proposal and design.
8. Sound caulk around all areas that material penetrates through sound insulation walls.
9. Fire caulk around all areas that material penetrates through fire rated walls.
10. Before installation of sprinkler system, verify locations with electrician and HVAC contractors to avoid conflicts with their work.
11. Fire Department connection.
12. Furnish shop drawings and product samples for owner approval.
13. Furnish equip and labor necessary to unload and set all material for this bid section.
14. Include all specialty permits, plans and approvals required.
15. Alternate: Cost Deduct to omit sprinkler heads at the decks.
16. White semi-recessed pendant sprinkler and horizontal sidewall sprinkler heads.

220000 PLUMBING-DESIGN BUILD (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide material, labor, and equipment for a complete design/build plumbing system including but not limited to the following.
2. Contractor shall coordinate routing of all piping, ductwork, and equipment to be furnished will fit within the available space.
3. Contractor shall coordinate with other trades for installations.
4. Water meter(s) and valve(s). Provide deduct meter and stub out for lawn irrigation.
5. Gas piping for entire project. (Water heaters, boilers, mechanical units).
6. Install gas line and timers to grills on grade level and one Fire pit, to be located.
7. Dig and compact all plumbing trenches.
8. Water service to be stubbed up above finished floor by site utility contractor.
9. Pipe insulation on all supply lines and per code.
10. Install blocking as required for fixtures or equipment.
11. Caulk around plumbing fixtures.
12. Water piping materials to meet code specifications.
13. Waste, drain, and venting to be schedule 40 PVC.
14. All plumbing fixtures including but not limited to sinks, faucets, water closets, laundry tubs, bathroom tubs, drinking fountain, and accessories.
15. 3 Bed 2 Bath Units Kitchen Sink: Houzer BCD-3322, Bellus 33" Double Basin Drop In 18 Gauge Stainless Steel Kitchen Sink w/ 60/40 Split, Gasket Strainer and basin rack.
18. Unit Kitchen faucets to be gooseneck faucets with pull out spray option: Phister G529-PF2S, Stainless Steel.
or similar.
19. Remaining Unit Kitchen Sinks, except Type A Unit: Kraus KTM32, 33-1/8" Drop In 60/40 Doble Bowl 18 Gauge Stainless Steel.
20. Drinking fountain in corridor to also have bottle fill station.
21. Provide floor drains in the mechanical room and where required by code.
22. Coordinate floor drain elevation with flooring contractor, concrete contractor, and GC superintendent.
23. Toilets are to be tank type (High-Efficiency 1.28 gpf) Mansfield (ADA compliant) or equal.
24. Cultured marble/quartz/granite tops in these areas sinks and tops supplied by others.
25. Fiberglass bathtubs with integral fiberglass surrounds. (Handicapped per plans.) Salo brand with backing, Unit Shower Kits: Pfister Pfirst LJ89-030-K valve, Diverter Tub Spout, showerhead, and associated trims, Brushed Nickle. Unit Baths: Phister LF-142-800K, Brushed Nickle. 26. Fiberglass showers with glass shower doors where shown on the drawings. (if applicable)
28. All valves shall be tagged and labeled.
29. All piping shall be labeled.
30. Sump pump for elevator pit and drain.
31. Gas hot water heaters to be sized for the building use, vent as required.
32. Reticulating pumps to be installed on hot water mains. Mains to run on first floor and unit plumbing is to be stacked.
33. Washer hoses at laundry.
34. Water supply boxes for refrigerators.
35. Installation of commercial grade exterior hose bibs.
37. Car Wash. Gas-fired instantaneous water heater to serve - hot and cold with timer which includes two (2) 24-volt solenoid values, a 15-minute timer and a Woodford 67C freeze proof hose bib (hot, cold).
38. Water supply to dog wash station.
39. Review plans with interior designer, for details.
40. All water piping, drains, piping, and vent piping.
41. Plumbing modifications to accommodate addition of future water softener. Provide Alternate.
42. Provide radon venting per plan. (not required at drive under parking)
44. Install return air plenum sprinkler material where required.
45. Sound caulk around all areas that material penetrates through sound insulation walls.
46. Fire caulk around all areas that material penetrates through fire rated walls.
47. No plastic piping shall penetrate fire rated walls.
48. Provide condensate drains as required for mechanical and refrigeration equipment.
49. Verify with GC, Project Manager, and architect plans on any chases required before project begins.
51. Certified drawings for approvals.
52. All permits and approvals required.
53. Submittals.
54. Furnish equipment and labor necessary to unload and set all material for this bid package.
55. Community Room, Gathering, Sky Lounge, Type A Unit Kitchen Sink: Elkay ELDSSF36279DBG, Dart Canyon 32-7/8", Farmhouse Single.
56. Common Area Bar Sink, Kohler K-8223-CM4 Cairn 15-1/2" Undermount Single Bowl.

230000 HVAC-DESIGN BUILD (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide material, labor, and equipment for a complete design build HVAC system including but not limited to the following.
2. Contractor shall familiarize themselves with the Architectural, Structural, and civil plans.
3. Contractor shall coordinate routing of all piping, ductwork, and equipment to be furnished will fit within the available space.
4. Magicpak heating/cooling system in apartment units and other locations, with 24-volt thermostats.
6. Thru wall AC units by others.
7. Boilers to be high efficiency (Laars Brand or similar) plus with temperature controls, gas piping, and venting. Supply intake grille with dampers. (If applicable)
8. Cabinet unit heater and thermostat in the vestibule and stairwells (Hot water).
9. Forced air furnaces, air conditioning, and ventilation for public spaces and corridors. Include conditioning of stairwells. (Daikin brand or similar)
10. Unit heaters and exhaust system at interior garage areas. (Unit heaters Reznor or similar)
11. Unit heater and exhaust in car wash area.
13. Exhaust ducting for dryers, include exterior louvers to match siding colors.
14. Insulated supply ductwork throughout.
15. Provide and install ceiling mount and back draft damper for the elevator. Size as required.
16. Radiation dampers and fire dampers as required.
17. Provide and Install low-sone bath fans (approximately 1.5 Sones) exhausted to the exterior. Provide bath timer so fans DO NOT run 24/7.
19. Certified engineered mechanical plans.
20. All supply and return ductwork as required. Insulated as required, condensate drain piping, fire dampers if required, dampers, louvers, supply and return grilles, registers, etc.
21. Proper venting for any equipment being used.
22. Provide flashing and/or sealants at building envelope penetrations.
23. Cover the ends of the ductwork during construction to help control the dust entering inside.
24. Provide rough-openings w/in one week of being awarded contract with all required rough openings.
25. Inform superintendent of areas that drywall should be installed before HVAC rough in due to minimal space.
26. Install return air plenum material where required.
27. Sound caulk around all areas that material penetrates through sound insulation walls.
28. Fire caulk around all areas that material penetrates through fire rated walls.
29. Certified drawings for approvals.
30. Include all permits, inspection fees, and approvals as required.
31. Furnish equipment and labor necessary to unload and set all material for this bid package equipment.
32. Provide air handlers to provide fresh air into each apartment unit. Provide continuous running or two-stage bath fan to balance supplied air. Bath fans must be low-sone.

260000 ELECTRICAL- DESIGN BUILD (Material, Labor, and equipment) per plans, specifications, and the following:
1. Complete design-build electrical package including but not limited to the following:
2. Contractor shall familiarize themselves with the Architectural, Structural, and civil plans.
3. Contractor shall coordinate routing of all piping, wiring, and equipment to be furnished will fit within the available space
4. Temporary electrical service. Provide temporary distribution panel(s) and banks of outlets on each floor. Temporary outlets to be circuited to allow ample power to accommodate fans, heaters, and power tools. Connect power to job site trailer. Provide OSHA compliant temporary lighting for the duration of construction.
5. Provide one pole light to be located by jobsite trailer and temporary site lighting to be mounted on the building once building is framed. To be controlled by a photo eye.
6. Coordination with the electric company for service install and transformer location.
7. Provide all service and distribution equipment, electrical panels, sub-panels, and breakers.
8. Each unit is to be metered separately and one house meter. Include breaker locks to each meter socket and to main switch gear.
9. Breaker panel labels shall be typed.
10. Wiring to mechanical equipment. Including low voltage.
11. Wiring to apartment elevator system.
12. Furnish equipment and labor necessary to unload and set all material for this bid package.
13. Wire power supplies for FOB access control. Exterior doors to have Schlage electronic locks that are controlled by the FOB system.
14. Wire Magic Pak HVAC and thru wall AC units (If applicable).
15. Wall packs may be used on the building to accommodate site lighting. All site lighting must meet city requirements.
16. Site lighting to maintain a minimum of 1 FC with no areas having less than .5 FC's. Locations of lights shown on the building elevations are for design intent. Conduct a lighting analysis. Provide one receptacle per light pole.
17. Provide 12 lamp posts with decorative fixture for path lighting.
18. Install light poles on entrance road to provide lighting at drive.
19. Wire monument sign. (see site plan)
20. Garage to receive duplex wall receptacle and power for overhead door operator.
21. Detached garages.
22. All exterior lighting controlled with photocell and time clock override.
23. Outlet in units to be per code. Include two switched outlets in each living room space.
24. Provide (1) outlet with (2) USB charger in each kitchen, bedroom, and den (for studios add by bed)
25. Decorative light fixtures, coordinate/review with interior designer, in units where a table is shown there should be an additional light fixture figured in that location. Listed under lighting allowance.
26. Include surface mounted LED light fixtures in mechanical rooms.
27. Any public room lighting to be controlled with motion sensor.
28. Corridor, Common Area, and Unit Ceiling lighting to be LED disk lights, coordinate/review with interior designer.
29. All electrical material and wiring are to be rated for its use.
30. Identify switch locations on submittal drawings.
31. Wire electric fireplaces in common areas. (See Plans)
32. All exit, emergency lighting, and exterior egress remote head, with battery back-up, as required.
33. Review and coordinate with interior designer, for details.
34. Complete fire alarm system including but not limited to, smoke detectors, panel at entry, manual pulls, flow and tamper monitors, duct detectors and remotes, sounder bases and detectors, strobes, horn strobes as required by code.
35. No back-to-back electrical fixtures or receptacles to help control noise from room to room.
36. Provide design build lighting and locations on plans.
37. Sound caulk around all areas that material penetrates through sound insulation walls.
38. Fire caulk around all areas that material penetrates through fire rated walls.
39. Install all blocking for electrical work.
40. Certified plans for approvals.
41. Electrical permit and approvals as required.
42. Submittals.
43. All other electrical work not shown on the drawings.

270000 Communications
1. Provide and install a call system from the vestibule to each individual unit with electronic lock control of interior vestibule door.
2. Wire phone system for building and terminated in 1st floor mechanical room. Include a phone jack in each kitchen area and one per bedroom. Phone lines are to be terminated into punch down blocks in the mechanical room. (1) Media panel in each unit with 1 20-volt receptacle, 1 run back to central location.
3. Provide CAT 6 wiring for cable and internet service. Provide to locations in each living room area and one per bedroom. All pulled back and terminated in 1st floor mechanical room. One Cat 6 home run per unit, terminate in wall patch panels.
4. Alternate Price: Provide analog camera system with 24 cameras, DVR, and monitor.
5. Sound caulk around all areas that material penetrates through sound insulation walls.
6. Fire caulk around all areas that material penetrates through fire rated walls.
7. Install all blocking for electrical work.

28 Electronic Safety and Security

310000 Earthwork
(Material, Labor, and equipment) per plans, specifications, and the following:
1. Contractor shall familiarize themselves with the Architectural, Structural, and civil plans.
2. Review soil boring reports and follow recommendations as required.
3. Clear, grub, and remove organic topsoil from the building, parking, and drive areas. Stockpile, redistribute, and rough grade at landscape areas. Import/export topsoil as required.
4. Use black dirt where possible to exchange excess topsoil for fill material.
5. Provide sand cushion below all concrete slabs.
6. Complete any recommended soil corrections per GC testing agencies report.
7. Backfill back edge of concrete curb and bituminous pavement.
8. Excavate, backfill, and compact for footings and foundation, detached garages, and dumpster enclosures.
9. Excavate and final grade drainage ponds. Seed and blanket slopes for stabilization as required per civil plan.
10. Install berm per plan along property lines. Seed and blanket slopes for stabilization as required per civil plan.
11. Final grade for the building slab, exterior concrete, parking lot, drives, and site grade contours. Import/Export fill material as required.
12. Prep for curb and gutter, sidewalks, and slabs.
13. Prep for concrete slab at sport court.
14. Install pea rock to dog run area.
15. Provide per yard unit pricing to import or export fill material and topsoil material; in case any changes are made to the final civil drawings or contaminated soils are encountered. Unit price is to be figured placed and compacted.
16. Unit pricing for possible buried concrete and buried rubble if needed to be removed.
17. Import or export material as required to meet new site elevations.
18. Install and maintain temporary erosion/sediment control and utility protection until project is complete. Includes silt fence and rock construction entrance.
19. Provide, Install, and maintain safety fence and/or barricades at open excavations.
20. Interior and exterior concrete slabs are to receive a 6" compacted granular base.
21. Install rock that meets radon mitigation requirements under entire 'livable', first floor, units (Omit if drive under parking is planned for-provide sand cushion under garage areas)
22. Install drain tile and sump basket for elevator pit. Sump basket to be in mechanical room. Basket depth to be approximately 7'. (verify with GC)
23. Removal of temporary erosion/sediment control, and utility protection at the completion of project.
24. Provide concrete washout areas.
25. Any required temporary seeding and erosion control blanket.
26. No change orders will be allowed for importing or exporting material unless required due to architect/engineer revisions.
37. Use shallow footing detail, as allowed, for interior footings, unless noted otherwise.

32 Exterior Improvements

321216 PAVING (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide, place, and compact granular base at both Heavy Duty and Light Duty pavement sections.
2. Sweep lot and apply tack coat between lifts.
3. Temporary barricades in this area during paving work as required.
4. Parking lot striping and markings, color is to be selected by owner.
5. Install required handicap parking signs.
6. Provide price to install striping and markings in garage areas.
7. Provide alternate to patch asphalt where utility work occurs in existing asphalt.
8. Saw cut existing bituminous at any existing paving as required for a clean transition.

321313 SITE CONCRETE (Material, Labor, and equipment) per plans, specifications, and the following:
1. Concrete curb and gutter as shown on the plan.
2. Provide driveway aprons on property and adjacent roadways, as required.
3. 4" thick sidewalks and courtyard walking trail. Sidewalks to be thickened edge and curb faced where required.
4. 4" thick concrete sport court, dog run (1/8"/foot, positive slope, midway, each direction).
5. 4" thick with thickened edge concrete for main patio. To be stamped and colored with multi-step coloring system.

323113 FENCING (Material, Labor, and equipment) per plans, specifications, and the following:
1. 6' Tall chain link fence with black vinyl coating to be installed at dog run area. Include an approximately 8' x 8' enclosure that will separate the entrance gate from the remainder of the run. There will be another gate from this enclosure to the dog run. Total of (2) gates.

329200 LANDSCAPING (Material, Labor, and equipment) per plans, specifications, and the following:
1. Provide all trees, shrubs, mulch, weed barrier, edging, sod, seed, and erosion blankets/mulch.
2. Fine grade all areas to receive landscaping, and sod.
3. 3', minimum, rock (3/4" limestone) border around the perimeter of the building.
4. Plantings per the landscape plan.
5. Do not include any Flexamat Material. Install Category 3 erosion control blankets.
6. Any wash out areas are to be corrected as required to meet plan requirements.
7. Maintain work per the specification requirements.
8. Install SOD on entire site, except for the retention pond. Alternate price per SY to reduce to seed.
9. Install a complete irrigation system for all new plantings, grass, and sod. Irrigation system to cover pond slopes and ditch areas.
10. Install all sleeves as required for irrigation system before concrete and bituminous is in place.
11. Landscaping is included in any boulevard areas and ditch area in road right-of-way.
12. **Fire pit and grilling areas to be gas, hard piped.**
13. Submit irrigation and landscape plans for approval.
14. Provide shop drawings and cut sheets on layout and materials being used for approval by the GC.
15. Furnish equipment and labor necessary to unload and set all material for this bid section.

330000 SITE UTILITIES (Material, Labor, and equipment) per plans, specifications, and the following:
1. Installation of all new site utilities per plans. Work must meet city requirements
2. Contractor shall familiarize themselves with the Architectural, Structural, and civil plans
3. Install Sanitary Sewer connection brought within 5' of building foundation. Coordinate with mechanical/plumbing contractors.
4. Install water service and split outside of building foundation for fire sprinkler
system and Domestic water. Water service to be brought inside the building 18" above finished floor
5. Not used.
6. Demolition and patching of all parking lots and roads as required for installation of new utilities. Streets repairs must meet City requirements. Traffic control as needed.
7. Install tracer wire at all utilities.
8. Provide and Install Storm sewer structures and pipe.
9. Provide and Install area drains, piping, TOA system with perforated pipe per layout.
10. Pumping and dewatering if required.
11. Cleanouts per plan and code requirements.
12. Insulation over pipes as required.
13. Any additional utility works the city may require shall be brought up during the bidding phase.
14. Pressure testing and chlorinating lines as required.
15. All permits required.
16. Furnish equipment and labor necessary to unload and set all material for this bid package.

MAHLER & ASSOCIATES
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Sauk Rapids, MN 56379
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EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet SPECIFICATION SHEET
CS-103.2

GENERAL STRUCTURAL NOTES:

1. THE GOVERNING BUILDING CODE IS THE MINNESOTA STATE BUILDING CODE 2020 EDITION AS APPROVED AND AMENDED BY THE CITY OF ST CLOUD, MN.
2. CONTRACT DOCUMENTS INCLUDE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR OTHER SUBMITTALS BY THE CONTRACTOR.
3. CONTRACTOR SHALL CROSS VERIFY ALL CONTRACT DOCUMENTS, ELEVATIONS, DIMENSIONS, AND EXISTING CONDITIONS PRIOR TO STARTING WORK. DISCREPANCIES OR CONFLICTS SHALL BE NOTED TO THE EOR IMMEDIATELY FOR REMEDIATION. SPECIFIC NOTES AND DETAILS SHALL PRESIDE OVER GENERAL NOTES AND SPECIFICATIONS.
4. THE DIMENSIONS, LOCATIONS, AND DETAILS SHOWN ON THE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF THE DRAWINGS BEING ISSUED. DEVIATIONS WHICH ARE NECESSARY OR WHICH CONFLICT SHALL BE REPORTED TO THE EOR. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR DEVIATIONS NOT APPROVED BY THE EOR.
5. COSTS OF ADDITIONAL DESIGN WORK DUE TO THE SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSION IN CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. THE STRUCTURAL DRAWINGS REFLECT THE COMPLETED STRUCTURE. BRACING, SHORING, AND PROTECTION DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURE SHALL NOT BE LOADED WITH CONSTRUCTION MATERIALS AND EQUIPMENT THAT EXCEEDS THE DESIGN LOADS.
7. PENETRATIONS NOT SHOWN ON THE DRAWINGS MUST BE APPROVED BY THE EOR BEFORE PLACING THROUGH STRUCTURAL ELEMENTS. CONTRACTOR SHALL PROVIDE A CAST-IN SLEEVE FOR ALL HORIZONTAL ELEMENTS THAT EXTEND THROUGH FOOTING AND FOUNDATION WALL, SUCH AS DRAIN TILE, CONDUIT, PIPING, ETC. COORDINATE SLEEVES WITH EOR. SEE MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR ALL PENETRATIONS AND EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
8. CONTRACTOR TO VERIFY ALL WEIGHTS, LOCATIONS & DIMENSIONS OF MECH. EQUIPMENT SHOWN AND NOTIFY THE EOR OF ANY DISCREPANCIES. COORDINATE THIS INFORMATION WITH ALL NECESSARY INDIVIDUALS.
9. PERIODIC SITE OBSERVATION BY REPRESENTATIVES OF SANDMAN STRUCTURAL ENGINEERS IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DRAWINGS. A LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE REVIEW OF THE EOR.
10. SEE THE FOLLOWING DETAILS FOR STANDARD DETAILS:

    CIP CONCRETE & FOUNDATION: 1/S301
    STRUCTURAL STEEL: 1/S430
    CMU: 1/S302
    WOOD FRAMING: 1/S410

SHOP DRAWING & DEFERRED DESIGN SUBMITTAL NOTES:

1. CONTRACTOR TO FURNISH COMPLETE AND DETAILED SHOP DRAWING & SUBMITTALS FOR REVIEW AND APPROVAL BY THE EOR. THE FOLLOWING ARE REQUIRED FOR THIS PROJECT.

SHOP DRAWING OR SUBMITTAL	NOTES/COMMENTS
CONCRETE MIX DESIGNS	BY 3RD PARTY TESTING AGENCY
CONCRETE REINFORCEMENT	-
STRUCTURAL & MISC. STEEL	-
CMU, MORTAR, & GROUT MATERIAL SPECS	-
CMU REINFORCEMENT	-
PRECAST/PRESTRESSED CONCRETE	DEFERRED SUBMITTAL: SEE NOTE #4
LUMBER MATERIAL GRADE & DOWEL-TYPE FASTENERS	-
METAL PLATE CONNECTED WOOD TRUSSES	DEFERRED SUBMITTAL: SEE NOTE #4
ALUMINUM FRAMING ASSEMBLIES	DEFERRED SUBMITTAL: SEE NOTE #4
HANDRAILS AND GUARDRAILS	DEFERRED SUBMITTAL: SEE NOTE #4
ELEVATOR	PROVIDE LOADS @ STRUCTURAL SYSTEM
SIMPSON STRONG-TIE ANCHOR TIEDOWN SYSTEM	-

2. CONTRACT DRAWINGS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. ALL SHOP DRAWINGS MUST BEAR THE REVIEW STAMP OF THE CONTRACTOR BEFORE THEY ARE REVIEWED BY THE EOR.
3. SHOP DRAWINGS SHALL SHOW ALL FIELD DETAILS AND ADDITIONAL INFORMATION NEEDED FOR THE CONTRACTOR TO CONSTRUCT THE BUILDING PER THE CONTRACT DOCUMENTS.
4. STRUCTURAL COMPONENTS/SYSTEMS DESIGNATED AS A "DEFERRED SUBMITTAL" OR AS "DELEGATED DESIGN", "DESIGNED BY OTHERS", OR "PRE-ENGINEERED" MUST INCLUDE A CALCULATION PACKAGE THAT IS STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE STATE THE PROJECT WILL BE CONSTRUCTED, PRIOR TO SUBMITTAL FOR APPROVAL TO THE EOR.
5. SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING TIMES OF INSPECTION AND SHALL BE CLEARLY INDICATED THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE EOR.
6. REVIEW OF SUBMITTALS AND SHOP DRAWINGS BY THE EOR DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR THE ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
7. ALL HANDRAIL AND GUARDRAIL SYSTEMS SHALL BE DESIGNED TO RESIST ASCE-7 CHAPTER 4 DESIGN LOADING CRITERIA AND TO TRANSFER THESE LOADS THROUGH THE SUPPORTS TO THE STRUCTURE.

DESIGN CRITERIA/DESIGN LOADS:

SNOW LOAD DESIGN CRITERIA			
GROUND SNOW LOAD	Pg	50 PSF	-
SNOW IMPORTANCE FACTOR	Is	1.0	-
EXPOSURE FACTOR	Ce	1.0	-
THERMAL FACTOR	Ct	1.1	TYPICAL
THERMAL FACTOR	Ct	1.2	CANOPY
SLOPED ROOF FACTOR	Cs	1.0	TYPICAL/CANOPY

ROOF DESIGN LOADS			
LOAD TYPE	NOTATION	LOAD	NOTES
SNOW LOAD	S	38.5 PSF	TYPICAL (Ps)
SNOW LOAD	S	42 PSF	CANOPY (Pf)
LIVE LOAD	RLL	20 PSF	-
DEAD LOAD	D	20 PSF	D TC = 12 PSF D BC = 8 PSF

FLOOR DESIGN LOADS				
FLOOR	DESCRIPTION	DEAD LOAD (D)	LIVE LOAD (L)	NOTES
1ST	TYP RESIDENTIAL	95 PSF*/135 PSF**	40 PSF***	-
1ST	STAIRS/LANDINGS/ CORRIDOR/ PUBLIC AREAS / COMMUNITY SPACE	95 PSF*/135 PSF**	100 PSF	-
1ST	ELECT/MECH/ TRASH/STORAGE	95 PSF*/135 PSF**	80 PSF***	-
2ND-3RD	TYP RESIDENTIAL/ CORRIDORS	26 PSF	40 PSF***	D TC = 18 PSF D BC = 8 PSF
2ND-3RD	STAIRS/LANDINGS/ PUBLIC AREAS / COMMUNITY SPACE	26 PSF	100 PSF	D TC = 18 PSF D BC = 8 PSF
2ND-3RD	ELECT/MECH/ TRASH/STORAGE	26 PSF	80 PSF***	D TC = 18 PSF D BC = 8 PSF
1ST-3RD	BALCONIES	SELF-WEIGHT	60 PSF	TOP LEVEL BALCONIES DESIGN FOR: S = 105 PSF WIND UPLIFT = 15 PSF (SERVICE)

*D BREAKDOWN (8" H.C.) = 60 PSF H.C. + 25 PSF CONCRETE TOPPING + 10 PSF S.I.
**D BREAKDOWN (12" H.C.) = 100 PSF H.C. + 25 PSF CONCRETE TOPPING + 10 PSF S.I.
***DENOTES LIVE LOAD IS REDUCIBLE PER ASCE 7

WIND LOAD DESIGN CRITERIA			
ULT. DESIGN WIND SPEED	V-ult	109 MPH	-
NOMINAL DESIGN WIND SPEED	V-asd	84.4 MPH	-
RISK CATEGORY	-	II	-
EXPOSURE CATEGORY	-	C	-
INTERNAL PRESSURE COEF.	GCpi	+/- 0.18	-
C & C BASE PRESSURE	qh - ult	27.1 PSF	-
END ZONE WIDTH	a	6.5 FT	-

EQUIVALENT LATERAL EARTH PRESSURES			
SOIL	TYPE	PRESSURE	NOTES
PER GEOTECH REPORT	AT REST	55 PCF	USED FOR BASEMENT WALL DESIGN

REFER TO GEOTECHNICAL REPORT FOR BACKFILLING REQUIREMENTS. SOIL RETAINING/BASEMENT WALLS ON PROJECT HAVE NOT BEEN DESIGNED TO WITHSTAND HYDROSTATIC PRESSURE. PROVIDE DRAIN TILE SYSTEM & DRAIN PATH ALONG BACKSIDE OF WALL TO RELIEVE HYDROSTATIC PRESSURE. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

ESTIMATED WOOD BUILDING SHRINKAGE		
WOOD LEVEL	LEVEL SHRINKAGE	CUMULATIVE SHRINKAGE
3RD	.164"	.648"
2ND	.239"	.484"
1ST	.245"	.245"

ESTIMATED SHRINKAGE VALUES ASSUME ALL MEMBERS HAVE A MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION AND 10% IN FINAL STATE.

THESE VALUES HAVE BEEN PROVIDED FOR CONSIDERATION IN DESIGN AND DETAILING OF BUILDING SYSTEMS SENSATIVE TO SHRINKAGE.

INSTALLATION OF MEP SYSTEMS ARE TO TAKE IN CONSIDERATION THE ESTIMATED SHIRNKAGE OF THE WOOD STRUCTURE.

G.C./OWNER HAS CHOSE TO USE CMU SHAFTS THROUGH WOOD STRUCTURE. DUE TO DIFFERENTIAL SHIRNKAGE BETWEEN MATERIALS, FINISHES @ INTERFACE MAY REQUIRE REPETATIVE MAINTANCE.

FOUNDATION NOTES:

1. FOOTINGS ARE DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 3000PSF FOR STRIP FOOTINGS AND 3000PSF FOR PAD FOOTINGS. THE ASSUMED ALLOWABLE SOIL BEARING PRESSURE SHALL BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER AT TIME OF CONSTRUCTION.
2. ALL FILL UPON WHICH FOUNDATION ELEMENTS BEAR OR RELY UPON FOR CONFINING RESISTANCE AND/OR LATERAL SUPPORT; SHALL BE DESIGNED, SPECIFIED, AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER. THESE SITUATIONS INCLUDE, BUT ARE NOT LIMITED TO, SITE GRADING, OVER EXCAVATION FILL, UTILITY TRENCHES, ETC.
3. TEMPORARY AND PERMANENT SLOPE STABILITY OF UNDERLYING SOILS SUPPORTING THE CONSTRUCTION AND STRUCTURE IS THE RESPONSIBILITY OF A QUALIFIED GEOTECHNICAL ENGINEER. DESIGN OF THE ABOVE AND BELOW GRADE STRUCTURAL ELEMENTS AND SYSTEMS INDICATED ON THE STRUCTURAL DRAWINGS ASSUME THAT SLOPE STABILITY CONCERNS DO NOT EXIST. DESIGN AND SERVICEABILITY CONSIDERATION HAVE NOT BEEN INCORPORATED FOR DIFFERENTIAL VERTICAL AND/OR LATERAL DISPLACEMENT OF THE SOILS SUPPORTING THE STRUCTURE DUE TO SLOPE INSTABILITY.
4. UNLESS SPECIFICALLY PRESCRIBED IN A GEOTECHNICAL REPORT, BACKFILL ABOVE THE BOTTOM OF FOOTING ELEVATION AGAINST FOUNDATION WALL OR RETAINING WALL SYSTEMS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAX DENSITY (ASTM D698-00A). MOISTURE CONTENT AT THE TIME OF COMPACTION SHOULD BE -1% / +3% OF OPTIMUM. GRADATION OF FILL MATERIAL SHALL HAVE LESS THAN 12% PASSING THE #200 SIEVE.
5. PROTECT FOOTING EXCAVATIONS FROM WATER, MOISTURE, OR FROST INFILTRATION. PRIOR TO PLACEMENT OF FOOTING CONCRETE, CLEAN FOOTING EXCAVATIONS OF SNOW, WATER, MUD, DIRT, AND DEBRIS. DO NOT PLACE FOOTINGS OR BACKFILL ON FROZEN SUB GRADE.
6. FROST COVER FOR FOOTINGS SHALL BE PER RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. SEE PLAN FOR TOP OF FOOTING ELEVATIONS AND DETAILS FOR FOOTING STEP REQUIREMENTS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE EOR IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT EXIST ON SITE.
8. BACKFILL & COMPACTION SHALL BE INSPECTED AND TESTED BY A LICENSED GEOTECHNICAL ENGINEER OR QUALIFIED FIELD TECH. THE SUBMITTAL OF TESTING REPORTS SHALL BE PER SPECIAL INSPECTION REQUIREMENTS.
9. BACKFILL SHALL BE COMPACTED BY MECHANICAL MEANS. WATER INFILTRATION SHALL NOT BE ALLOWED. BACKFILL SHALL BE PLACED IN ALTERNATING LIFTS ON EACH SIDE OF THE FDN WALLS FOR STABILITY.
10. WALL FOOTINGS ARE TO BE CENTERED ON WALLS UNO PAD FOOTINGS ARE TO BE CENTERED ON COLUMNS UNO.
11. CONTRACTOR TO COORDINATE INTERIOR & EXTERIOR TOP OF FOOTINGS WITH MEP CONTRACTORS. PRIOR TO START OF CONSTRUCTION. PLUMBING TO BE ROUTED ABOVE FOOTINGS UNLESS APPROVED BY EOR. FOOTINGS MAY NEED TO BE LOCALLY LOWERED TO ACCOUNT FOR ADJACENT PLUMBING LINES OR BASINS THAT COULD UNDERMINE SUPPORTING SOIL ALONGSIDE OR BELOW FOOTINGS.
12. IF SHOWN ON FOUNDATION PLAN, DRAIN TILE IS FOR GRAPHICAL REPRESENTATION ONLY. SIZE AND LAYOUT TO BE CONFIRMED WITH MEP CONTRACTOR AND CIVIL DRAWINGS.

CONCRETE AND STEEL REINFORCEMENT NOTES:

1. CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO AMERICAN CONCRETE INSTITUTION (ACI) CODES AND SPECIFICATIONS, LATEST EDITION.

    ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
    ACI 315 "DETAILS & DETAILING OF CONCRETE REINFORCEMENT"
    ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
    ACI 306R "COLD WEATHER CONCRETING"

2. CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTHS REQUIRED (28 DAY):

FOOTINGS	4000 PSI*	PIERS / COLUMNS	4000 PSI
FOUNDATION WALLS	4000 PSI*	INTERIOR SLABS	4000 PSI
ABOVE GRADE WALLS	4000 PSI*	EXTERIOR SLABS	4500 PSI**
PRECAST TOPPING	4000 PSI*		

    *MAX W/C RATIO OF 0.55
    **MAX W/C RATIO OF 0.45. MIX DESIGN TO BE AIR ENTRAINED PER ACI TABLE 19.3.3.1

3. SUBMIT CONCRETE MIX DESIGN & STRENGTH DATA TO EOR FOR APPROVAL. ALL ADMIXTURES ARE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER'S ENGINEER.
4. CAST-IN-PLACE CONCRETE SHALL BE SUBJECT TO TESTING BY AN INDEPENDENT TESTING LABORATORY, SEE SPECS AND SPECIAL INSPECTION REQUIREMENTS.
5. ALL CONCRETE SHALL BE PLACED PER ACI & THOROUGHLY CONSOLIDATED BY MEANS OF A VIBRATOR, PARTICULARLY AROUND REINFORCEMENT STEEL AND CORNERS OF FORM WORK.
6. REINFORCING STEEL SHALL BE GRADE 60 DEFORMED, BILLET-STEEL, ASTM A615, UNO.
7. WELDED REINFORCING STEEL SHALL BE GRADE 60, LOW CARBON, ASTM A706, WHICH IS SPECIALLY MANUFACTURED TO BE WELDABLE.
8. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A82 AND A185 STANDARDS AND SHALL BE PLACED IN THE CENTER OF THE SLAB, UNO. LAP JOINTS A MINIMUM OF 6". EXTEND FABRIC TO BE WITHIN 1" OF SLAB EDGES.
9. PROVIDE ADEQUATE BOLSTERS, HIGH CHAIRS, SUPPORT BARS, ETC TO MAINTAIN THE SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING STEEL AND WELDED WIRE FABRIC.
10. PROVIDE EXTRA REINFORCEMENT AROUND ALL OPENINGS GREATER THAN 8" SQUARE OR ROUND. PROVIDE (2) #5 BARS @ 3" OC FOR EACH MAT OF BARS, AT EACH SIDE AND CORNER OF OPENING EXTENDING MINIMUM 18" PAST CORNER OF THE OPENING. PLACE 2" CLEAR FROM OPENING.
11. SEE DETAILS FOR REINFORCING LAP SPLICE SCHEDULE, UNO ON PLAN OR DETAILS.
12. CAST DOWELS, WITH STD 90 DEGREE HOOK, IN FOOTINGS FOR CONCRETE PIERS AND WALLS ABOVE. DOWELS SHALL BE THE SAME SIZE AND QTY AS THE VERTICAL REINFORCING (UNO).
13. EXTERIOR SLABS SHALL DRAIN FREELY AWAY FROM THE BUILDING. SEE CIVIL AND ARCH. DRAWINGS FOR ELEVATIONS AND SLOPES.
14. CONTROL SAWCUT JOINTS ARE TO BE EXECUTED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATE FROM DISLODGING BY SAW AND PRIOR TO SHRINKAGE STRESS CRACKING. SEE DETAIL 1/S301 FOR SLAB CONSTRUCTION JOINTS (CCJ) AND FOR SLAB CONTROL JOINTS (CJ). CONTRACTOR SHALL SUBMIT A PROPOSED JOINT LAYOUT TO ARCHENG FOR APPROVAL PRIOR TO SLAB PLACEMENT.
    A. CONTROL JOINTS SHALL BE ON COLUMN LINES AND @ RE-ENTRANT CORNERS TO THE GREATEST EXTENT POSSIBLE WITH SPACING LESS THAN 12'-0" OC BETWEEN.
    B. CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO ALLOW A SINGLE SLAB POUR TO EXCEED 4000 SQUARE FEET UNLESS ALTERNATE MEASURES ARE TAKEN TO CONTROL SLAB CURLING & SHRINKAGE.
    C. PROVIDE CJ OR CCJ JOINTS SO AS NOT TO EXCEED A SLAB UNIT ASPECT RATIO OF 1.5:1.
15. SYNTHETIC FIBERS, WHERE SPECIFIED ON PLAN FOR SLAB-ON-GRADE APPLICATIONS, TO BE MICROFIBER TYPE AND COMPLY WITH ASTM D7508 FOR USE IN PRODUCING TYPE III SYNTHETIC FIBER-REINFORCED CONCRETE MEETING THE REQUIREMENTS OF ASTM C1116 & ACI 544. MICROFIBER PERFORMANCE INTENT IS FOR REDUCTION OF PLASTIC SHRINKAGE CRACKS ONLY. MICROFIBERS ARE NOT INTENDED TO PROVIDE SECONDARY REINFORCEMENT FOR HARDENED CONCRETE CRACK CONTROL. HARDENED CONCRETE CRACK CONTROL TO BE ACCOMPLISHED BY USING ACI RECOMMENDED PRACTICES FOR MIX-DESIGN, PLACEMENT, CURING, AND CONTROL JOINT PLACEMENT. DOSAGE OF MICROFIBER TO BE DETERMINED BY CONCRETE MIX DESIGNER FOR THE SPECIFIC PROJECT APPLICATIONS. MINIMUM DOSAGE TO BE 1.5LB/CUBIC YARD. FIBER SELECTION AND CONCRETE PLACEMENT TO COMPLY WITH REQUIRED SLAB FINISHES IN PROJECT SPECIFICATIONS.
16. SEE ARCH DRAWINGS FOR DIMENSIONS OF STOOPS, FOUNDATION WALL HOLDOUTS, SLAB RECESSES, SLOPED SLABS & FOUNDATION WALL INSULATION. REFER TO ARCH DRAWINGS FOR BELOW GRADE VAPOR BARRIER REQUIREMENTS.

PRECAST/PRESTRESSED CONCRETE NOTES:

1. PRECAST/PRESTRESSED CONCRETE UNITS SHALL BE DESIGNED TO SUPPORT THE LOADS AND SPAN CONDITIONS PROVIDED ON THE CONTRACT DOCUMENTS. MEMBER DESIGN SHALL BE PERFORMED ACCORDING TO THE ACI 318 AND PCI LATEST EDITIONS AND UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
2. PRECAST TO PRECAST CONNECTIONS ARE THE RESPONSIBILITY OF PRECAST SUPPLIER. SHOW FIELD WELDS AND CONNECTION MATERIAL REQUIREMENTS ON SHOP DRAWING SUBMITTALS.
3. PRECAST/PRESTRESSED MEMBERS HAVE BEEN INDICATED ON THE DRAWINGS BY GENERAL SIZE AND DEPTH. THE STRUCTURAL DESIGN OF THESE MEMBERS AND THEIR LIFTING ACCESSORIES SHALL BE BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT DELEGATED BY THE PRECAST MANUFACTURER.
    A. DESIGN DEVIATIONS MUST BE SUBMITTED TO THE ARCHITECT & EOR FOR REVIEW AND APPROVAL PRIOR TO THE SUBMISSION OF STAMPED APPROVAL DRAWINGS AND CALCULATIONS..
    B. DESIGN DEVIATIONS MUST PRODUCE AN INSTALLATION EQUIVALENT TO THE BASIC INTENT WITHOUT INCURRING ADDED COSTS.
4. SUBMITTAL DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
5. HEADERS AT OPENINGS THROUGH PRECAST MEMBERS SHALL BE SUPPLIED BY THE PRECAST SUPPLIER. ADJACENT PRECAST UNITS SHALL BE DESIGNED FOR THE LOADS AT EACH BEARING LOCATION.
6. PRECAST SUPPLIER SHALL BE RESPONSIBLE FOR OPENINGS 8" AND LARGER IN SIZE THROUGH PRECAST MEMBERS. HOLES LESS THAN 8" SHALL BE CUT BY THE TRADE WITH PRIOR APPROVAL OF THE PRECAST SUPPLIER.
7. PRECAST MEMBERS SHALL BE ERECTED ALTERNATELY ON EACH SIDE OF SUPPORTING WALLS AND BEAMS TO MAINTAIN STABILITY.
8. PRECAST SUPPLIER SHALL PROVIDE AND SHOP INSTALL EMBEDDED ITEMS IN PRECAST UNITS TO THE GREATEST EXTENT POSSIBLE. COORDINATE WITH APPROPRIATE TRADES.
9. CONTRACTOR IS RESPONSIBLE TO CONTACT THE PRECAST SUPPLIER TO DEVELOP AN APPROPRIATE FIELD CORRECTION WHEN FABRICATION OR FIELD INSTALLATION ERRORS RESULT IN MISALIGNMENT OF EMBEDS OR OTHER DEVIATIONS FROM THE APPROVED SHOP DRAWINGS. PROPOSED CORRECTION DETAILS WITH SUPPORTING CALCULATIONS MUST BE SUBMITTED TO THE EOR FOR APPROVAL PRIOR TO PERFORMING THE REPAIR.
10. PRECAST SUPPLIER SHALL VERIFY SIZE, QUANTITY, AND LOCATION OF OPENINGS WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL PLANS PRIOR TO FABRICATION OF THE PRECAST UNITS. THIS INCLUDES A FABRICATED CHASE FOR ELECTRICAL FEEDER LINES THROUGH PRECAST FLOORS.
11. PRECAST ASSEMBLIES TO SATISFY FIRE RATING REQUIREMENTS SPECIFIED BY ARCHITECTURAL DRAWINGS.
12. FOR PRECAST HORIZONTAL DIAPHRAGM APPLICATIONS, PRECAST SUPPLIER TO PROVIDE CONTINUITY ACROSS MEMBER JOINTS TO TRANSFER THE SPECIFIED DIAPHRAGM LOADS TO THE RESISTING VERTICAL SHEAR ELEMENT. IF FORCES EXCEED GROUTED KEYWAY CAPACITY, A MECHANICAL CONNECTION SHOULD BE DESIGNED AND SPECIFIED BY THE PRECAST ENGINEER. ALL GROUT SPECIFICATIONS SHOULD BE PROVIDED BY PRECAST SUPPLIER. HOT AND COLD WEATHER REQUIREMENTS TO BE SATISFIED FOR PREPARATION OF SUBSTRATE, PLACEMENT OF GROUT, AND CURING OF GROUT.

ALUMINUM FRAMING ASSEMBLIES NOTES:

1. THE DEFERRED ALUMINUM DESIGN SHALL CONFORM TO THE ALUMINUM DESIGN MANUAL (LATEST ADDITION). THIS DESIGN SHOULD BE DONE UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF THE PROJECT.
2. THE ALUMINUM ASSEMBLIES SHALL BE DESIGNED FOR THE LIVE LOAD, SNOW LOAD, AND WIND LOAD (UPLIFT) LISTED UNDER THE DESIGN CRITERIA.
3. ALL CONNECTIONS TO THE BASE STRUCTURE SHALL BE FULLY DETAILED IN THE ALUMINUM APPROVAL SUBMITTAL AND CALCULATIONS SHALL BE PROVIDED. THE REACTIONS FROM THESE CONNECTIONS SHALL BE PROVIDED TO THE EOR TO CONFIRM THE CAPACITY OF THE SUPPORTING STRUCTURE.
4. A SEPARATION MATERIAL SHALL BE USED BETWEEN THE ALUMINUM ASSEMBLIES AND ANY DISSIMILAR METAL TO PREVENT CORROSION. THIS MATERIAL SHALL BE SHOWN ON THE SHOP DRAWINGS.
5. ALL SUBMITTAL CALCULATIONS SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

POST INSTALLED ANCHORAGE NOTES:

1. POST INSTALLED ANCHORS NOTED ON PLAN AND/OR DETAILS NOTED SHALL BE AS FOLLOWS (UNO). IF ALTERNATIVE ANCHORS ARE DESIRED, CONTRACTOR MUST SUBMIT PRODUCT DATA FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO ORDERING OF MATERIALS. ANCHORS USED TO TRANSFER STRUCTURAL LOADS MUST HAVE BEEN APPROVED BY METHODS OF ACI 318 APPENDIX D FOR MECHANICAL ANCHORS AND ICC-ES AC308 FOR ADHESIVE AND TORQUE-CONTROLLED ANCHORS. ADHESIVES USED IN COLD WEATHER MUST MEET ALL WEATHER REQUIREMENTS AND CODE REQUIREMENTS STATED ABOVE.

    INJECTION ADHESIVE ANCHORS: SIMPSON SET-3G ADHESIVE.
    A. THREADED RODS TO BE ASTM F1554 GRADE 55, UNO. CUT EMBEDDED END @ 45° ANGLE.
    B. REBAR TO MATCH CONCRETE AND STEEL REINFORCEMENT NOTE REQUIREMENTS

    EXPANSION ANCHORS: SIMPSON STRONG BOLT 2

    SCREW ANCHORS: SIMPSON TITEN HD

    POWDER ACTUATED FASTENERS (PAF): 0.157"Ø STEEL-TO-STEEL THRU BASE METAL, 1/2" MIN. EDGE DISTANCE. 0.157"Ø x1-1/4" STEEL TO CONCRETE & MASONRY. 3" MIN. CONCRETE EDGE DISTANCE (UNO).

2. POST INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO USING POST INSTALLED ANCHORS FOR MISSING OR MISPLACED CIP ANCHORS. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING BARS. HOLES SHALL BE DRILLED AND CLEANED PER ANCHOR MANUFACTURER'S SPECIFICATIONS. ANCHORS AND ADHESIVE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

STEEL DECK:

1. STEEL DECK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE TO STEEL DECK INSTITUTE STANDARD (SDI).
2. STEEL DECK MANUFACTURER TO PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ARCHITECT AND STRUCTURAL ENGINEER.
3. ALTERNATE FASTENING OF STEEL DECK THAT MEETS OR EXCEEDS SPECIFIED FASTENING, MUST BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO WORK. SUBMITTAL TO INCLUDE FULL DESIGN DATA PREPARED BY MANUFACTURER COMPARING ALTERNATE. FASTENING LOAD VALUES TO SPECIFIED VALUES.
4. STEEL DECK SIZES (MIN. SIZE) UNO ON PLAN/DETAILS:

ROOF DECK -	1 1/2"	TYPE B,	22 GA.
FORM DECK -	1"	TYPE C,	22 GA.
STOOP DECK -	1 1/2"	TYPE C,	20 GA. (GALV).

ABBREVIATIONS AND SYMBOLS:

ALT	ALTERNATE	LSV	LONG SIDE VERTICAL
ALUM	ALUMINUM	LONG	LONGITUDINAL
AR	ANCHOR ROD	MAX	MAXIMUM
ARCH	ARCHITECT	MECH	MECHANICAL
BLDG	BUILDING	MEP	MECH/ELECTRICAL/PLUMBING
BO	BOTTOM OF	MIN	MINIMUM
BRG	BEARING	MISC	MISCELLANEOUS
CCJ	CONSTRUCTION CONTROL JOINT	NTS	NOT TO SCALE
CIP	CAST IN PLACE	NS	NON-SHRINK
CJ	CONTROL JOINT	OC	ON CENTER
CJP	COMPLETE JOINT PENETRATION	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OF	OUTSIDE FACE
CLR	CLEAR	OH	OVERHEAD
CMU	CONCRETE MASONRY UNIT	OPP	OPPOSITE
CONC	CONCRETE	PAF	POWDER ACTUATED FASTENER
CONN	CONNECTION	P/C	PRECAST
CONT	CONTINUOUS	PEMB	PRE-ENGINEERED METAL BUILDING
CONST	CONSTRUCTION	PL	PLATE
COORD	COORDINATION	PLF	POUNDS PER LINEAR FOOT
DBE	DECK BEARING ELEVATION	PSF	POUNDS PER SQUARE FOOT
DBL	DOUBLE	PSI	POUNDS PER SQUARE INCH
DEG	DEGREE	QTY	QUANTITY / QUANTITIES
DET	DETAIL	RAD	RADIUS
DIAG	DIAGONAL	REF	REFERENCE
DIM	DIMENSION	REINF	REINFORCING / REINFORCE
DL	DEAD LOAD	RET	RETURN
DT	DOUBLE TEE	RO	ROUGH OPENING
DWG	DRAWING	RTU	ROOF TOP UNIT
DWL	DOWEL	R/W	REINFORCE WITH
EA	EACH	SC	SLIP CRITICAL
EF	EACH FACE	SCHED	SCHEDULE
EL	ELEVATION	SD	SEE DETAIL
EOR	ENGINEER OF RECORD	SF	SQUARE FOOTAGE
EQ	EQUAL	SIM	SIMILAR
(E)	EXISTING	SOG	SLAB ON GRADE
EXP	EXPANSION	SPECS	SPECIFICATIONS
EXT	EXTERIOR	SQ	SQUARE
E/W	EACH WAY	SS	STAINLESS STEEL
FAB	FABRICATOR	STD	STANDARD
FDN	FOUNDATION	STIFF	STIFFENER
FT	FOOT	STRUCT	STRUCTURAL
FTG	FOOTING	SW	SHEAR WALL
GA	GAUGE	TEMP	TEMPORARY
GALV	GALVANIZE	T&B	TOP & BOTTOM
GC	G

WOOD FRAMING NOTES:

1. WOOD AND TIMBER CONSTRUCTION SHALL COMPLY WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) STANDARD SPECIFICATIONS.

2. WOOD CONSTRUCTION SHALL CONFORM TO CHAPTER 23 (SECTIONS 2301, 2302, 2303, 2304, 2305, & 2306) OF THE 2018 IBC FOR MINIMUM REQUIREMENTS UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. PER SECTION 2301.2, THE STRUCTURAL DESIGN OF THIS STRUCTURE HAS BEEN IN ACCORDANCE WITH THE "ALLOWABLE STRESS DESIGN" METHOD. PROVISIONS WITHIN SECTION 2308 "CONVENTIONAL LIGHT-FRAME CONSTRUCTION" DO NOT APPLY TO THIS STRUCTURE.

3. ALL FRAMING LUMBER SHALL BE INSTALLED WITH MOISTURE CONTENT OF 19% OR LESS INDICATING "S-DRY" ON THE GRADE STAMP.

4. ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD U 1. 28% MAXIMUM MOISTURE CONTENT.

5. ALL SIMPSON STRONG-TIE CONNECTORS USED WITH PRESSURE TREATED LUMBER SHALL BE "Z-MAX" COATED AS A MINIMUM OR REQUIRED COATING TO PROTECT CONNECTORS FROM SURFACE CHEMICALS.

6. LUMBER SHALL COMPLY WITH NATIONAL DESIGN SPECIFICATION (NDS), LATEST EDITION SUPPLEMENT FOR MINIMUM ALLOWABLE DESIGN STRESS VALUES FOR LUMBER GRADES SHOWN BELOW. ALL LUMBER FRAMING SHALL BE MARKED WITH A GRADE STAMP.

MINIMUM LUMBER DESIGN VALUES, UNO ON PLAN OR DETAILS (PSI). DESIGN VALUES TAKEN FROM NDS SUPPLEMENT: TABLES 4A, 4B, & 4D						
SPECIES & GRADE	Fb	Ft	Fv	FcP	Fc	E
LOAD BEARING WALL STUDS						
SPF #1/#2	875	450	135	425	1150	1,400,000
HEADERS/BEAMS/JOISTS						
HEM FIR #2	850	525	150	405	1300	1,300,000
TREATED BEAMS/JOISTS						
SOUTHERN PINE #1	1000	650	175	565	1400	1,600,000
TOP PL/HEADER PL/ABOVE GROUND SILL PL						
SPF #1/#2	875	450	135	425	1150	1,400,000
TREATED SILL PL						
SOUTHERN PINE #2	1000	600	175	565	1400	1,400,000
TREATED POSTS (KDAT)						
SOUTHERN PINE #2	850	550	165	375	525	1,200,000
NON-TREATED POSTS						
DOUG FIR #2	750	475	170	625	700	1,300,000
FLOOR TRUSS END RIBBONS						
SPF #1/#2	875	450	135	425	1150	1,400,000

IF ALTERNATIVE GRADE OR SPECIES OF LUMBER IS DESIRED THAT IS EQUAL OR GREATER THAN THE ABOVE REQUIREMENTS; CONTRACTOR TO SUBMIT REQUEST TO ENGINEER FOR APPROVAL PRIOR TO ORDERING OF MATERIAL. SPF-S #2 IS SPRUCE-PINE-FIR SOUTH & IS NOT EQUIVALENT TO SPF #1/#2

7. ANCHOR TREATED SILL PLATES TO CONCRETE/MASONRY WITH 1/2"Ø GALV A.R.'S 4'-0" OC MINIMUM, UNO ON PLAN. HOOKED ROD WITH MINIMUM EMBED = 7"; SEE STANDARD DETAILS. THERE SHALL BE A MINIMUM OF (2) ANCHORS PER PIECE OF SILL PLATE W/ (1) BOLT LOCATED NO MORE THAN 12" OR LESS THAN 4" FROM END OF EACH SILL PLATE PIECE.

   A 1/2"x5" SIMPSON TITEN HD (GALV) MAY BE DIRECTLY SUBSTITUTED FOR CIP SILL PLATE ANCHORS.

8. DIMENSIONAL LUMBER USED FOR HEADERS SHALL HAVE NO SPLITS OR CHECKS.

9. PROVIDE STD CUT WASHERS PER STRUCTURAL DETAILS FOR ALL BOLTS IN WOOD MEMBERS. RE-TORQUE NUTS 48 HOURS AFTER FIRST TIGHTENING. SEE DRAWINGS FOR LOCATIONS OF SQ. PLATE WASHERS.

10. NOTCHING OR CUTTING OF STRUCTURAL WOOD MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL FROM ENGINEER. HOLES BORED IN WALL STUDS OR JOISTS SHOULD BE IN THE CENTER HALF OF THE MEMBER AND SHALL NOT BE LARGER THAN 1/4 OF THE DEPTH OF THE MEMBER. ALLOWABLE CUTTING, NOTCHING, AND BORED HOLE PROVISIONS OF IBC SECTION 2308 DO NOT APPLY TO THIS STRUCTURE.

11. LOAD BEARING STUD WALLS TO BE 2x6 @ 1'-4" OC UNO. SEE TABLE ABOVE FOR SPECIES & GRADE.

12. EXTERIOR WALLS AND LOAD BEARING WALLS SHALL BE CAPPED WITH DOUBLE TOP PLATES. THE PLATES SHALL OVERLAP AT CORNERS AND AT INTERSECTIONS WITH OTHER LOAD BEARING WALLS. SEE STANDARD DETAILS.

13. STRUCTURAL WALL STUDS TO BE CONTINUOUS FROM FLOOR LEVEL TO UNDERSIDE OF DIRECT TRUSS BEARING OR FLOOR/ROOF SHEATHING ABOVE. STRUCTURAL WALLS WITH INTERMEDIATE SPLICES WITHIN WALL HEIGHT ARE NOT PERMITTED. SPECIAL CONDITIONS AND PROVISIONS WILL BE SHOWN IN SPECIFIC STRUCTURAL DETAILS.

14. POSTS AND BEARING STUDS (JACKS/KINGS) FOR BEAMS AND HEADERS SHALL BE CONTINUOUS TO THE FOUNDATION LEVEL. PROVIDE SQUASH BLOCKING BETWEEN FLOOR LEVELS TO MATCH THE WIDTH OF THE POST/STUD ASSEMBLY FROM ABOVE.

15. TOP FLANGE OF ALL RAFTERS, JOISTS AND BEAMS TO BE LATERALLY SUPPORTED @ 24" OC MIN. PROVIDE BRIDGING FOR TOP FLANGE AS REQUIRED TO NEAREST FRAMING MEMBER OR PROVIDE ADEQUATELY SUPPORTED PLYWOOD DECKING.

16. PROVIDE SOLID BLOCKING AT BEARING POINTS OF ALL 2x JOISTS.

17. METAL FRAMING ANCHORS AND HARDWARE SHOULD BE AS NOTED IN DETAILS. ALTERNATIVE HARDWARE THAT IS EQUAL OR GREATER IN CAPACITY MUST BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. INSTALL PER MANUFACTURER'S SPECIFICATIONS. FASTENING TO BE PER SUPPLIER MAXIMUM UNO.

18. FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. THIS INCLUDES NAILS, TIMBER RIVETS, SILL ANCHORS, WOOD SCREWS, THRU BOLTS, AND LAG SCREWS.

19. STRUCTURAL LOAD BEARING OR LATERAL LOAD RESISTING WALLS ARE SHOWN ON THE PLAN. SEE ARCH DRAWINGS FOR PARTITION WALLS; PROVIDE NECESSARY CONNECTION/ALLOWANCE OF PARTITION WALLS TO UNDERSIDE OF FLOOR AND ROOF FRAMING TO ACCOUNT FOR FRAMING DEFLECTION.

20. DRILL BOLT/ANCHOR HOLES IN WOOD 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT. REPAIR OVERSIZED HOLES WITH BEARING PLATE WASHERS.

21. ALL JOISTS, TRUSSES, HEADERS, AND BEAMS SHALL HAVE FULL BEARING UNO NOTED ON THE DETAILS.

MINIMUM DESIGN VALUES FOR ENGINEERED WOOD MATERIALS UNO ON PLAN OR DETAILS (PSI)			
MATERIAL AND FUNCTION	Fb	Fcll	E
LVL BEAMS	2600	N/A	2,000,000
LSL BEAMS	2325	N/A	1,550,000
PSL BEAMS	2900	N/A	2,000,000
PSL COLUMNS	N/A	2500	1,800,000

MINIMUM DIMENSIONS OF FASTENERS, UNO [NDS APPENDIX L] UNITS = INCHES							
FASTENER TYPE	L	D	H	FASTENER TYPE	L	D	H
NAIL: 6d	2	0.113	0.266	NAIL: 16d	3 1/2	0.162	0.344
NAIL: 8d	2 1/2	0.131	0.281	NAIL: 30d	4 1/2	0.207	0.438
NAIL: 10d	3	0.148	0.312	#6 TYPE S OR W DRYWALL SCREW	1 7/8"	N/A	N/A

L = LENGTH, D = DIAMETER, H = HEAD DIAMETER

WOOD FRAMING NOTES (CONTINUED):

22.

MINIMUM FASTENERS FOR STANDARD WOOD FRAMING CONNECTIONS, UNO*			
CONNECTION	NAIL SIZE (LENGTH X DIAMETER) (INCHES)		
	3 1/2 x 0.162	3 x 0.148	3 x 0.131
WALL FRAMING			
TYPICAL DOUBLE STUDS (FACE NAIL)	16" OC	12" OC	12" OC
ABUTTING STUDS AT WALL INTERSECTIONS	12" OC	12" OC	12" OC
DOUBLE TOP PLATE TO EACH OTHER (FACE NAIL)	16" OC	12" OC	12" OC
TOP PLATE TO TOP PLATE AT END JOINT (LAP SPLICE) (EACH SIDE OF JOINT)	SEE STANDARD WOOD FRAMING DETAILS		
TOP PLATE OVERLAP AT CORNERS AND INTERSECTIONS (FACE NAIL)	2 NAILS	3 NAILS	3 NAILS
SOLE PLATE TO JOIST OR BLOCKING	2 @ 16" OC	3 @ 16" OC	4 @ 16" OC
TOP OR SOLE PLATE TO STUD (END NAIL)	3 NAILS	3 NAILS	4 NAILS
STUD TO TOP OR SOLE PLATE (TOE-NAIL)	3 NAILS	4 NAILS	4 NAILS
MULTI-PLY STUD COLUMN	SEE STANDARD WOOD FRAMING DETAILS		
HEADER ASSEMBLY	SEE STANDARD WOOD FRAMING DETAILS		
FLOOR, CEILING, AND ROOF FRAMING			
BLOCKING BETWEEN JOISTS OR RAFTER TO TOP PLATE (TOE-NAIL)	3 NAILS	3 NAILS	3 NAILS
BLOCKING BETWEEN RAFTERS OR TRUSS, NOT AT WALL TOP PLATE, TO RAFTER OR TRUSS (TOE-NAIL, EA END)	3 NAILS	4 NAILS	4 NAILS
BLOCKING BETWEEN RAFTERS OR TRUSS, NOT AT WALL TOP PLATE, TO RAFTER OR TRUSS (END NAIL, EA END)	2 NAILS	3 NAILS	3 NAILS
JOIST TO WALL PLATE OR BEAM (TOE-NAIL)	3 NAILS	3 NAILS	3 NAILS
2x RIBBON TO TRUSS END	3 NAILS	4 NAILS	4 NAILS
RIM JOIST TO TOP PLATE (TOE-NAIL)	6" OC	6" OC	6" OC
JOIST TO BAND JOIST (FACE NAIL)	3 NAILS	4 NAILS	4 NAILS
MULTI PLY BEAM/HEADER	SEE STANDARD WOOD FRAMING DETAILS		

*USE IBC TABLE 2304.10.1 FOR OTHER STANDARD FASTENERS NOT LISTED ABOVE, UNO.

WOOD STRUCTURAL PANEL SHEARWALL SHEATHING (WOOD FRAMING):

1. ALL STRUCTURAL WOOD PANELS SHALL BE GRADE STAMPED BY AN IAS ACCREDITED AGENCY AND COMPLY WITH DOC PS-1 OR DOC PS-2 REQUIREMENTS. ALL PANELS SHALL BE EXPOSURE 1 MINIMUM.

2. TYPICAL EXTERIOR SHEARWALL SHEATHING, UNO: NOMINAL THICKNESS = 7/16", SPAN RATING 24/16.

3. PANEL JOINTS SHALL BE AT STUD CENTERLINE AND SHALL BE OFFSET FROM ADJACENT PANELS. EDGES TO BE BUTT TIGHT @ JOINTS. PANELS LESS THAN 12" WIDE SHALL NOT BE USED.

4. FASTENERS SHALL BE SPACED @ 6" OC ALONG ALL PANEL EDGES & @ 12" OC IN THE FIELD OF THE PANELS. FASTENERS TO BE LOCATED NOT LESS THAN 3/8" IN FROM THE EDGE OF THE PANEL

5. MINIMUM FASTENERS SHALL BE: 8d COMMON NAILS, WITH A MINIMUM 1 3/8" PENETRATION, FLUSH DRIVEN, UNO.

6. IN SHEARWALL APPLICATIONS, IF PRE-FABRICATED PANELS ARE USED, WALL SHEATHING MUST SPLICE @ STUD CENTERLINE AND NOT AT A JOINT BETWEEN WALL PANELS. IF SPLICE DOES HAPPEN BETWEEN WALL PANELS, FASTEN END STUDS OF PANELS TOGETHER W/ 16d NAILS @ 6" OC, STAGGERED FROM BOTH SIDES. IN BOTH CASES, FIELD INSTALL UPPER TOP PLATE FOR WALL CONTINUITY PER STANDARD DETAILS.

7. IN SHEARWALL APPLICATIONS: PANEL EDGES TO BE UNBLOCKED, UNO. PANELS SHALL NOT BE LESS THAN 4'x8'; EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING. WALL OPENINGS, SUCH AS WINDOWS AND DOORS, DO NOT CONSTITUTE CHANGES IN FRAMING.

8. FASTENING REQUIREMENTS SHALL APPLY TO ALL STUDS, TOP & BOTTOM PLATES, & BLOCKING.

9. SMALLEST ALLOWABLE SPACING OF NAILS TO BE 3" OC FOR 2X LUMBER.

10. PROPOSED PENETRATIONS THROUGH SHEARWALL SHEATHING NEED TO BE SUBMITTED TO EOR FOR APPROVAL PRIOR TO CUTTING IN THE FIELD.

GYPSUM WALLBOARD/GYPSUM SHEARWALL SHEATHING (WOOD FRAMING):

1. 5/8" GYPSUM WALL BOARD SHALL BE USED. REFER TO ARCH. DRAWING FOR ADDITIONAL REQUIREMENTS OF GYPSUM WALLBOARD/SHEATHING.

2. PANEL JOINTS SHALL BE AT STUD CENTERLINE AND SHALL BE OFFSET FROM ADJACENT PANEL. EDGES TO BE BUTT TIGHT @ JOINTS. PANELS LESS THAN 12" WIDE SHALL NOT BE USED.

3. FASTENERS SHALL BE SPACED @ 8" OC ALONG ALL PANEL EDGES & @ 12" OC IN THE FIELD OF THE PANELS. FASTENERS TO BE LOCATED NOT LESS THAN 3/8" IN FROM THE EDGE OF THE PANEL.

4. MINIMUM FASTENERS SHALL BE NO. 6 TYPE S OR W DRYWALL SCREWS CONFORMING TO ASTM C 1002. SCREW LENGTH TO BE 1 1/4" FOR 5/8" GYP.

5. PANEL EDGES TO BE UNBLOCKED, UNO.

6. IN SHEARWALL APPLICATIONS, IF PRE-FABRICATED PANELS ARE USED, WALL SHEATHING MUST SPLICE @ STUD CENTERLINE AND NOT AT A JOINT BETWEEN WALL PANELS. ALTERNATE CONNECTION OF PANELS IS TO FASTEN END STUDS OF PANELS TOGETHER W/ 16d NAILS @ 6" OC STAGGERED FROM BOTH SIDES. IN BOTH CASES, FIELD INSTALL UPPER TOP PLATE FOR WALL CONTINUITY PER STANDARD DETAILS.

7. PANEL SHEETS SHALL BE APPLIED LONG DIRECTION PERPENDICULAR TO STUDS WITH EDGES BLOCKED OR APPLIED VERTICALLY WITH ALL EDGES ATTACHED TO FRAMING MEMBERS. PANELS LESS THAN 4'-0" WIDE NEED TO BE APPLIED HORIZONTAL TO FRAMING MEMBERS.

8. SMALLEST ALLOWABLE SPACING OF NAILS TO BE 3" OC FOR 2X LUMBER.

9. FASTENING REQUIREMENTS SHALL APPLY TO ALL STUDS, TOP & BOTTOM PLATES, & BLOCKING.

ROOF/FLOOR WOOD SHEATHING DIAPHRAGM NOTES (WOOD FRAMING):

1. ALL STRUCTURAL WOOD PANELS SHALL BE GRADE STAMPED BY AN IAS ACCREDITED AGENCY AND COMPLY WITH DOC PS-1 OR DOC PS-2 REQUIREMENTS. ALL PANELS SHALL BE EXPOSURE 1 MINIMUM.

2. PITCHED ROOF 3:12 OR GREATER PANEL: NOMINAL THICKNESS = 1/2", SPAN RATING 32/16 (UNO ON PLAN) FLOOR PANEL: NOMINAL THICKNESS = 3/4", SPAN RATING 48/24 (UNO ON PLAN)

3. MINIMUM FASTENERS SHALL BE 8d COMMON NAILS FOR 1/2" PANELS AND 10d COMMON NAILS FOR 3/4" PANELS. FASTENERS TO BE LOCATED 3/8" FROM PANEL EDGE WITH MINIMUM 1-3/8" PENETRATION INTO FRAMING. FASTEN @ 6" OC AT PANEL EDGES AND 12" OC IN THE FIELD OF THE PANEL, UNO. IF 8d COOLER, DEFORMED, AND SMOOTH NAILS ARE USED AND INSTALLED WITH NAIL-GUN, MINIMUM FASTENER SPACING IS 4" OC AT PANEL EDGES AND 8" OC IN THE FEILD OF THE PANEL.

4. AT ROOF OVERHANGS, MINIMUM FASTENING TO BE 6" OC IN THE FEILD AND AT PANEL EDGES; 4" OC IF INSTALLED WITH NAIL GUN AND COOLER, DEFORMED, AND SMOOTH NAILS.

5. PANEL JOINTS SHALL BE AT FRAMING CENTERLINE AND SHALL BE OFFSET FROM ADJACENT PANELS. PANELS SHOULD SPAN 2 OR MORE SPANS, WITH STRONG AXIS OF PANEL PERPENDICULAR TO FRAMING MEMBERS.

6. UNSUPPORTED EDGES SHALL HAVE A MINIMUM ONE PANEL EDGE CLIP, TONGUE AND GROOVE, OR BLOCKING. APA RECOMMENDS TONGUE AND GROOVE EDGES TO BE GLUED TOGETHER FOR IMPROVED FLOOR STIFFNESS AND CONTINUITY.

7. PANELS SHALL BE CONTINUOUS OVER 2 SPANS MINIMUM, AND SHALL HAVE THE FACE OF GRAIN PERPENDICULAR TO THE FRAMING DIRECTION.

8. SMALLEST ALLOWABLE SPACING OF NAILS TO BE 3" OC FOR 2X LUMBER.

9. ALL FASTENING MUST BE DRIVEN FLUSH WITH SHEATHING. IF MORE THAN 20% OF FASTENERS ARE OVERDRIVEN BY 1/8" - CONTACT ENGINEER FOR CORRECTIVE ACTION.

10. PER APA RECOMMENDATION AS BEST PRACTICE: FLOOR SHEATHING IS TO BE GLUED TO FLOOR FRAMING MEMBERS IN ADDITION TO TYPICAL FASTENING. GLUE SHOULD MEET AFG-01 OR ASTMD3498. ROOF SHEATHING SHOULD NOT BE GLUED TO ROOF FRAMING MEMBERS.

11. ALL PANELS SHOULD BE LAID OUT TO ACCOUNT FOR THERMAL AND/OR MOISTURE-INDUCED EXPANSION OF THE PANELS AFTER INSTALLATION. APA RECOMMENDS PROVIDING A 1/8" GAP AT ALL INDIVIDUAL PANEL EDGES AND RECOMMENDS THE USE OF TEMPORARY EXPANSION JOINTS AT 80'-0" OC. SEE APA TECHNICAL NOTE U425C FOR MORE INFORMATION. THE TEMPORARY EXPANSION JOINT IS FULLY FASTENED FOR DIAPHRAGM CONTINUITY IN ITS FINAL CONDITION. LOCATION OF JOINTS TO BE SELECTED BY GENERAL CONTRACTOR AND SUBMITTED TO EOR FOR APPROVAL.

12. ADDITIONAL PANEL CLIPS ARE REQUIRED @ UNSUPPORTED EDGES FOR PANEL WIDTHS LESS THAN OR EQUAL TO 24".

    16"-24" 2 PANEL CLIPS OR 2x4 BLOCKING
    <16" 2x4 BLOCKING EA EDGE

MASONRY NOTES:

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE MASONRY SOCIETY (TMS) - BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES, LATEST EDITION.

   TMS402-16: "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
   TMS602-16: "SPECIFICATION FOR MASONRY STRUCTURES"

2. PROVIDE CMU OF NORMAL WEIGHT CONFORMING TO ASTM C90 AND TESTED IN ACCORDANCE WITH ASTM C140.

3. MASONRY ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. TESTED IN ACCORDANCE WITH THE PRISM METHOD (ASTM C1314) OR UNIT STRENGTH METHOD PER ACI 530.

4. FOR STRUCTURAL CMU, THAT IS EXPOSED TO EXTERIOR CONDITIONS, PROVIDE MASONRY UNITS AND MORTAR MIX WITH INTEGRAL WATER REPELLENT. UNITS AND MORTAR ARE TO BE MADE WITH LIQUID POLYMERIC, INTEGRAL WATER REPELLENT ADMIXTURE THAT DOES NOT REDUCE FLEXURAL BOND STRENGTH. COORDINATE WITH TRANSITIONS FOR BELOW GRADE WATERPROOFING SYSTEMS. UNITS AND MORTAR ADMIXTURES TO BE FROM SAME MANUFACTURER.

5. MORTAR SHALL CONFORM TO ASTM C270 AND BE TESTED IN ACCORDANCE WITH ASTM C780. FOR STRUCTURAL WALLS USE TYPE "S" BELOW GRADE AND TYPE "S" ABOVE GRADE. REFER TO ASTM C1586 STANDARD GUIDE FOR QUALITY ASSURANCE OF MORTARS.

6. MASONRY GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS, TESTED IN ACCORDANCE WITH ASTM C1019.

7. BOND BEAMS SHALL HAVE (2) #5 BARS CONT. WITH CORNER BARS (UNO). PLACE BOND BEAMS WHERE SHOWN ON PLAN, DETAILS AND AT TOP OF WALL. CONTINUE BOND BEAMS THROUGH CONTROL JOINTS.

8. PROVIDE FULL MORTAR BED AT FACE SHELLS AND CROSS WEBS ADJACENT TO GROUTED CORE LOCATIONS. PROVIDE FULL MORTAR BED AT BASE OR BOTTOM WALL COURSE AND UNDER ALL SOLID UNITS.

9. ALIGN VERTICAL CELLS TO BE FILLED WITH GROUT TO PROVIDE CONT. UNOBSTRUCTED VERTICAL CELLS. REMOVE OVERHANGING MORTAR OR OTHER OBSTRUCTION AND DEBRIS.

10. CMU SHALL BE LAID IN A RUNNING BOND, UNO.

11. IF NOT NOTED ON STRUCTURAL PLANS, PROVIDE VERTICAL CONTROL JOINTS MEETING THE FOLLOWING CRITERIA. DEVIATION REQUIRES APPROVAL FROM ENGINEER AND ARCHITECT.

    MAX SPACING NOT TO EXCEED 24'-0"
    MAX OF 8'-0" FROM BUILDING CORNERS
    NO CLOSER THAN 2-0" TO OPENING EDGES
    NO CLOSER THAN 1'-4" TO BEAM OR JOIST BEARING LOCATION

12. VERTICAL REBAR SHALL BE LATERALLY SUPPORTED IN PROPER POSITION AT TOP AND BOTTOM OF BAR DURING GROUTING OF CELLS WITH WIRE POSITIONERS PRIOR TO GROUT PLACEMENT. "WET STICKING" OF REINFORCEMENT AND EMBEDS IS NOT ACCEPTABLE. SEE ACI SPECIFICATIONS FOR PLACEMENT TOLERANCES.

13. VERTICAL REINFORCEMENT, INCLUDING JAMB REINFORCEMENT, SHALL BE DOWELED INTO FOUNDATION WALLS OR FOOTINGS.

14. IT IS THE CONTRACTORS RESPONSIBILITY TO BRACE WALLS UNTIL FLOOR OR ROOF CONNECTIONS ARE COMPLETED.

15. HORIZONTAL JOINT REINFORCING SHALL BE GALVANIZED 9 GA. WITH MAX SPACING OF 16" OC VERTICALLY; LAP 8" MIN. ALL CORNERS AND WALL INTERSECTIONS TO BE PREFABRICATED PIECES. JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR. TERMINATE JOINT REINFORCEMENT AT CONTROL JOINTS, UNO.

16. UNO, CMU INTERIOR PARTITION WALLS (NON-STRUCTURAL) SHALL HAVE VERTICAL REINFORCING CONSISTING OF #5 BARS @ 4'-0" OC IN MASONRY GROUT.

17. PROVIDE (1) #5 EA SIDE OF CONTROL JOINT, AT END OF WALL SEGMENTS, AND AT WALL CORNERS.

18. SHOP DRAWING SUBMITTAL FOR WALL REINF. SHALL SHOW ALL WALL ELEVATIONS WITH REINF, CONTROL JOINTS, AND ALL WALL REINF. RELATED DETAILS.

19. MAX GROUT LIFT IS 5'-0"; UNLESS ALTERNATE ACI METHOD IS APPROVED BY ENGINEER. GROUT SHALL BE CONSOLIDATED BY MECHANICAL MEANS. PLACE 2" COLD JOINT GROUT DEPRESSION (GROUT KEY) AT TOP OF EACH INTERMEDIATE GROUT LIFT. CONTRACTOR TO SUBMIT WRITTEN PROCEDURES FOR GROUTING SEQUENCES PRIOR TO START OF CONSTRUCTION.

20. DO NOT PLACE ANY PIPES OR OTHER PENETRATIONS THROUGH MASONRY WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

21. MASONRY LINTELS FOR ALL OPENINGS IN NON-LOAD BEARING MASONRY WALLS UP TO 6'-4" SPAN PROVIDE BOND BEAM LINTEL WITH (2) #5 CONTINUOUS, UNO MINIMUM BEARING FOR BLOCK LINTELS IS 8" ON SOLID MASONRY.

22. PROVIDE WALL WIDTHxMINIMUM 8" HIGH CONTINUOUS BOND BEAM W/ (2) #5 CONTINUOUS AT STEEL JOIST OR PLANK BEARING LOCATIONS, SEE PLAN. NOTE, AT LOCATIONS WHERE BEARING IS NOT AT COURSING PROVIDE 16" HIGH CONTINUOUS BOND BEAM AND NOTCH AS REQUIRED FOR BEARING ELEVATION.

23. SEE ARCH FOR ADDITIONAL GROUTING OR CORE FILL TO SATISFY FIRE RATING OF WALL ASSEMBLY.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) CODES AND SPECIFICATIONS:
   AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"

2.

MATERIAL QUALIFICATIONS, UNO ON DRAWINGS				
SHAPE	Fy	Fu	ASTM STD	NOTES
W	50 KSI	-	A992	-
STANDARD PIPES	35 KSI	-	A53 GRADE B	-
HSS ROUND	46 KSI	-	A500 GRADE C	-
HSS SQ. & RECTANGULAR	50 KSI	-	A500 GRADE C	-
M, S, C, MC, & ANGLES	36 KSI	-	A36	-
PLATE	50 KSI	-	A572 GR 50	-
ANCHOR RODS *	55 KSI	-	F1554 GR 55	A563 HEAVY HEX NUT
THREADED RODS **	-	125 KSI	A193 GRADE B7	A563 HEAVY HEX NUT
SHEAR STUD CONNECTORS	-	65 KSI	A108	-
HIGH STRENGTH BOLTS	-	120 KSI	F3125 GRADE A325	A563 HEAVY HEX NUT
WASHERS	-	-	F436	-
* GRADE IS 55 MUST HAVE S1 CERTIFICATION FOR BEING WELDABLE. GRADE 105 CANNOT BE WELDED				
**SEE POST-INSTALLED ANCHOR NOTES FOR ADHESIVE ANCHOR APPLICATION REQUIREMENTS				

3. WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY (AWS) AND AISC. ELECTRODES TO BE E70XX.

4. UNSPECIFIED WELDS SHALL BE CONTINUOUS FILLETS WITH A MINIMUM SIZE PER MATERIAL THICKNESS PER AISC MANUAL.

5. ALL WELDING SHALL BE DONE BY AWS CERTIFIED WELDERS EXPERIENCED IN THE TYPE CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE.

6. STRUCTURAL STEEL SHOP DRAWINGS SHALL SHOW ALL FIELD AND SHOP WELDING REQUIREMENTS USING AWS SYMBOLS.

7. STRUCTURAL STEEL SHOP DRAWINGS SHALL SHOW ALL FIELD ERECTION DETAILS FOR THE CONTRACTOR TO ERECT THE STRUCTURE ACCORDING TO THE CONTRACT DRAWINGS.

8. COVER STEEL SURFACES WITH ASPHALTIC BASED ROOFING COMPOUND PRIOR TO CASTING CONCRETE AROUND COLUMN BASES.

9. ALL STEEL MEMBERS SHALL RECEIVE A PRIME COAT OF PAINT EXCEPT STEEL SCHEDULED TO BE FIREPROOFED. SEE ARCH FOR PAINTING REQUIREMENTS.

10. BOLTED CONNECTIONS SHALL BE MADE USING 3/4"Ø A325 BOLTS AND WASHERS (UNLESS OTHERWISE REQUIRED BY DESIGN). BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNO. ALL HOLES MUST BE DRILLED OR PUNCHED. FLAME CUTTING OF HOLES IS NOT PERMITTED.

11. FIELD NOTCHING OR COPING OF STRUCTURAL STEEL MEMBERS IS NOT ALLOWED WITHOUT PRIOR APPROVAL FROM THE EOR. ADDITIONAL WELDING, OUTSIDE OF WHAT IS SHOWN ON SPECIFIC DETAIL, IS NOT ALLOWED WITHOUT PRIOR APPROVAL FROM EOR.

12. ROOF PERIMETER STEEL ELEMENTS SUCH AS ANGLES OR BENT PL's, NOTED TO BE CONTINUOUS, SHALL BE FIELD SPLICED WITH A FULL LENGTH SQUARE GROOVE FULL PENETRATION WELD UTILIZING A MINIMUM 1/8" ROOT OPENING.

13. KEEP STEEL FREE OF PAINT AND PRIMER THAT IS TO BE FIELD WELDED.

14. BEAM CONNECTIONS SHALL CONFORM TO AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. UNLESS NOTED ON PLAN, CONNECTIONS SHALL BE SIZED TO SUPPORT 1/2 UNIFORM LOAD CAPACITY LISTED IN TABLE 3-6

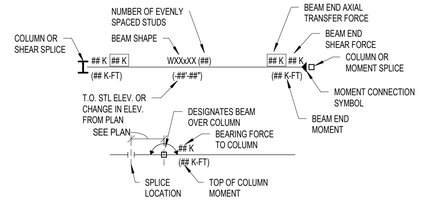
15. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STEEL CONNECTIONS ARE TO BE COMPLETED IN ACCORDANCE WITH OPTION 1 OF SECTION 3.1.1 OF THE AISC 303. SEE SHOP DRAWING & DEFERRED SUBMITTAL NOTES FOR REQUIRED SUBSTANTIATING CONNECTION INFORMATION.

16. PROVIDE SHRINKAGE RESISTANT GROUT CONFORMING TO ASTM C1107 UNDER ALL COLUMN BASE PLATES. GROUT STRENGTH TO HAVE A MINIMUM DESIGN COMPRESSIVE STRENGTH AT LEAST TWICE THE STRENGTH OF THE FOUNDATION CONCRETE.

17. DO NOT MODIFY ANY ANCHOR BOLT SETTINGS OR BASE PLATE HOLES WITHOUT PRIOR APPROVAL FROM STRUCTURAL ENGINEER.

18. COLUMN BASE PLATES SHALL BE 3/4" THICK AND 6" LARGER IN EACH DIRECTION THAN THE NOMINAL DIMENSION OF THE SUPPORTED COLUMN (i.e. 12" SQUARE BASE PLATE FOR 6"Ø OR 6" SQ. COLUMN AND 10" SQUARE BASE PLATE FOR 4"Ø OR 4" SQ. COLUMN). ALL BASE PLATES SHALL BE ANCHORED TO PIER/FOOTING BELOW WITH (4) 3/4"Ø x 1'-1" HEADED ANCHOR RODS WITH HEAVY HEX NUTS, TACK WELDED TO ROD, SET INTO FOUNDATION WALL (9" EMBEDMENT+ 6" PROJECTION) UNLESS SPECIFICALLY NOTED OTHERWISE.

19. STRUCTURAL STEEL BEAM KEY:



20. STEEL LINTELS LINTELS NOT SHOWN ON PLAN SHALL BE THE FOLLOWING, PROVIDE 8" MIN BEARING LENGTH. EACH ANGLE SHALL BE PROVIDED PER 4" OF WALL THICKNESS.

SPAN	SIZE
< 4'-0"	L3 1/2x3 1/2x1/4
4'-0" - 6'-0"	L4x3 1/2x1/4
6'-0" - 8'-0"	L5x3 1/2x5/16
> 8'-0"	CONTACT STRUCTURAL ENGINEER

SANDMAN
Structural Engineers
Moorhead | Brainerd | Minneapolis
www.SandmanSE.com

THIS PLAN, INCLUDING THE DESIGN AND CONCEPT, PREPARED BY SANDMAN STRUCTURAL ENGINEERS (SSE) AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF SSE AND ARE PROTECT

SPECIAL INSTRUCTIONS AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE, 2018 EDITION. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES. CONTRACTOR SHALL REFERENCE PROJECT MANUAL FOR ADDITIONAL INFORMATION. THE TESTING AND INSPECTION SERVICES SECTION WILL CLARIFY WHO SHALL EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM ALL INSPECTIONS, SPECIAL INSPECTIONS, AND TESTING FOR PROJECT.

GENERAL NOTES:

1. THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

2. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DRAWINGS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

3. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE IBC SECTION 110 AND SPECIFIC STRUCTURAL OBSERVATION AS MAY BE REQUIRED BY THE CODE.

4. THOUGH NOT REQUIRED BY CODE, SPECIAL INSPECTORS AND/OR INSPECTION AGENCIES CAN DOCUMENT ACCEPTANCE OF THEIR RESPONSIBILITIES AND SCOPE OF WORK FOR A PROJECT BY SIGNING AN AGREEMENT THAT INCLUDES A DETAILED SCHEDULE OF SERVICES, COMMONLY KNOWN AS THE SPECIAL INSPECTION AND TESTING AGREEMENT AND THE SPECIAL INSPECTION AND TESTING SCHEDULE. THIS DOCUMENT MAY REFERENCE THIS SHEET AS THE "STATEMENT OF SPECIAL INSPECTIONS," (SSI).

5. THE STRUCTURAL DESIGN METHODS AND/OR ASSUMPTIONS UTILIZED ARE BASED UPON THE SPECIAL INSPECTIONS REQUIRED WITHIN THE CONTRACT DOCUMENTS.

CONTRACTOR RESPONSIBILITIES AND DUTIES:

1. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND PROVIDING ADEQUATE NOTICE TO THE SPECIAL INSPECTORS FOR ALL INSPECTIONS. THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE REQUIRED ITEMS PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF WORK.

2. THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO THE APPROVED CONTRACT DOCUMENTS. THESE DOCUMENTS INCLUDE SEALED DRAWINGS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SHOP DRAWINGS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY THE ARCHITECT/ENGINEER. THIS CURRENT SET OF DOCUMENTS SHALL BE AVAILABLE AT THE JOB SITE.

3. THE CONTRACTOR IS TO CORRECT DISCREPANCIES AND DEVIATIONS AS DETERMINED BY SPECIAL INSPECTOR. ALL DISCREPANCIES AND DEVIATIONS OBSERVED SHALL BE RE-INSPECTED UNTIL THE SPECIAL INSPECTOR DEEMS CONSTRUCTION TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

4. THE CONTRACTOR IS TO RETAIN SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTORS AT THE JOB SITE.

SPECIAL INSPECTOR QUALIFICATIONS AND RESPONSIBILITIES:

1. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

2. SPECIAL INSPECTORS SHALL NOTIFY CONTRACTOR PERSONNEL OF THEIR PRESENCE AND RESPONSIBILITIES AT THE JOBSITE.

3. THE SPECIAL INSPECTOR/TESTING AGENCY SHALL BE INDEPENDENT OF THE CONTRACTOR TO AVOID CONFLICT OF INTEREST.

4. THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THESE DOCUMENTS INCLUDE SEALED DRAWINGS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SHOP DRAWINGS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY THE ARCHITECT/ENGINEER.

5. SPECIAL INSPECTORS SHALL KEEP ORGANIZED RECORDS OF INSPECTIONS AND SUBMIT INSPECTION REPORTS WITH A MINIMUM WEEKLY FREQUENCY TO THE CONTRACTOR, BUILDING OFFICIAL, ENGINEERS, AND ARCHITECTS INDIVIDUALLY. REPORTS SHOULD INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION TO THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THEY SHOULD BE REPORTED TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD.

6. A FINAL SIGNED REPORT IS TO BE SUBMITTED AT THE END OF THE PROJECT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES. THIS REPORT SHOULD STATE THAT ALL ITEMS REQUIRING SPECIAL INSPECTION AND TESTING WERE FULFILLED AND REPORTED TO THE BEST OF THEIR KNOWLEDGE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS, AND THE APPLICABLE PROVISIONS OF THE IBC. ITEMS NOT IN CONFORMANCE, UNRESOLVED ITEMS, OR ANY DISCREPANCIES IN INSPECTION COVERAGE SHOULD BE SPECIFICALLY ITEMIZED.

7. THE FOLLOWING ARE THE QUALIFICATIONS FOR INDIVIDUALS PERFORMING SPECIFIC INSPECTIONS OR TESTS INCLUDING IN THIS PROJECT'S SSI.

   A. AMERICAN CONCRETE INSTITUTE (ACI):
      - CONCRETE FIELD TESTING TECHNICIAN - GRADE 1 (ACI-CFTT)
      - CONCRETE CONSTRUCTION INSPECTOR (ACI-CCI)
      - LABORATORY TESTING TECHNICIAN - GRADE 1 OR 2 (ACI-LTT)
      - STRENGTH TESTING TECHNICIAN (ACI-STT)

   B. AMERICAN WELDING SOCIETY (AWS):
      - CERTIFIED WELDING INSPECTOR (AWS-CWI)
      - CERTIFIED STRUCTURAL STEEL INSPECTION (AWS/AISC-SSI)

   C. AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT)
      - NON-DESTRUCTIVE TESTING TECHNICIAN - LEVEL II OR III (ASNT)

   D. INTERNATIONAL CODE COUNCIL (ICC):
      - STRUCTURAL MASONRY SPECIAL INSPECTOR (ICC-SMSI)
      - STRUCTURAL STEEL AND BOLTING SPECIAL INSPECTOR (ICC-SSSI)
      - STRUCTURAL WELDING SPECIAL INSPECTOR (ICC-SWI)
      - PRESTRESSED CONCRETE SPECIAL INSPECTOR (ICC-PCSI)
      - REINFORCED CONCRETE SPECIAL INSPECTOR (ICC-RCSI)
      - SOILS SPECIAL INSPECTOR (ICC-SSI)

   E. PROFESSIONAL STATE LICENSING:
      - PROFESSIONAL ENGINEER (PE)

STATEMENT OF SPECIAL INSPECTIONS (SSI):

THE FOLLOWING TABLES INDICATED THE MINIMUM SPECIFIC SPECIAL INSPECTION AND TESTING TO BE PERFORMED ON THIS PROJECT AND THE QUALIFICATIONS OF THE INDIVIDUAL INSPECTORS AND TESTING TECHNICIANS.

DEFINITIONS:

1. CONTINUOUS SPECIAL INSPECTION: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. 100% OF THE WORK MUST BE INSPECTED AND IT MUST BE INSPECTED AS THE WORK IS BEING PERFORMED.

2. PERIODIC SPECIAL INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN, OR IS BEING, PERFORMED AND AT THE COMPLETION OF WORK.

3. YES: THIS INSPECTION AND/OR TESTING IS REQUIRED BY THE BUILDING CODE AND MUST BE PERFORMED.

4. NO: THIS INSPECTION AND/OR TESTING IS NOT APPLICABLE TO THE PROJECT, AND NEED NOT BE PERFORMED.

5. SUGGESTED: THIS INSPECTION AND/OR TESTING IS NOT REQUIRED BY THE BUILDING CODE. HOWEVER, THE ENGINEER OF RECORD RECOMMENDS IMPLEMENTING THEM FOR QUALITY ASSURANCE. A POTENTIAL EXISTS FOR THESE MEASURES TO BE A VALUE ADDED SERVICE FOR THE OWNER TO ENSURE PROPER PROJECT COMPLETION.

SPECIAL INSPECTION - CAST-IN-PLACE CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	AGENCY QUALIFICATION	SCOPE	REFERENCED STANDARD	FREQUENCY OF INSPECTION	REQUIRED ON PROJECT
1. Mix Design	ACI-CCI ICC-RCSI	Review concrete batch tickets and verify compliance with approved mix design. Verify that water added on site does not exceed that allowed by the mix design.	ACI 318	Prior to start of concrete construction on project, Periodic	YES
2. Material Certification	STRUCTURAL ENGINEER OF RECORD	Verify that concrete supplier's concrete components meet requirements set forth by applicable ASTM standards.	Applicable ASTM & ACI Specs	Prior to start of concrete construction on project	YES
3. Reinforcement Installation	ACI-CCI ICC-RCSI	Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters.	Applicable ACI Specs	Prior to each casting	YES
4. Welding of Reinforcing	AWS-CWI	Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel. Inspect preheating of steel when required.	Applicable ASTM & ACI Specs	Continuous	YES
5. Anchor Rods	ACI-CCI ICC-RCSI	Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.	Applicable ASTM & ACI Specs	Prior to each casting	YES
6. Concrete Placement	ACI-CCI ICC-RCSI	Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	Applicable ACI Specs	Periodic	YES
7. Sampling and Testing of Concrete	ACI-CFTT ACI-LTT ACI-STT	Test Concrete compressive strength, slump, air content and temperature.	Applicable ACI and ASTM Specs	Not less than once a day, nor less than once for every 150 cubic yard, nor less than once for every 5000 SF of surface area for slabs or walls	YES
8. Curing and Protection	ACI-CCI ICC-RCSI	Inspection curing, cold weather protection and hot weather protection procedures.	Applicable ACI Specs	Monitor on site after each casting	YES
9. Post-Installed Anchors	ACI-CCI ICC-RCSI	Inspect installation for type of anchor, embedment, edge distance & adhesive required.	ACI & Supplier's Specs	Continuous	YES
Exceptions per IBC 1704.4: Special Inspections are not required for the following unless otherwise required by the Building Official or Structural Engineer of the Record.					
1. Nonstructural concrete slabs supported directly on the ground.					
2. Concrete patios, driveways and sidewalks, on grade.					

SPECIAL INSPECTION - MASONRY LEVEL 1 INSPECTIONS

VERIFICATION AND INSPECTION	AGENCY QUALIFICATION	SCOPE	REFERENCED STANDARD	FREQUENCY OF INSPECTION	REQUIRED ON PROJECT
1. Material Certification	STRUCTURAL ENGINEER OF RECORD	All CMU, mortar mixes & grout mixes to be submitted to Structural Engineer for approval prior to construction.	ACI 530	Prior to Construction	YES
2. As masonry construction begins, these items to be verified to ensure compliance:					
2a. Proportions of site-prepared mortar	ICC-SMSI	-	ACI 530	Periodic	YES
2b. Construction of mortar joints	ICC-SMSI	-	ACI 530	Periodic	YES
2c. Location of reinforcement, connectors and anchorages.	ICC-SMSI	-	ACI 530	Periodic	YES
3. The inspection program shall verify:					
3a. Size and location of structural elements	ICC-SMSI	-	ACI 530	Periodic	YES
3b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	ICC-SMSI	-	ACI 530	Periodic	YES
3c. Specified size, grade and type of reinforcement	ICC-SMSI	-	ACI 530	Periodic	YES
3d. Welding of reinforcement bars	ICC-SMSI	-	ACI 530	Continuous	YES
3e. Protection of masonry during cold weather and hot weather conditions	ICC-SMSI	-	ACI 530	Periodic	YES
4. Prior to grouting, the following shall be verified to ensure compliance:					
4a. Grout space is clean	ICC-SMSI	-	ACI 530	Periodic	YES
4b. Placement of reinforcement, connectors and anchorages	ICC-SMSI	-	ACI 530	Periodic	YES
4c. Proportions of site-prepared grout	ICC-SMSI	-	ACI 530	Periodic	YES
4d. Construction of mortar joints	ICC-SMSI	-	ACI 530	Periodic	YES
5. Grout placement shall be verified to ensure compliance with code and construction documents	ICC-SMSI	-	ACI 530	Continuous	YES
6. Preparation of any required grout specimens and/or prisms shall be observed	ICC-SMSI	-	ACI 530	Continuous	YES
7. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	-	-	-	Periodic	YES
8. Evaluation of Masonry Strength	ICC-SMSI	Test compressive strength of mortar and grout cube samples. Test compressive strength of masonry prisms.	ACI 530 and applicable ASTM Standards	Periodic	YES

SPECIAL INSPECTION - PRECAST CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	AGENCY QUALIFICATION	SCOPE	REFERENCED STANDARD	FREQUENCY OF INSPECTION	REQUIRED ON PROJECT
1. Supplier's Plant Certification/Quality Control Procedures	Per PCI requirements	Precast supplier to perform all work per PCI requirements. Maintain plant records and quality control program during production of precast components. All components of precast production to be tested per PCI requirements. Make records available upon request.	Applicable PCI & ACI Specs	Per PCI requirements	YES
2. Erection of Precast Elements	ICC-PCSI	Inspect erection of precast concrete including member configuration, connections, welding and grouting.	Applicable PCI & ACI Specs	Periodic	YES

SPECIAL INSPECTIONS - SOILS AND FOUNDATIONS

VERIFICATION AND INSPECTION	AGENCY QUALIFICATION	SCOPE	REFERENCED STANDARD	FREQUENCY OF INSPECTION	REQUIRED ON PROJECT
1. Shallow Foundations	ICC-SSI PE-GEOTECH.	Inspect Soils below footings for adequate bearing capacity and consistency with geotechnical report.	N/A	Periodic testing to verify compliance with project specifications & geotechnical report.	YES
2. Controlled Structural Fill	ICC-SSI PE-GEOTECH.	Perform applicable sieve tests and modified Proctor tests of each source of fill. Inspect placement, lift thickness, and compaction. Test density of each lift. Verify extent and slope of fill placement.	Applicable ASTM Specs	Periodic testing to verify compliance with project specifications & geotechnical report.	YES
3. Deep Foundation: Driven Piles	PE-GEOTECH.	Inspect and log pile driving operations. Record pile driving resistance and verify compliance with driving criteria. Inspect piles for damage from driving and plumbness. Verify pile size, length and accessories.	-	Continuous	NO
4. Deep Foundations: Drilled Pier Foundations	PE-GEOTECH.	Inspect installation and maintain complete records for each pier. Verify pier diameter, bell diameter, lengths, embedment into bedrock and suitable of each bearing strata.	-	Continuous	NO

SPECIAL INSPECTION - WOOD CONSTRUCTION

VERIFICATION AND INSPECTION	AGENCY QUALIFICATION	SCOPE	REFERENCED STANDARD	FREQUENCY OF INSPECTION	REQUIRED ON PROJECT
1. Fabricator Certification/ Quality Control Procedures	-	Fabricated to be enrolled in a nationally accepted inspection program acceptable to the Structural drawings and specifications. The approved fabricator to submit a certification of compliance to a the building official.	-	N/A	YES
2. Material Grading	-	Review sheathing, framing members, wall studs, plates for proper species and grade	Applicable APA & AITC Specs	Prior to Construction & Periodic during construction	YES
3. Connections	-	Inspect connection of framing members. Including nail and bolts for size and spacing. Verify metal hardware connectors for type and proper installation	ANSI/AF&PA & Supplier's Specs	Periodic	YES
4. Framing and Details	-	Inspect framing for plumbness, spacing, bearing length, and size. Verify bracing is installed as required.	ANSI/AF&PA	Periodic	YES
5. Diaphragms and Shearwalls	-	Inspect size, configuration, blocking and fastening of shearwalls and diaphragms. Verify panel grade and thickness. Verify size and installation of hold-downs and straps.	ANSI/AF&PA & Supplier's Specs	Periodic	YES
6. Prefabricated Wood Trusses & I-Joists	-	See Item #1. Inspect installation for location, spacing, bearing length, connectors, and permanent bracing.	ANSI/AF&PA & Supplier's Specs	Periodic	YES

SPECIAL INSPECTION - STRUCTURAL STEEL

VERIFICATION AND INSPECTION	AGENCY QUALIFICATION	SCOPE	REFERENCED STANDARD	FREQUENCY OF INSPECTION	REQUIRED ON PROJECT
1. Fabricator Certification/ Quality Control Procedures	-	Review shop fabrications and quality control procedures.	-	N/A	YES OR PRE-APPROVAL
2. Material Certification	STRUCTURAL ENGINEER OF RECORD	Review certified mill test reports and identification markings on shapes, high strength bolts, nuts, cold-formed steel deck, and welding electrodes.	Applicable ASTM, AWS & AISC Specs	Prior to start of fabrication	NO
3. Open Web Steel Joists	ICC-SSSI	Inspect installation, field welding, bearing length and bridging of joists.	SJI	-	NO
4. Bolting - Bearing-Type Connections	AWS/AISC-SSI ICC-SSSI	Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension controlled bolts.	Applicable ASTM & AISC Specs	Periodic	YES
5. Bolting - Slip-Critical Connections	AWS/AISC-SSI ICC-SSSI	Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension controlled bolts.	Applicable ASTM & AISC Specs	Continuous	NO
6. Welding - Complete & Partial Penetration Groove Welds	AWS-CWI ASNT	Visually inspect welds. Ultrasonic testing of all full-penetration welds.	AWS D1.1	Continuous	NO
7. Welding - Multipass Fillet Welds	AWS-CWI	Visually inspect welds, Inspect pre-heat, post-heat and surface prep. between passes. Verify size and length of fillet weld.	AWS D1.1	Continuous	NO
8. Welding - Single-pass fillet welds greater than 5/16"	ICC-SSSI AWS-CWI	Visually inspect welds. Verify size and length of fillet weld.	AWS D1.1	Continuous	YES 1
9. Welding - Single-pass fillet welds less than or equal to 5/16"	ICC-SSSI AWS-CWI	Visually inspect welds. Verify size and length of fillet weld.	AWS D1.1	Periodic	YES
10. Welding/Mech Fastening - Floor and roof decks	AWS/AISC-SSI ICC-SSSI	Visually inspect welds. Verify size and spacing of deck attachment.	AWS D1.3 & SDI	Periodic	YES 1
11. Shear Connectors	AWS/AISC-SSI ICC-SSSI	Inspect size, number, positioning and welding of shear connectors. Inspect studs for full 360 degree flash. Ring Test all shear connectors WITH 3 lb hammer. Bend test all questionable studs to 15 degrees.	Applicable ASTM & AISC Specs	Periodic	NO
12. Structural Details	AWS/AISC-SSI ICC-SSSI	Inspect steel frame for compliance with structural drawings, including bracing, member configurations and connection details.	Applicable AISC Specs	Periodic	YES

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Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions		
#	DATE	COMMENTS

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Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

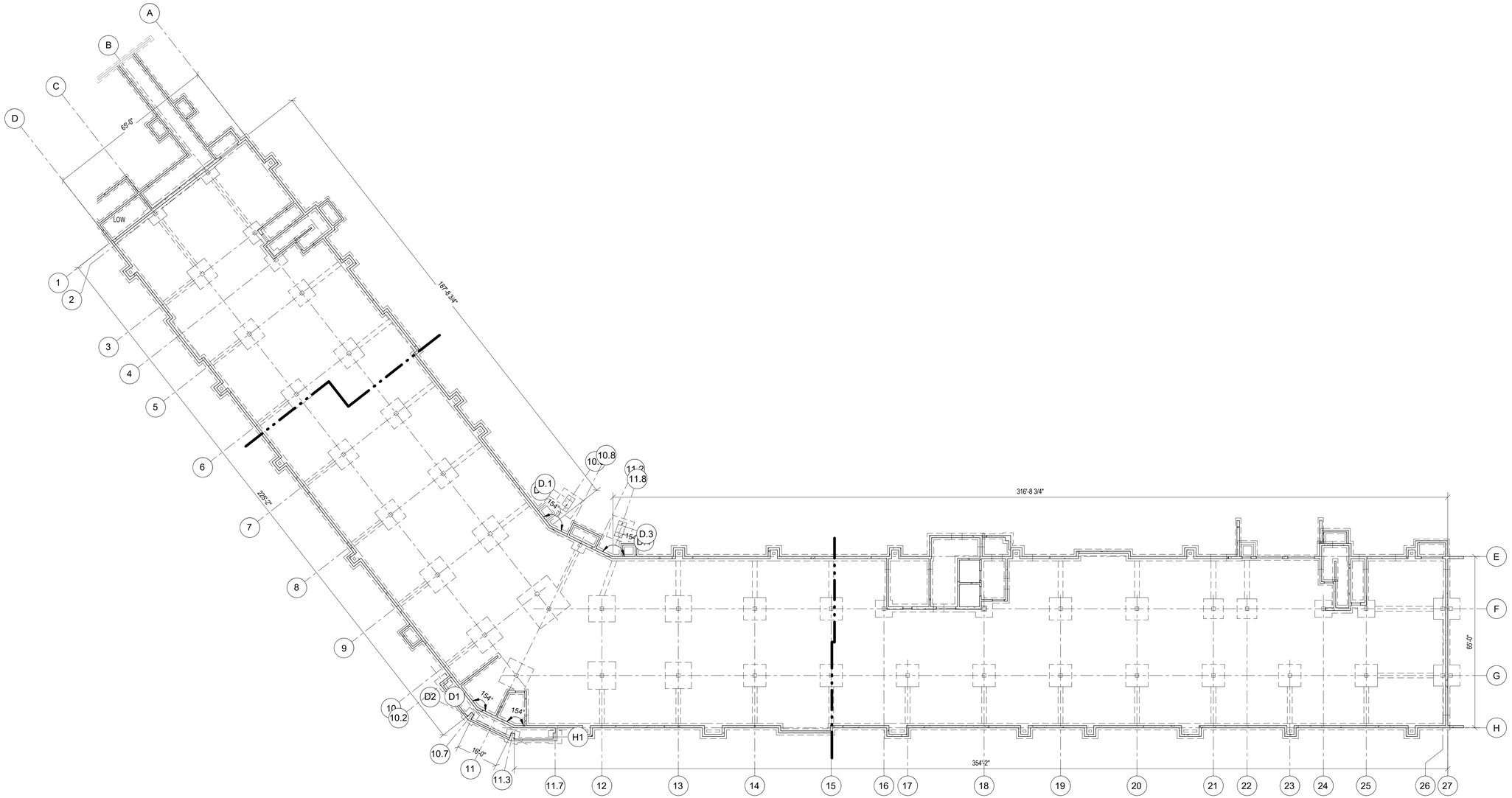
160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
SPECIAL INSPECTIONS

SHEET NO.
S003

2472-5



1 / S100 OVERALL FOUNDATION PLAN
1" = 20'-0"

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MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
OVERALL FOUNDATION PLAN

SHEET NO.
S100

2472-5

FOUNDATION PLAN NOTES:

1. TYPICAL INTERIOR SLAB ON GRADE, UNO
   THICKNESS = 4"
   REINFORCEMENT = SYNTHETIC FIBERS
   BASE = MIN OF 6" COMPACTED GRANULAR FILL, UNO BY GEOTECHNICAL REPORT
   VAPOR RETARDER/BARRIER = SEE ARCHITECTURAL
   TOP OF SLAB ELEVATION = 89'-0"
   SEE ARCH FOR SLOPES AND RECESSES

2. TOP OF EXTERIOR FOOTING ELEVATION, UNO = 88'-4"

3. TOP OF INTERIOR PAD FOOTING ELEVATION = 87'-4", UNO
   GENERAL CONTRACTOR TO VERIFY CLEARANCE FOR PLUMBING ABOVE FOOTINGS.

4. GENERAL CONTRACTOR TO VERIFY ELEVATOR PIT DEPTHS AND DIMENSIONS WITH ELEVATOR SUPPLIER.

5. LOCATIONS AND DEPTHS OF MEP PITS AND BASINS WILL REQUIRE ADJACENT FOOTINGS TO DROP TO PIT BASIN ELEVATION. MEP TO PROVIDE INFORMATION PRIOR TO CONSTRUCTION START.

6. (S)—— DENOTES STEP FOOTING, SEE 1/S301.

7. SEE DETAIL 4/S301 FOR PRECAST COLUMN BEARING CONDITION TYP.

8. ALL PERIMETER FOUNDATION WALLS TO BE 10" CIP, UNO.

1

9. CONTRACTOR HAS REQUESTED TO BACKFILL BASEMENT WALLS AFTER PRECAST INSTALL, BUT BEFORE INTERIOR SLAB ON GRADE. DESIGN ASSUMPTIONS ARE FOR EARLY BACKFILL. SEE PLAN LOCATIONS FOR 10/S302 DETAILING.
   - BACKFILL TO BE SAND WITH 55PCF PRESSURE.
   - PRECAST FULLY INSTALLED, GROUTED, AND CONNECTED TO FOUNDATION.
   - FACTOR OF SAFTY SLIDING RESISTANCE OF FOOTINGS AND BENDING OF EXTERIOR WALL FOOTING = 1.0, PER CONTRACTORS REQUEST FOR TEMPORARY CONSTRUCTION LOADING.
   - CONTINUOUS FOOTINGS HAVE BEEN UPSIZED TO SPAN BETWEEN GRADE BEAMS.
   - EARLY BACKFILL LIMITED TO 3'-0" BELOW TOP OF PODIUM ELEVATION.

KEYNOTES

LABEL	NOTE
8	GENERAL CONTRACTOR TO COORDINATE FOOTING ELEVATIONS TO PROVIDE FROST COVER PER GEOTECHNICAL REPORT AT AREA WELL.
9	GENERAL CONTRACTOR TO COORDINATE FOOTING STEPS/FOOTING ELEVATIONS WITH EOR AT LOCATIONS ADJACENT TO AREA WELL, PRIOR TO CONSTRUCTION.
10	DRILL & EPOXY HORIZONTAL FOOTING & FOUNDATION WALL REINFORCEMENT INTO EXISTING FOOTING AND FOUNDATION WITH 6" EMBEDMENT. SEE POST-INSTALLED ANCHOR NOTES.
11	TOP OF SLAB ELEVATION = 100'-0". SEE ARCH FOR SLAB SLOPES AND RECESSES.
12	CIP PARTITION WALL. SEE DETAIL 8/S301. TOP OF CIP WALL TO BE HELD 1 1/2" BELOW HOLLOWCORE TO ALLOW FOR DEFLECTION.
41	FOOTINGS TO BE CONTINUOUS THROUGH BUMPOUTS FOR EARLY BACKFILL REQUIREMENTS. STEM WALL NOT REQUIRED.

CONT FOOTING SCHEDULE

MARK	SIZE	THICKNESS	LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT	NOTES/COMMENTS
CF2	2'-0" CONT	1'-0"	(2) #5 CONT	#4 @ 4'-0" OC	-
CF2-6	2'-6" CONT	1'-0"	(3) #5 CONT	#4 @ 4'-0" OC	-
CF2-6B	2'-6" CONT	1'-0"	(3) #5 CONT BOTTOM (1) #5 CONT TOP - INSIDE FACE	#4 @ 4'-0" OC	EARLY BACKFILL
CF2A	2'-0" CONT	1'-0"	(2) #5 CONT	#4 @ 4'-0" OC	THICKENED SLAB
CF3	3'-0" CONT	1'-0"	(3) #5 CONT	#4 @ 4'-0" OC	-
CF3B	3'-0" CONT	1'-0"	(3) #5 CONT BOTTOM (1) #5 CONT TOP - INSIDE FACE	#4 @ 4'-0" OC	EARLY BACKFILL
CF8	8'-0" CONT	1'-4"	(9) #6 CONT	#6 @ 1'-0" OC	-

PAD FOOTING SCHEDULE

MARK	SIZE	THICKNESS	BOTTOM REINFORCEMENT EACH WAY	TOP REINFORCEMENT EACH WAY	NOTES/COMMENTS
F5	5'-0" SQ	1'-0"	(5) #5	-	-
F6-6	6'-6" SQ	1'-0"	(7) #5	-	-
F7-6	7'-6" SQ	1'-2"	(8) #6	-	-
F8-6	8'-6" SQ	1'-4"	(9) #6	-	-
F10	10'-0" SQ	1'-8"	(13) #6	-	-
F10-6	10'-6" SQ	1'-8"	(14) #6	-	-
F14-6	14'-6" SQ	1'-6"	(15) #6	-	-

PIER SCHEDULE

MARK	DETAIL	NOTES/COMMENTS
P1	4/S302	-
P2	6/S302	-
P3	7/S302	-
P4	8/S302	-

1 S101A FOUNDATION PLAN - AREA A
1/8" = 1'-0"

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Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

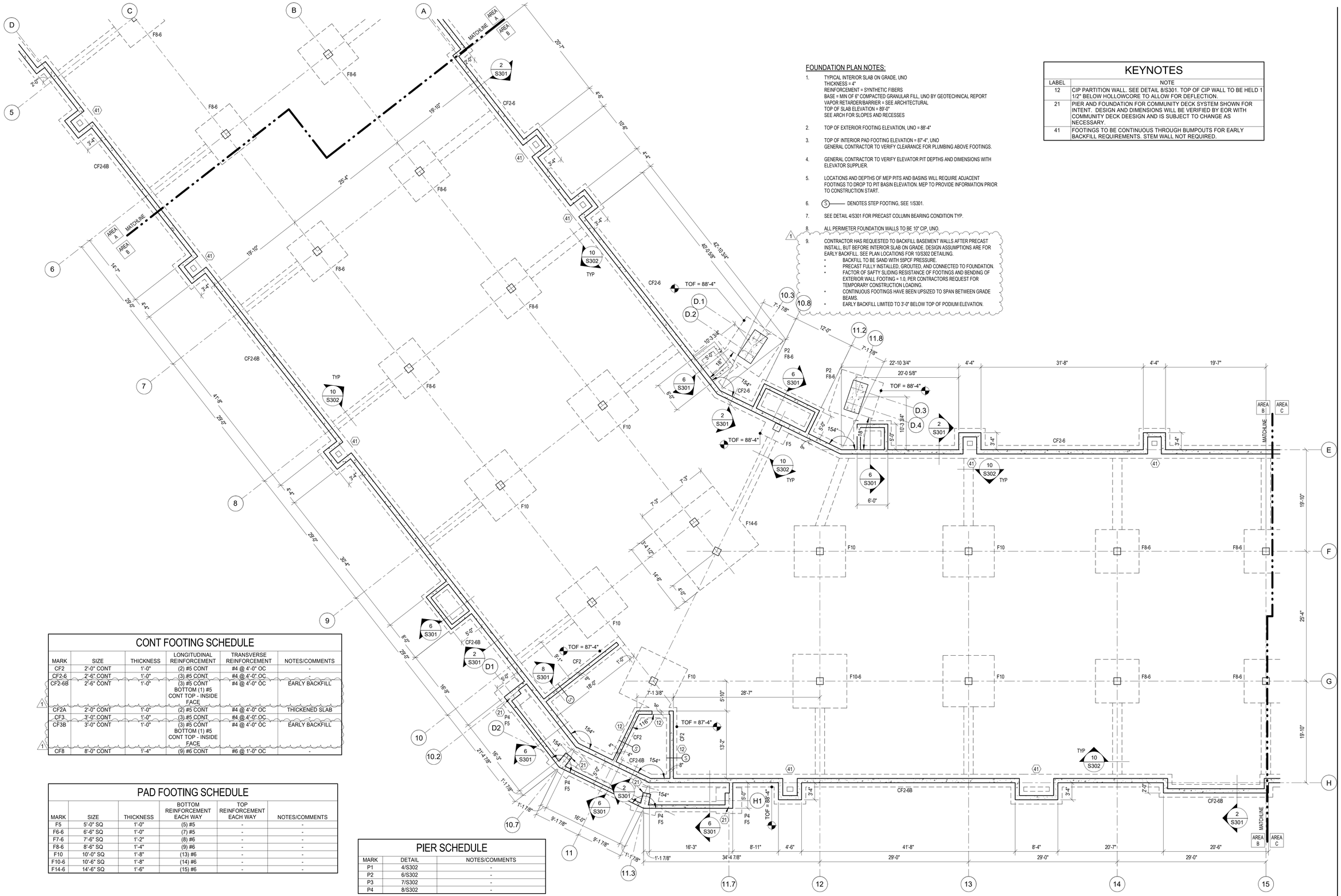
160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
FOUNDATION PLAN
AREA A

SHEET NO.
S101A

2472-5



CONT FOOTING SCHEDULE

MARK	SIZE	THICKNESS	LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT	NOTES/COMMENTS
CF2	2'-0" CONT	1'-0"	(2) #5 CONT	#4 @ 4'-0" OC	-
CF2-6	2'-6" CONT	1'-0"	(3) #5 CONT	#4 @ 4'-0" OC	-
CF2-6B	2'-6" CONT	1'-0"	(3) #5 CONT BOTTOM (1) #5 CONT TOP - INSIDE FACE	#4 @ 4'-0" OC	EARLY BACKFILL
CF2A	2'-0" CONT	1'-0"	(2) #5 CONT	#4 @ 4'-0" OC	THICKENED SLAB
CF3	3'-0" CONT	1'-0"	(3) #5 CONT	#4 @ 4'-0" OC	-
CF3B	3'-0" CONT	1'-0"	(3) #5 CONT BOTTOM (1) #5 CONT TOP - INSIDE FACE	#4 @ 4'-0" OC	EARLY BACKFILL
CF8	8'-0" CONT	1'-4"	(9) #6 CONT	#6 @ 1'-0" OC	-

PAD FOOTING SCHEDULE

MARK	SIZE	THICKNESS	BOTTOM REINFORCEMENT EACH WAY	TOP REINFORCEMENT EACH WAY	NOTES/COMMENTS
F5	5'-0" SQ	1'-0"	(5) #5	-	-
F6-6	6'-6" SQ	1'-0"	(7) #5	-	-
F7-6	7'-6" SQ	1'-2"	(8) #6	-	-
F8-6	8'-6" SQ	1'-4"	(9) #6	-	-
F10	10'-0" SQ	1'-8"	(13) #6	-	-
F10-6	10'-6" SQ	1'-8"	(14) #6	-	-
F14-6	14'-6" SQ	1'-6"	(15) #6	-	-

PIER SCHEDULE

MARK	DETAIL	NOTES/COMMENTS
P1	4/S302	-
P2	6/S302	-
P3	7/S302	-
P4	8/S302	-

1 S101B FOUNDATION PLAN - AREA B
1/8" = 1'-0"

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BP 03: Addendum 02 Drawings

SHEET CONTENTS:
FOUNDATION PLAN
AREA B

SHEET NO.
S101B

2472-5

FOUNDATION PLAN NOTES:

1. TYPICAL INTERIOR SLAB ON GRADE, UNO
   THICKNESS = 4"
   REINFORCEMENT = SYNTHETIC FIBERS
   BASE = MIN OF 6" COMPACTED GRANULAR FILL, UNO BY GEOTECHNICAL REPORT
   VAPOR RETARDER/BARRIER = SEE ARCHITECTURAL
   TOP OF SLAB ELEVATION = 89'-0"
   SEE ARCH FOR SLOPES AND RECESSES
2. TOP OF EXTERIOR FOOTING ELEVATION, UNO = 88'-4"
3. TOP OF INTERIOR PAD FOOTING ELEVATION = 87'-4", UNO
   GENERAL CONTRACTOR TO VERIFY CLEARANCE FOR PLUMBING ABOVE FOOTINGS.
4. GENERAL CONTRACTOR TO VERIFY ELEVATOR PIT DEPTHS AND DIMENSIONS WITH ELEVATOR SUPPLIER.
5. LOCATIONS AND DEPTHS OF MEP PITS AND BASINS WILL REQUIRE ADJACENT FOOTINGS TO DROP TO PIT BASIN ELEVATION. MEP TO PROVIDE INFORMATION PRIOR TO CONSTRUCTION START.
6. (S) —— DENOTES STEP FOOTING, SEE 1/S301.
7. SEE DETAIL 4/S301 FOR PRECAST COLUMN BEARING CONDITION TYP.
8. ALL PERIMETER FOUNDATION WALLS TO BE 10" CIP, UNO.
9. CONTRACTOR HAS REQUESTED TO BACKFILL BASEMENT WALLS AFTER PRECAST INSTALL, BUT BEFORE INTERIOR SLAB ON GRADE. DESIGN ASSUMPTIONS ARE FOR EARLY BACKFILL. SEE PLAN LOCATIONS FOR 10/S302 DETAILING.
   - BACKFILL TO BE SAND WITH 55PCF PRESSURE.
   - PRECAST FULLY INSTALLED, GROUTED, AND CONNECTED TO FOUNDATION.
   - FACTOR OF SAFTY SLIDING RESISTANCE OF FOOTINGS AND BENDING OF EXTERIOR WALL FOOTING = 1.0, PER CONTRACTORS REQUEST FOR TEMPORARY CONSTRUCTION LOADING.
   - CONTINUOUS FOOTINGS HAVE BEEN UPSIZED TO SPAN BETWEEN GRADE BEAMS.
   - EARLY BACKFILL LIMITED TO 3'-0" BELOW TOP OF PODIUM ELEVATION.

KEYNOTES

LABEL	NOTE
8	GENERAL CONTRACTOR TO COORDINATE FOOTING ELEVATIONS TO PROVIDE FROST COVER PER GEOTECHNICAL REPORT AT AREA WELL.
9	GENERAL CONTRACTOR TO COORDINATE FOOTING STEPS/FOOTING ELEVATIONS WITH EOR AT LOCATIONS ADJACENT TO AREA WELL, PRIOR TO CONSTRUCTION.
12	CIP PARTITION WALL. SEE DETAIL 8/S301. TOP OF CIP WALL TO BE HELD 1 1/2" BELOW HOLLOWCORE TO ALLOW FOR DEFLECTION.
17	CIP RETAINING WALL, SEE CIVIL FOR RETAINING WALL EXTENTS. GC TO STEP CIP RAMP WALL FOOTINGS AS NEEDED TO MAINTAIN 5'-0" MINIMUM FROST COVER TO BOTTOM OF FOOTING. CONCRETE RAMP TO BE A PERMANENT RESTRAINT FOR SLIDING STABILITY OF WALL. ADJACENT FOOTING STOOP ELEVATIONS TO MATCH RETAINING WALL FOOTINGS.
19	FUTURE ADDITION. FOUNDATION IS DESIGNED TO RECEIVE LOADS FROM AN EQUIVALENT BUILDING SIZE AND SYSTEM MATCH THESE DOCUMENTS. PRECAST SYSTEMS ARE TO BE EQUIVALENT WITH 29'-0" MAXIMUM SPACING BETWEEN PRECAST COLUMNS.
22	GC/ARCH TO VERIFY WITH ELEVATOR SUPPLIER IF ELEVATOR SEPARATION WALL IS ACCEPTABLE.
38	PROVIDE A BOND BREAK BETWEEN EXTERIOR FOUNDATION WALL AND SITE RETAINING WALL. REINFORCEMENT TO TERMINATE ON EACH SIDE OF BOND BREAK.
41	FOOTINGS TO BE CONTINUOUS THROUGH BUMPOUTS FOR EARLY BACKFILL REQUIREMENTS. STEM WALL NOT REQUIRED.

PAD FOOTING SCHEDULE

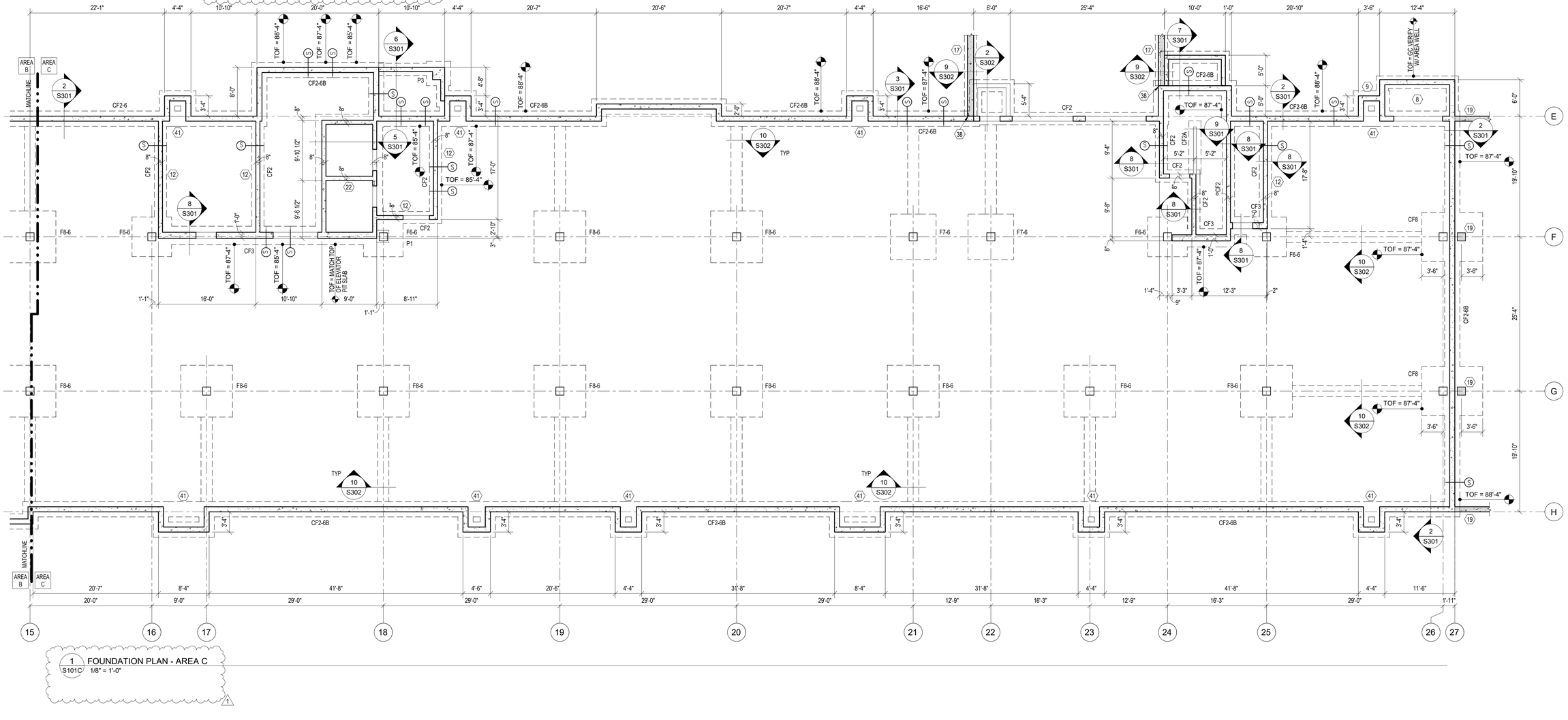
MARK	SIZE	THICKNESS	BOTTOM REINFORCEMENT EACH WAY	TOP REINFORCEMENT EACH WAY	NOTES/COMMENTS
F5	5'-0" SQ	1'-0"	(5) #5	-	-
F6-6	6'-6" SQ	1'-0"	(7) #5	-	-
F7-6	7'-6" SQ	1'-2"	(8) #6	-	-
F8-6	8'-6" SQ	1'-4"	(9) #6	-	-
F10	10'-0" SQ	1'-8"	(13) #6	-	-
F10-6	10'-6" SQ	1'-8"	(14) #6	-	-
F14-6	14'-6" SQ	1'-6"	(15) #6	-	-

CONT FOOTING SCHEDULE

MARK	SIZE	THICKNESS	LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT	NOTES/COMMENTS
CF2	2'-0" CONT	1'-0"	(2) #5 CONT	#4 @ 4'-0" OC	-
CF2-6	2'-6" CONT	1'-0"	(3) #5 CONT	#4 @ 4'-0" OC	-
CF2-6B	2'-6" CONT	1'-0"	(3) #5 CONT BOTTOM (1) #5 CONT TOP - INSIDE FACE	#4 @ 4'-0" OC	EARLY BACKFILL
CF2A	2'-0" CONT	1'-0"	(2) #5 CONT	#4 @ 4'-0" OC	THICKENED SLAB
CF3	3'-0" CONT	1'-0"	(3) #5 CONT	#4 @ 4'-0" OC	-
CF3B	3'-0" CONT	1'-0"	(3) #5 CONT BOTTOM (1) #5 CONT TOP - INSIDE FACE	#4 @ 4'-0" OC	EARLY BACKFILL
CF8	8'-0" CONT	1'-4"	(9) #6 CONT	#6 @ 1'-0" OC	-

PIER SCHEDULE

MARK	DETAIL	NOTES/COMMENTS
P1	4/S302	-
P2	6/S302	-
P3	7/S302	-
P4	8/S302	-



1 FOUNDATION PLAN - AREA C (S101C)
1/8" = 1'-0"

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SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
FOUNDATION PLAN
AREA C

SHEET NO.
S101C

2472-5

PRECAST FRAMING PLAN NOTES:

1. TOP OF PRECAST PLANK = 99'-10" UNO
2. PRECAST TOPPING TO BE 2" CIP CONCRETE REINFORCED WITH SYNTHETIC FIBERS. TOPPING TO BE NON-COMPOSITE FOR PRECAST DESIGN.
3. PRECAST SUPPIER TO PROVIDE CHASE FOR ELECTRICAL FEEDER LINES THROUGH PRECAST. COORDINATE WITH GENERAL CONTRACTOR.
4. SEE SHEET S220 FOR LOADING TO PRECAST.

KEYNOTES

LABEL	NOTE
11	TOP OF SLAB ELEVATION = 100'-0". SEE ARCH FOR SLAB SLOPES AND RECESSES.
12	CIP PARTITION WALL. SEE DETAIL 8/S301. TOP OF CIP WALL TO BE HELD 1 1/2" BELOW HOLLOWCORE TO ALLOW FOR DEFLECTION.
13	8" HOLLOWCORE PLANK
14	SEE DETAIL 6/S412 FOR FULL RUN STAIR FRAMING.

COLUMN SCHEDULE

MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302

PRECAST COLUMN SCHEDULE

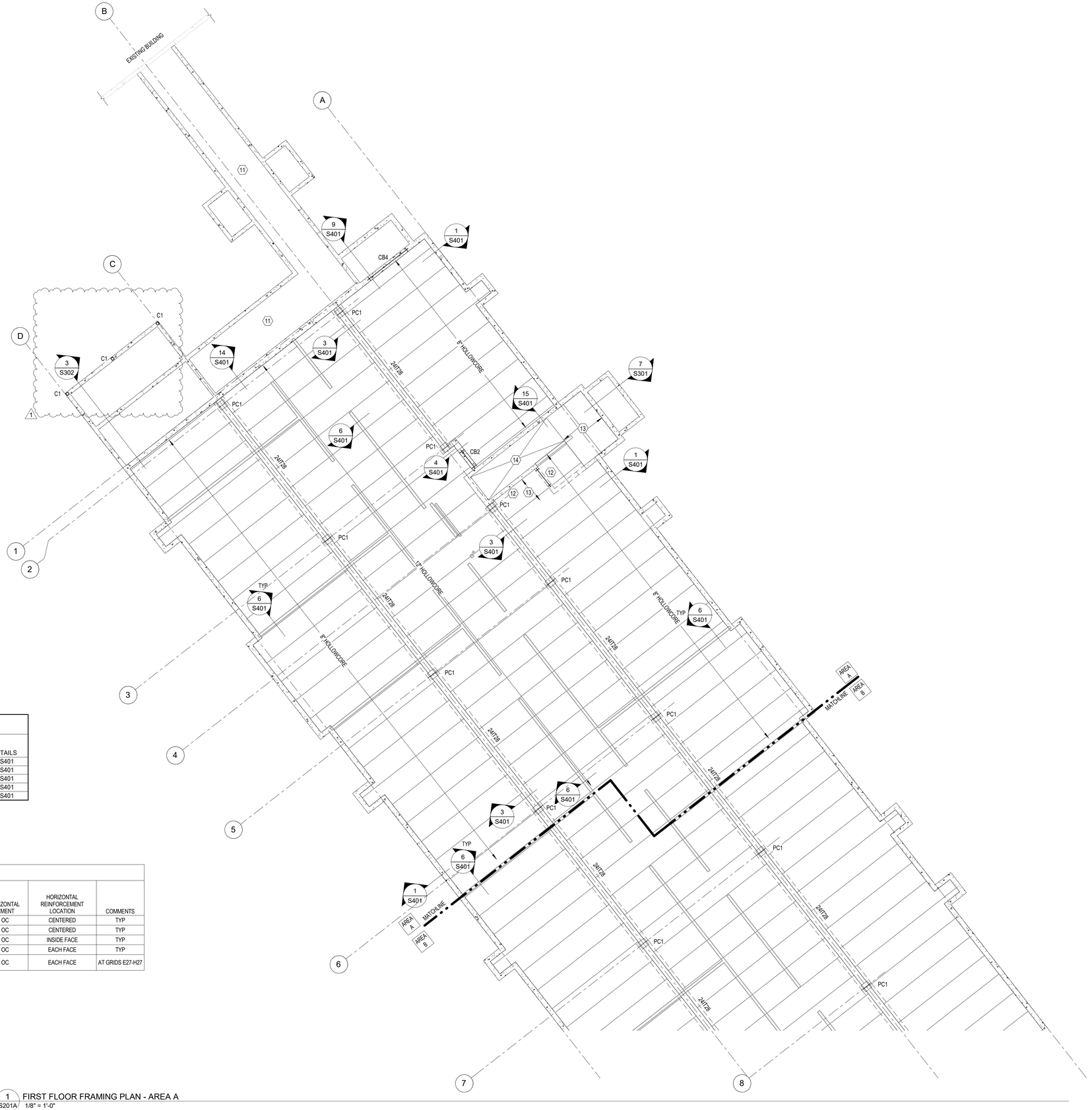
MARK	SIZE	BASE PLATE TYPE	ANCHOR ROD TYPE	COMMENTS
PC1	16"x16" PRECAST	BY SUPPLIER	BY SUPPLIER	-

CIP CONCRETE BEAM SCHEDULE

MARK	WIDTH	DEPTH	TOP LONGIT REINF	BOT LONGIT REINF	TYP STIRRUPS	STIRRUPS @ ENDS	DIST FROM BM END FOR END STIRRUPS	DETAILS
CB1	12"	1'-8"	(3) #6	(3) #6	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB2	12"	1'-4"	(2) #5	(2) #5	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB3	10"	1'-8"	(2) #6	(4) #6	#3 @ 6" OC	#3 @ 6" OC	-	7/S401
CB4	10"	1'-8"	(3) #6	(3) #6	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB5	10"	1'-4"	(2) #5	(2) #5	#3 @ 8" OC	#3 @ 8" OC	-	7/S401

C.I.P. WALL REINFORCEMENT

WALL TYPE	APPLICATION	TYPICAL VERTICAL REINFORCEMENT	VERTICAL REINFORCEMENT LOCATION	TYPICAL HORIZONTAL REINFORCEMENT	HORIZONTAL REINFORCEMENT LOCATION	COMMENTS
8" CIP	INTERIOR	#5 @ 1'-6" OC	CENTERED	#4 @ 1'-0" OC	CENTERED	TYP
12" CIP	INTERIOR	#5 @ 1'-6" OC	CENTERED	#4 @ 1'-0" OC	CENTERED	TYP
10" CIP	EXTERIOR	#5 @ 1'-0" OC	INSIDE FACE	#5 @ 1'-0" OC	INSIDE FACE	TYP
14" CIP	EXTERIOR	#5 @ 1'-4" OC	EACH FACE	#5 @ 1'-0" OC	EACH FACE	TYP
10" CIP	EXTERIOR	#5 @ 1'-0" OC	EACH FACE	#5 @ 1'-0" OC	EACH FACE	AT GRIDS E27-H27



1 S201A FIRST FLOOR FRAMING PLAN - AREA A
1/8" = 1'-0"

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Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

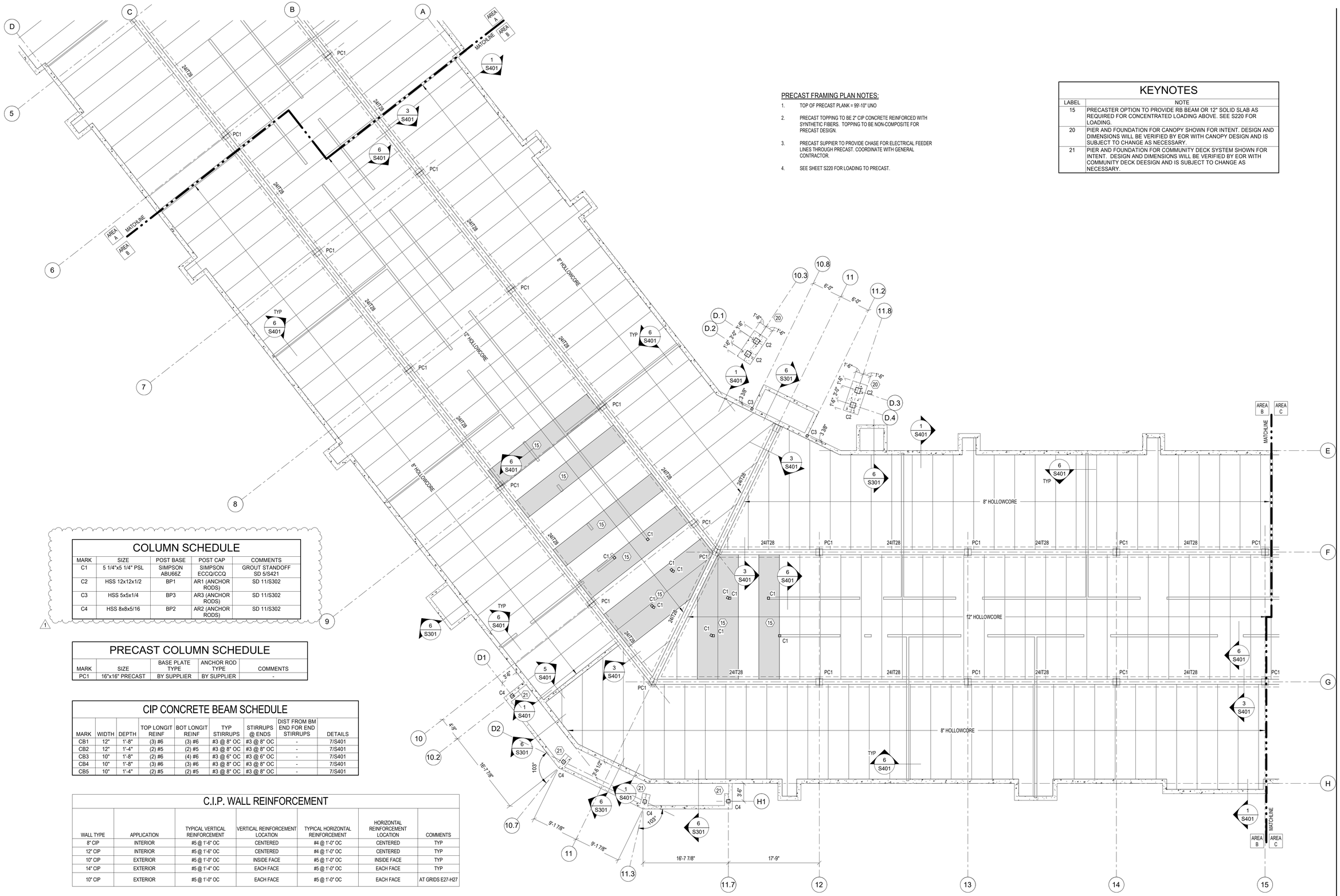
160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
FIRST FLOOR FRAMING AREA A

SHEET NO.
S201A

2472-5



PRECAST FRAMING PLAN NOTES:

1. TOP OF PRECAST PLANK = 99'-10" UNO
2. PRECAST TOPPING TO BE 2" CIP CONCRETE REINFORCED WITH SYNTHETIC FIBERS. TOPPING TO BE NON-COMPOSITE FOR PRECAST DESIGN.
3. PRECAST SUPPIER TO PROVIDE CHASE FOR ELECTRICAL FEEDER LINES THROUGH PRECAST. COORDINATE WITH GENERAL CONTRACTOR.
4. SEE SHEET S220 FOR LOADING TO PRECAST.

KEYNOTES

LABEL	NOTE
15	PRECASTER OPTION TO PROVIDE RB BEAM OR 12" SOLID SLAB AS REQUIRED FOR CONCENTRATED LOADING ABOVE. SEE S220 FOR LOADING.
20	PIER AND FOUNDATION FOR CANOPY SHOWN FOR INTENT. DESIGN AND DIMENSIONS WILL BE VERIFIED BY EOR WITH CANOPY DESIGN AND IS SUBJECT TO CHANGE AS NECESSARY.
21	PIER AND FOUNDATION FOR COMMUNITY DECK SYSTEM SHOWN FOR INTENT. DESIGN AND DIMENSIONS WILL BE VERIFIED BY EOR WITH COMMUNITY DECK DEESIGN AND IS SUBJECT TO CHANGE AS NECESSARY.

COLUMN SCHEDULE

MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302

PRECAST COLUMN SCHEDULE

MARK	SIZE	BASE PLATE TYPE	ANCHOR ROD TYPE	COMMENTS
PC1	16"x16" PRECAST	BY SUPPLIER	BY SUPPLIER	-

CIP CONCRETE BEAM SCHEDULE

MARK	WIDTH	DEPTH	TOP LONGIT REINF	BOT LONGIT REINF	TYP STIRRUPS	STIRRUPS @ ENDS	DIST FROM BM END FOR END STIRRUPS	DETAILS
CB1	12"	1'-8"	(3) #6	(3) #6	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB2	12"	1'-4"	(2) #5	(2) #5	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB3	10"	1'-8"	(2) #6	(4) #6	#3 @ 6" OC	#3 @ 6" OC	-	7/S401
CB4	10"	1'-8"	(3) #6	(3) #6	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB5	10"	1'-4"	(2) #5	(2) #5	#3 @ 8" OC	#3 @ 8" OC	-	7/S401

C.I.P. WALL REINFORCEMENT

WALL TYPE	APPLICATION	TYPICAL VERTICAL REINFORCEMENT	VERTICAL REINFORCEMENT LOCATION	TYPICAL HORIZONTAL REINFORCEMENT	HORIZONTAL REINFORCEMENT LOCATION	COMMENTS
8" CIP	INTERIOR	#5 @ 1'-6" OC	CENTERED	#4 @ 1'-0" OC	CENTERED	TYP
12" CIP	INTERIOR	#5 @ 1'-6" OC	CENTERED	#4 @ 1'-0" OC	CENTERED	TYP
10" CIP	EXTERIOR	#5 @ 1'-0" OC	INSIDE FACE	#5 @ 1'-0" OC	INSIDE FACE	TYP
14" CIP	EXTERIOR	#5 @ 1'-4" OC	EACH FACE	#5 @ 1'-0" OC	EACH FACE	TYP
10" CIP	EXTERIOR	#5 @ 1'-0" OC	EACH FACE	#5 @ 1'-0" OC	EACH FACE	AT GRIDS E27-H27

1 S201B FIRST FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions #	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
FIRST FLOOR FRAMING AREA B

SHEET NO.
S201B

2472-5

PRECAST FRAMING PLAN NOTES:

1. TOP OF PRECAST PLANK = 99'-10" UNO
2. PRECAST TOPPING TO BE 2" CIP CONCRETE REINFORCED WITH SYNTHETIC FIBERS. TOPPING TO BE NON-COMPOSITE FOR PRECAST DESIGN.
3. PRECAST SUPPIER TO PROVIDE CHASE FOR ELECTRICAL FEEDER LINES THROUGH PRECAST. COORDINATE WITH GENERAL CONTRACTOR.
4. SEE SHEET S220 FOR LOADING TO PRECAST.

KEYNOTES

LABEL	NOTE
7	VERIFY IF WALL IS REQUIRED TO BE OMITTED DURING CONSTRUCTION FOR ELEVATOR EQUIPMENT INSTALLATION. COORDINATE WITH PRECAST SUPPLIER.
12	CIP PARTITION WALL. SEE DETAIL 8/S301. TOP OF CIP WALL TO BE HELD 1 1/2" BELOW HOLLOWCORE TO ALLOW FOR DEFLECTION.
13	8" HOLLOWCORE PLANK
14	SEE DETAIL 6/S412 FOR FULL RUN STAIR FRAMING.
16	PRECAST SUPPLIER TO PROVIDE FRAMED OPENING AROUND TRASH CHUTE. SEE ARCHITECTURAL FOR ROUGH OPENING SIZE.
17	CIP RETAINING WALL. SEE CIVIL FOR RETAINING WALL EXTENTS. GC TO STEP CIP RAMP WALL FOOTINGS AS NEEDED TO MAINTAIN 5'-0" MINIMUM FROST COVER TO BOTTOM OF FOOTING. CONCRETE RAMP TO BE A PERMANENT RESTRAINT FOR SLIDING STABILITY OF WALL. ADJACENT FOOTING STOOP ELEVATIONS TO MATCH RETAINING WALL FOOTINGS.
18	HOLLOWCORE TO CANTILEVER HERE TO RECEIVE WOOD WALLS ABOVE. PRECASTER TO DESIGN FOR ADDITIONAL LOAD PER DETAIL 10/S401.
19	FUTURE ADDITION. FOUNDATION IS DESIGNED TO RECEIVE LOADS FROM AN EQUIVALENT BUILDING SIZE AND SYSTEM MATCH THESE DOCUMENTS. PRECAST SYSTEMS ARE TO BE EQUIVALENT WITH 29'-0" MAXIMUM SPACING BETWEEN PRECAST COLUMNS.
22	GC/ARCH TO VERIFY WITH ELEVATOR SUPPLIER IF ELEVATOR SEPARATION WALL IS ACCEPTABLE.
38	PROVIDE A BOND BREAK BETWEEN EXTERIOR FOUNDATION WALL AND SITE RETAINING WALL. REINFORCEMENT TO TERMINATE ON EACH SIDE OF BOND BREAK.

PRECAST COLUMN SCHEDULE

MARK	SIZE	BASE PLATE TYPE	ANCHOR ROD TYPE	COMMENTS
PC1	16"x16" PRECAST	BY SUPPLIER	BY SUPPLIER	-

COLUMN SCHEDULE

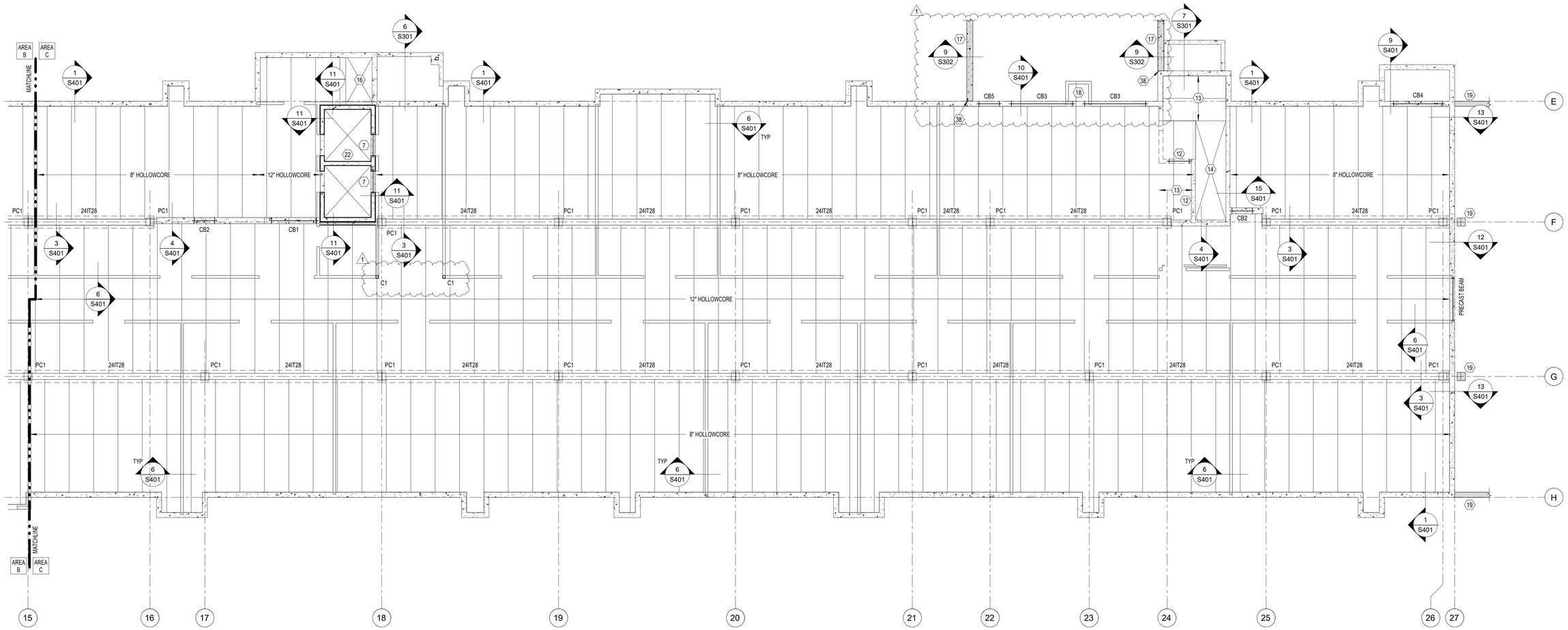
MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302

CIP CONCRETE BEAM SCHEDULE

MARK	WIDTH	DEPTH	TOP LONGIT REINF	BOT LONGIT REINF	TYP STIRRUPS	STIRRUPS @ ENDS	DIST FROM BM END FOR END STIRRUPS	DETAILS
CB1	12"	1'-8"	(3) #6	(3) #6	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB2	12"	1'-4"	(2) #5	(2) #5	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB3	10"	1'-8"	(2) #6	(4) #6	#3 @ 6" OC	#3 @ 6" OC	-	7/S401
CB4	10"	1'-8"	(3) #6	(3) #6	#3 @ 8" OC	#3 @ 8" OC	-	7/S401
CB5	10"	1'-4"	(2) #5	(2) #5	#3 @ 8" OC	#3 @ 8" OC	-	7/S401

C.I.P. WALL REINFORCEMENT

WALL TYPE	APPLICATION	TYPICAL VERTICAL REINFORCEMENT	VERTICAL REINFORCEMENT LOCATION	TYPICAL HORIZONTAL REINFORCEMENT	HORIZONTAL REINFORCEMENT LOCATION	COMMENTS
8" CIP	INTERIOR	#5 @ 1'-6" OC	CENTERED	#4 @ 1'-0" OC	CENTERED	TYP
12" CIP	INTERIOR	#5 @ 1'-6" OC	CENTERED	#4 @ 1'-0" OC	CENTERED	TYP
10" CIP	EXTERIOR	#5 @ 1'-0" OC	INSIDE FACE	#5 @ 1'-0" OC	INSIDE FACE	TYP
14" CIP	EXTERIOR	#5 @ 1'-4" OC	EACH FACE	#5 @ 1'-0" OC	EACH FACE	TYP
10" CIP	EXTERIOR	#5 @ 1'-0" OC	EACH FACE	#5 @ 1'-0" OC	EACH FACE	AT GRIDS E27-H27



1 S201C FIRST FLOOR FRAMING PLAN - AREA C
1/8" = 1'-0"

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Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions #	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

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MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
FIRST FLOOR FRAMING AREA C

SHEET NO.
S201C

2472-5

FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 110'-1 1/8" UNO
2. FLOOR FRAMING TO BE 24" DEEP TRUSSES @ 2'-0' OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. CANOPY DECK, UNO = 1 1/2", TYPE B, 22 GAUGE

   CANOPY DECK FASTENING:
   TYPICAL: 5/8" ARC SPOT WELDS AT 36/4 PATTERN
   SIDELAP FASTENERS: #10 TEK - (4) PER SPAN
   DECK LAPS: 5/8" ARC SPOT WELDS AT 36/4 PATTERN
   DECK PERIMETER: 5/8" ARC SPOT WELDS AT 6" OC

   PIN OPTION:
   TYPICAL: HILTI X-HSN24 FASTENERS AT 36/4 PATTERN
   SIDELAP FASTENERS: #10 TEK - (5) PER SPAN
   DECK LAPS: HILTI X-HSN24 FASTENERS AT 36/4 PATTERN
   DECK PERIMETER: HILTI X-HSN24 FASTENERS AT 6" OC
5. - INDICATES BEAM CONTINUOUS OVER COLUMN.

KEYNOTES

LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
5	ALUMINUM BALCONY SYSTEM BY SUPPLIER. SEE DETAIL 2/S411 FOR TYPICAL CONNECTION.
14	SEE DETAIL 6/S412 FOR FULL RUN STAIR FRAMING.
23	SLOPED ROOF TRUSSES @ 24" OC. TRUSS BEARING ELEVATION = 110'-1 1/8".
24	(2) 2x10 JOISTS @ 1'-4" OC.
26	SUSPENDED CANOPY BY CANOPY SUPPLIER. BLOCKING TO BE PROVIDED UPON FINAL SHOP DRAWING REVIEW. DESIGN FOR TOTAL SL = 105 PSF.
27	(3) 1 3/4"x7 1/4" CONTINUOUS LVL PLATES REQUIRED AT TYPICAL FLOOR SHEATHING ELEVATION ((1) SILL PLATE & (2) TOP PLATES). 2x8 WALL STUDS @ 1'-4" OC TYP.
28	SIMPSON CS14 COIL STRAP. SD 11/S411 FOR CONDITION.
32	OPEN TO BELOW.
34	PROVIDE 2X4 JACK AND KING STUDS IN LIEU OF 2X6 STUDS IN SCHEDULE FOR 2X4 WALL.
40	TRUSS SUPPLIER TO EXTEND STRUCTURAL LADDER TRUSS OUT TO PICK UP WALLS ABOVE. SEE DETAIL 12/S412 FOR LOADING.
42	EXISTING BUILDING. REACH OUT TO EOR FOR TRUSS CONNECTION TO EXISTING BUILDING.
43	PROVIDE SIMPSON CS14 COIL STRAP FROM LVL PLATES TO STAIR WALL PLATES WITH 19" END LENGTH TYP.

HEADER SCHEDULE

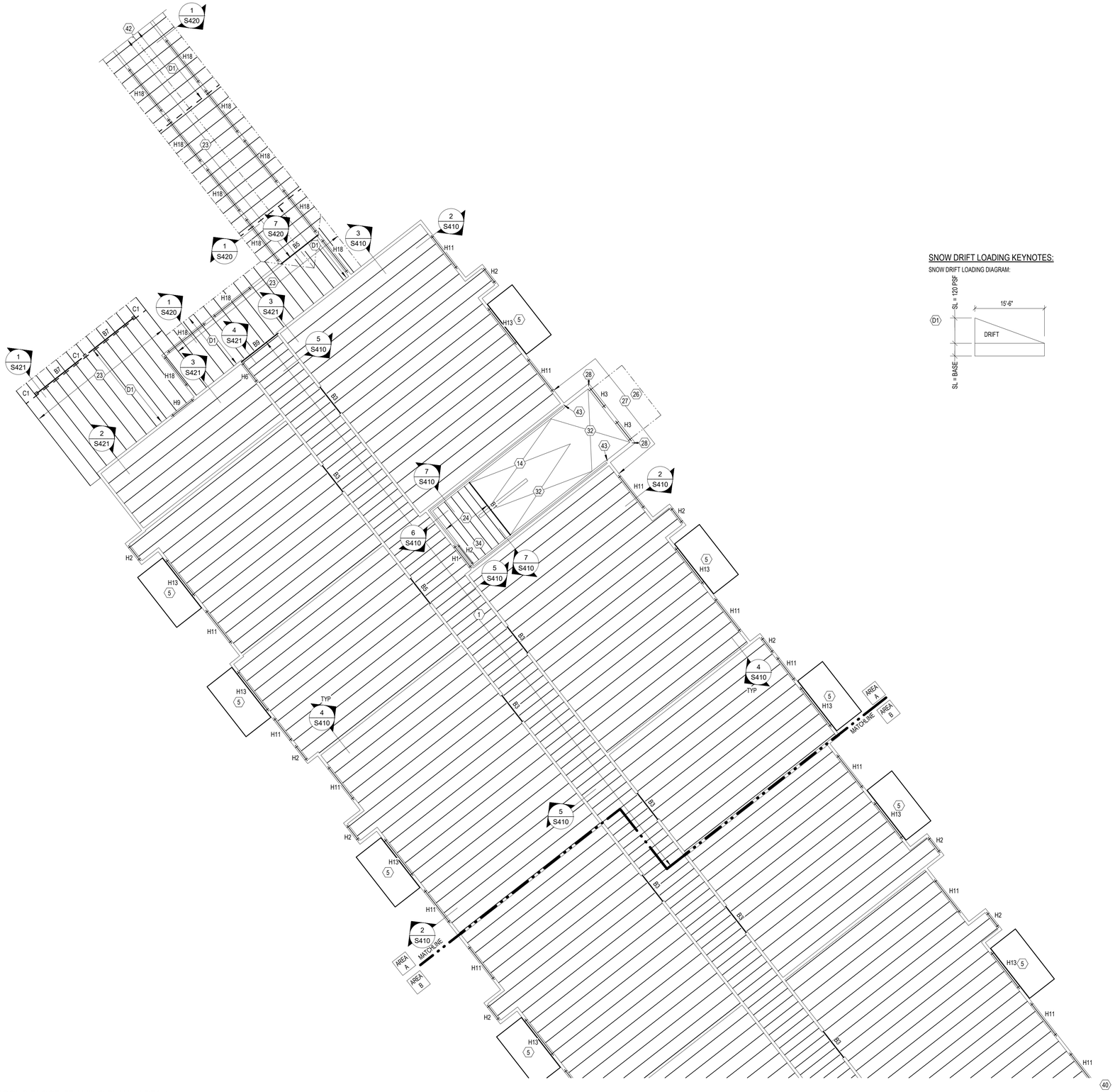
MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

COLUMN SCHEDULE

MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302



1 S202A SECOND FLOOR FRAMING PLAN - AREA A
1/8" = 1'-0"

SNOW DRIFT LOADING KEYNOTES:

SNOW DRIFT LOADING DIAGRAM:

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BP 03: Addendum 02 Drawings

SHEET CONTENTS:
SECOND FLOOR FRAMING AREA A

SHEET NO.
S202A
1
2472-5

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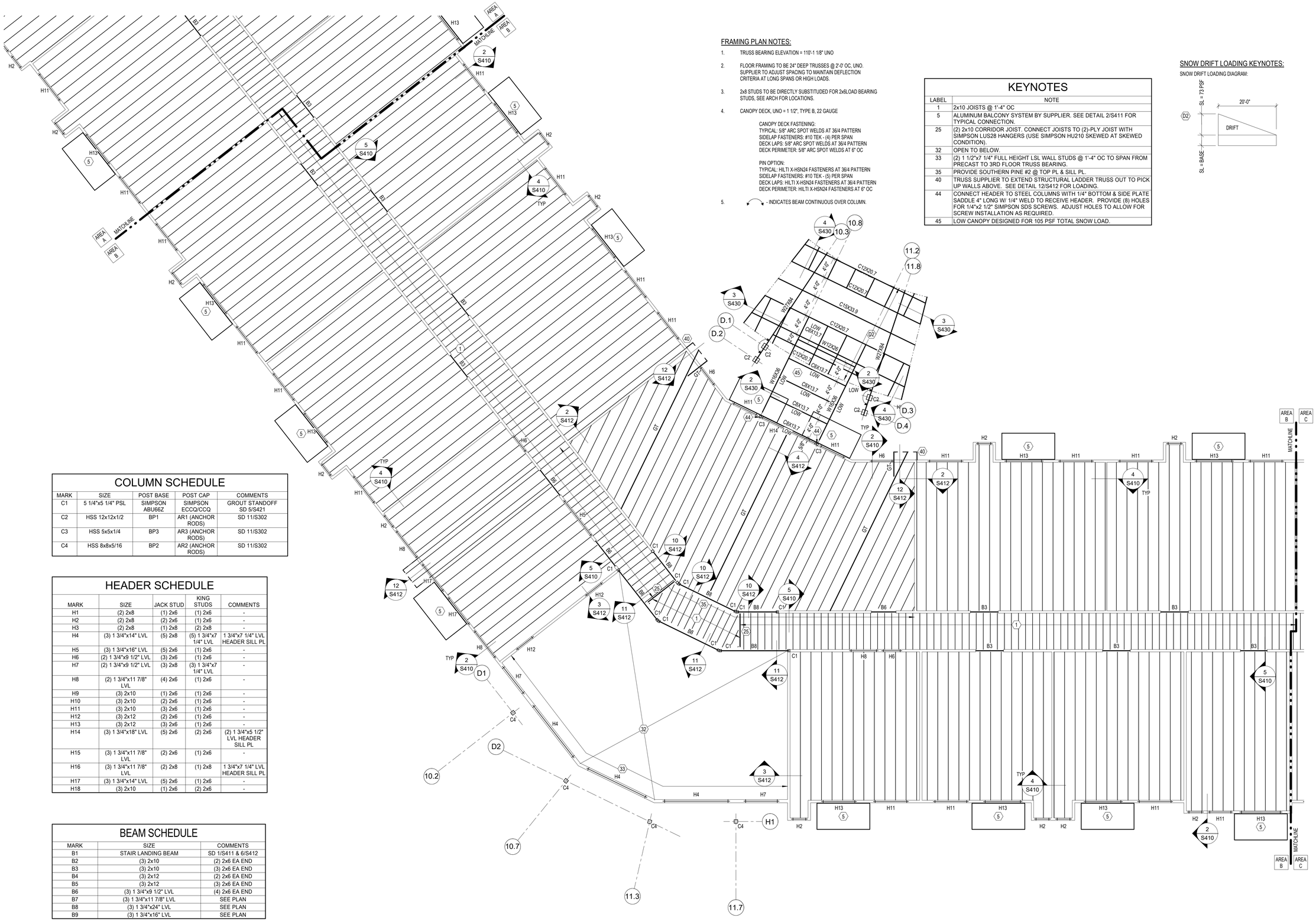

FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 110'-1 1/8" UNO
2. FLOOR FRAMING TO BE 24" DEEP TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x6 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. CANOPY DECK, UNO = 1 1/2", TYPE B, 22 GAUGE

   CANOPY DECK FASTENING:
   TYPICAL: 5/8" ARC SPOT WELDS AT 36/4 PATTERN
   SIDELAP FASTENERS: #10 TEK - (4) PER SPAN
   DECK LAPS: 5/8" ARC SPOT WELDS AT 36/4 PATTERN
   DECK PERIMETER: 5/8" ARC SPOT WELDS AT 6" OC

   PIN OPTION:
   TYPICAL: HILTI X-HSN24 FASTENERS AT 36/4 PATTERN
   SIDELAP FASTENERS: #10 TEK - (5) PER SPAN
   DECK LAPS: HILTI X-HSN24 FASTENERS AT 36/4 PATTERN
   DECK PERIMETER: HILTI X-HSN24 FASTENERS AT 6" OC
5. - INDICATES BEAM CONTINUOUS OVER COLUMN.

KEYNOTES

LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
5	ALUMINUM BALCONY SYSTEM BY SUPPLIER. SEE DETAIL 2/S411 FOR TYPICAL CONNECTION.
25	(2) 2x10 CORRIDOR JOIST. CONNECT JOISTS TO (2)-PLY JOIST WITH SIMPSON LUS28 HANGERS (USE SIMPSON HU210 SKEWED AT SKEWED CONDITION).
32	OPEN TO BELOW.
33	(2) 1 1/2"x7 1/4" FULL HEIGHT LSL WALL STUDS @ 1'-4" OC TO SPAN FROM PRECAST TO 3RD FLOOR TRUSS BEARING.
35	PROVIDE SOUTHERN PINE #2 @ TOP PL & SILL PL.
40	TRUSS SUPPLIER TO EXTEND STRUCTURAL LADDER TRUSS OUT TO PICK UP WALLS ABOVE. SEE DETAIL 12/S412 FOR LOADING.
44	CONNECT HEADER TO STEEL COLUMNS WITH 1/4" BOTTOM & SIDE PLATE SADDLE 4" LONG W/ 1/4" WELD TO RECEIVE HEADER. PROVIDE (8) HOLES FOR 1/4"x2 1/2" SIMPSON SDS SCREWS. ADJUST HOLES TO ALLOW FOR SCREW INSTALLATION AS REQUIRED.
45	LOW CANOPY DESIGNED FOR 105 PSF TOTAL SNOW LOAD.

SNOW DRIFT LOADING KEYNOTES:

SNOW DRIFT LOADING DIAGRAM:

COLUMN SCHEDULE

MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

1 S202B SECOND FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions		
#	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
SECOND FLOOR FRAMING AREA B

SHEET NO.
S202B
1
2472-5

FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 110'-1 1/8" UNO
2. FLOOR FRAMING TO BE 24" DEEP TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. CANOPY DECK, UNO = 1 1/2", TYPE B, 22 GAUGE

   CANOPY DECK FASTENING:
   TYPICAL: 5/8" ARC SPOT WELDS AT 36/4 PATTERN
   SIDELAP FASTENERS: #10 TEK - (4) PER SPAN
   DECK LAPS: 5/8" ARC SPOT WELDS AT 36/4 PATTERN
   DECK PERIMETER: 5/8" ARC SPOT WELDS AT 6" OC

   PIN OPTION:
   TYPICAL: HILTI X-HSN24 FASTENERS AT 36/4 PATTERN
   SIDELAP FASTENERS: #10 TEK - (5) PER SPAN
   DECK LAPS: HILTI X-HSN24 FASTENERS AT 36/4 PATTERN
   DECK PERIMETER: HILTI X-HSN24 FASTENERS AT 6" OC
5. ⌒ - INDICATES BEAM CONTINUOUS OVER COLUMN.

KEYNOTES

LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
4	RATED TRASH CHUTE, SEE ARCH FOR ROUGH OPENING. TRASH CHUTE TO BE FRAMED OUT OF 2x10 JOISTS @ FLOORS & BY TRUSS SUPPLIER @ ROOF. USE (2) 2x10 JOISTS TO FRAME THE OPENING WITH SIMPSON LUS FACE-MOUNT HANGERS AS SHOWN ON PLAN.
5	ALUMINUM BALCONY SYSTEM BY SUPPLIER. SEE DETAIL 2/S411 FOR TYPICAL CONNECTION.
7	VERIFY IF WALL IS REQUIRED TO BE OMITTED DURING CONSTRUCTION FOR ELEVATOR EQUIPMENT INSTALLATION. COORDINATE WITH PRECAST SUPPLIER.
14	SEE DETAIL 6/S412 FOR FULL RUN STAIR FRAMING.
24	(2) 2x10 JOISTS @ 1'-4" OC.
26	SUSPENDED CANOPY BY CANOPY SUPPLIER. BLOCKING TO BE PROVIDED UPON FINAL SHOP DRAWING REVIEW. DESIGN FOR TOTAL SL = 105 PSF.
27	(3) 1 3/4"x7 1/4" CONTINUOUS LVL PLATES REQUIRED AT TYPICAL FLOOR SHEATHING ELEVATION ((1) SILL PLATE & (2) TOP PLATES). 2x8 WALL STUDS @ 1'-4" OC TYP.
28	SIMPSON CS14 COIL STRAP. SD 11/S411 FOR CONDITION.
32	OPEN TO BELOW.
34	PROVIDE 2X4 JACK AND KING STUDS IN LIEU OF 2X6 STUDS IN SCHEDULE FOR 2X4 WALL.
39	18" DEEP FLAT ROOF TRUSSES @ 24" OC. DESIGN FOR DL = 25 PSF & TOTAL SL = 105 PSF.
43	PROVIDE SIMPSON CS14 COIL STRAP FROM LVL PLATES TO STAIR WALL PLATES WITH 19" END LENGTH TYP.

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

LINTEL SCHEDULE

MARK	SIZE	COMMENTS
L1	W8x24	SEE DETAIL 8/S401

COLUMN SCHEDULE

MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302

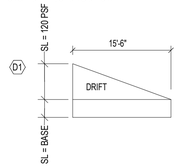
CMU WALL REINFORCEMENT

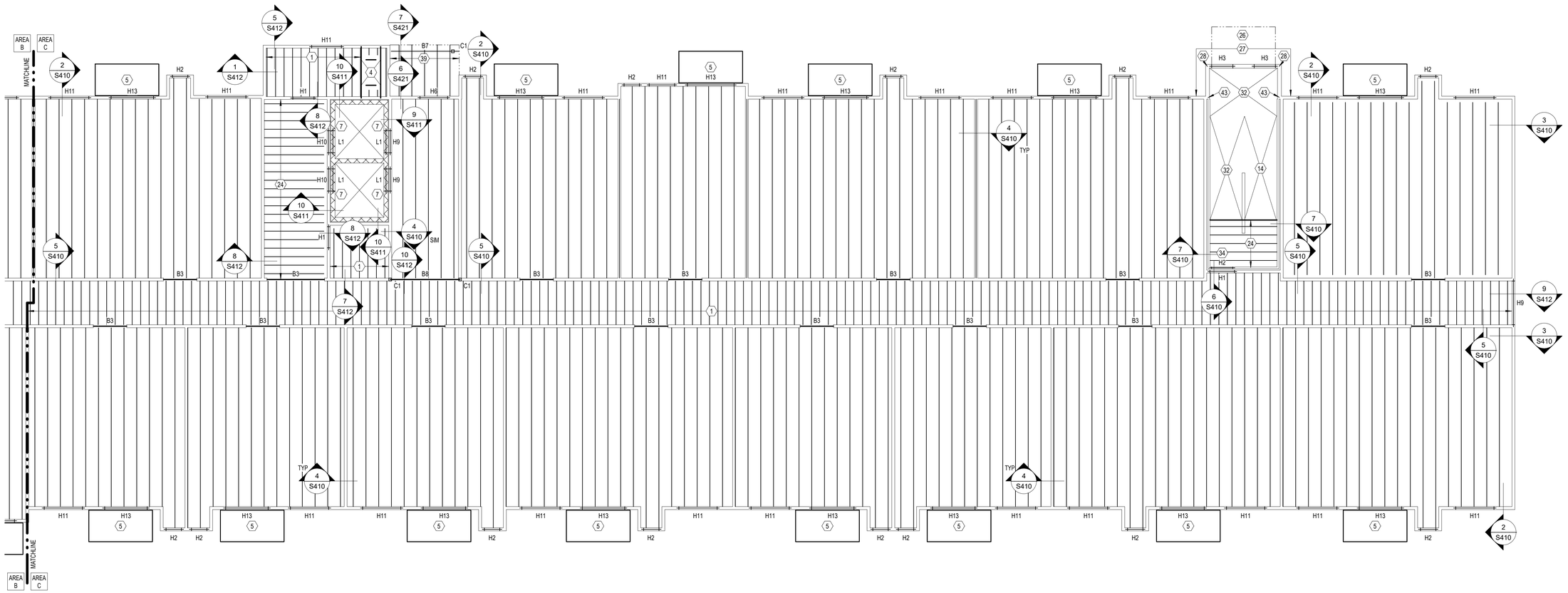
WALL TYPE	APPLICATION	TYPICAL VERTICAL REINFORCEMENT	VERTICAL REINFORCEMENT LOCATION	TYPICAL HORIZONTAL REINFORCEMENT	HORIZONTAL LOCATION	COMMENTS
8" CMU	ELEVATOR SHAFT	#5 @ 2'-0" O.C.	CENTERED	SEE NOTES	SEE NOTES	SOLID GROUT

NOTE: SEE SHEETS S001 AND S302 FOR ADDITIONAL AND SPECIAL REINFORCEMENT REQUIREMENTS

SNOW DRIFT LOADING KEYNOTES:

SNOW DRIFT LOADING DIAGRAM:





1 SECOND FLOOR FRAMING PLAN - AREA C
S202C 1/8" = 1'-0"

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Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
SECOND FLOOR FRAMING AREA C

SHEET NO.
S202C
1
2472-5

FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 121'-3" UNO
2. FLOOR FRAMING TO BE 24" DEEP TRUSSES @ 2'-0' OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. - INDICATES BEAM CONTINUOUS OVER COLUMN.

KEYNOTES

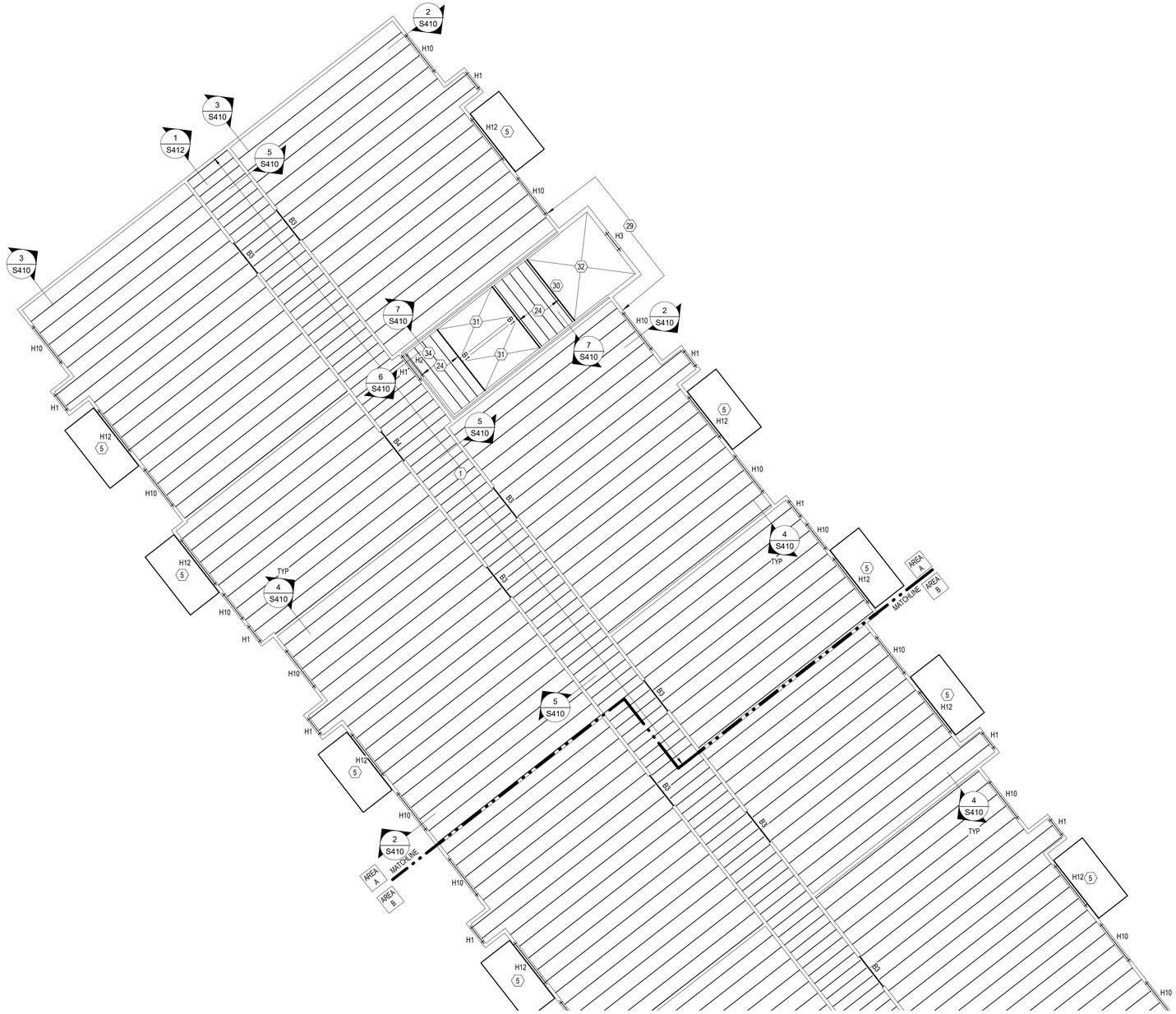
LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
5	ALUMINUM BALCONY SYSTEM BY SUPPLIER. SEE DETAIL 2/S411 FOR TYPICAL CONNECTION.
24	(2) 2x10 JOISTS @ 1'-4" OC.
29	(2) 1 1/2"x7 1/4" FULL HEIGHT LSL WALL STUDS @ 1'-4" OC TO SPAN FROM 2ND FLOOR SHEATHING TO ROOF TRUSS BEARING.
30	RAILING AND CONNECTION FRAMING BY RAILING SUPPLIER. (3) 2x12 BEAM REQUIRED TO RECEIVE CONNECTION.
31	SEE DETAIL 1/S411 FOR SWITCHBACK STAIR FRAMING.
32	OPEN TO BELOW.
34	PROVIDE 2X4 JACK AND KING STUDS IN LIEU OF 2X6 STUDS IN SCHEDULE FOR 2X4 WALL.

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN



1 THIRD FLOOR FRAMING PLAN - AREA A
S203A 1/8" = 1'-0"

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Drawn by: ML/BT
Date Issued: 06/27/2024

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Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

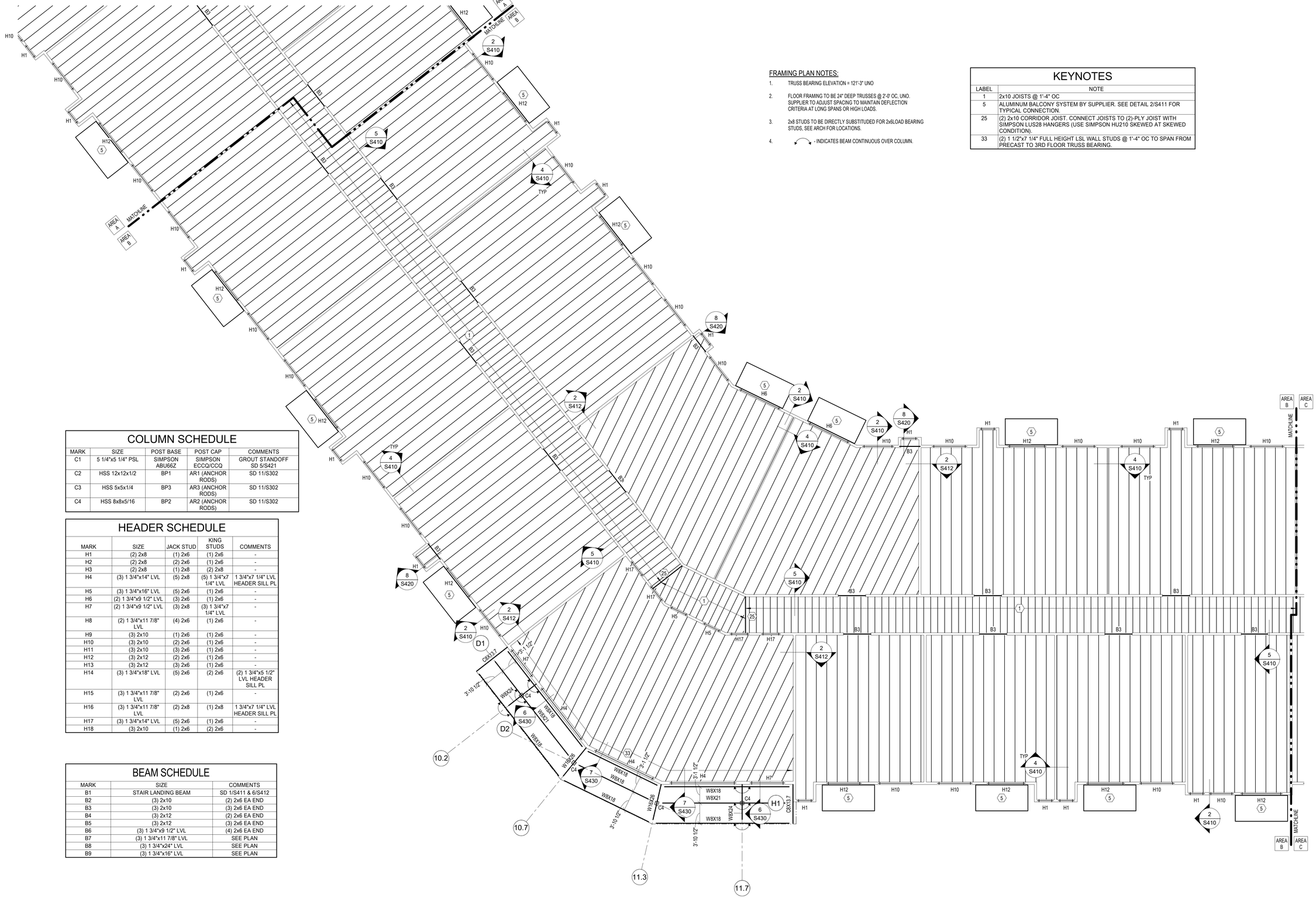
MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
THIRD FLOOR FRAMING AREA A

SHEET NO.
S203A
1
2472-5



COLUMN SCHEDULE

MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	5 1/4"x5 1/4" PSL	SIMPSON ABU66Z	SIMPSON ECCQ/CCQ	GROUT STANDOFF SD 5/S421
C2	HSS 12x12x1/2	BP1	AR1 (ANCHOR RODS)	SD 11/S302
C3	HSS 5x5x1/4	BP3	AR3 (ANCHOR RODS)	SD 11/S302
C4	HSS 8x8x5/16	BP2	AR2 (ANCHOR RODS)	SD 11/S302

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 121'-3" UNO
2. FLOOR FRAMING TO BE 24" DEEP TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. - INDICATES BEAM CONTINUOUS OVER COLUMN.

KEYNOTES

LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
5	ALUMINUM BALCONY SYSTEM BY SUPPLIER. SEE DETAIL 2/S411 FOR TYPICAL CONNECTION.
25	(2) 2x10 CORRIDOR JOIST. CONNECT JOISTS TO (2)-PLY JOIST WITH SIMPSON LUS28 HANGERS (USE SIMPSON HU210 SKEWED AT SKEWED CONDITION).
33	(2) 1 1/2"x7 1/4" FULL HEIGHT LSL WALL STUDS @ 1'-4" OC TO SPAN FROM PRECAST TO 3RD FLOOR TRUSS BEARING.

1 S203B THIRD FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

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BP 03: Addendum 02 Drawings

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THIRD FLOOR FRAMING AREA B

SHEET NO.
S203B
1
2472-5

FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 121'-3" UNO
2. FLOOR FRAMING TO BE 24" DEEP TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. - INDICATES BEAM CONTINUOUS OVER COLUMN.

KEYNOTES

LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
4	RATED TRASH CHUTE, SEE ARCH FOR ROUGH OPENING. TRASH CHUTE TO BE FRAMED OUT OF 2x10 JOISTS @ FLOORS & BY TRUSS SUPPLIER @ ROOF. USE (2) 2x10 JOISTS TO FRAME THE OPENING WITH SIMPSON LUS FACE-MOUNT HANGERS AS SHOWN ON PLAN.
5	ALUMINUM BALCONY SYSTEM BY SUPPLIER. SEE DETAIL 2/S411 FOR TYPICAL CONNECTION.
7	VERIFY IF WALL IS REQUIRED TO BE OMITTED DURING CONSTRUCTION FOR ELEVATOR EQUIPMENT INSTALLATION. COORDINATE WITH PRECAST SUPPLIER.
24	(2) 2x10 JOISTS @ 1'-4" OC.
29	(2) 1 1/2"x7 1/4" FULL HEIGHT LSL WALL STUDS @ 1'-4" OC TO SPAN FROM 2ND FLOOR SHEATHING TO ROOF TRUSS BEARING.
30	RAILING AND CONNECTION FRAMING BY RAILING SUPPLIER. (3) 2x12 BEAM REQUIRED TO RECEIVE CONNECTION.
31	SEE DETAIL 1/S411 FOR SWITCHBACK STAIR FRAMING.
32	OPEN TO BELOW.
34	PROVIDE 2X4 JACK AND KING STUDS IN LIEU OF 2X6 STUDS IN SCHEDULE FOR 2X4 WALL.

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

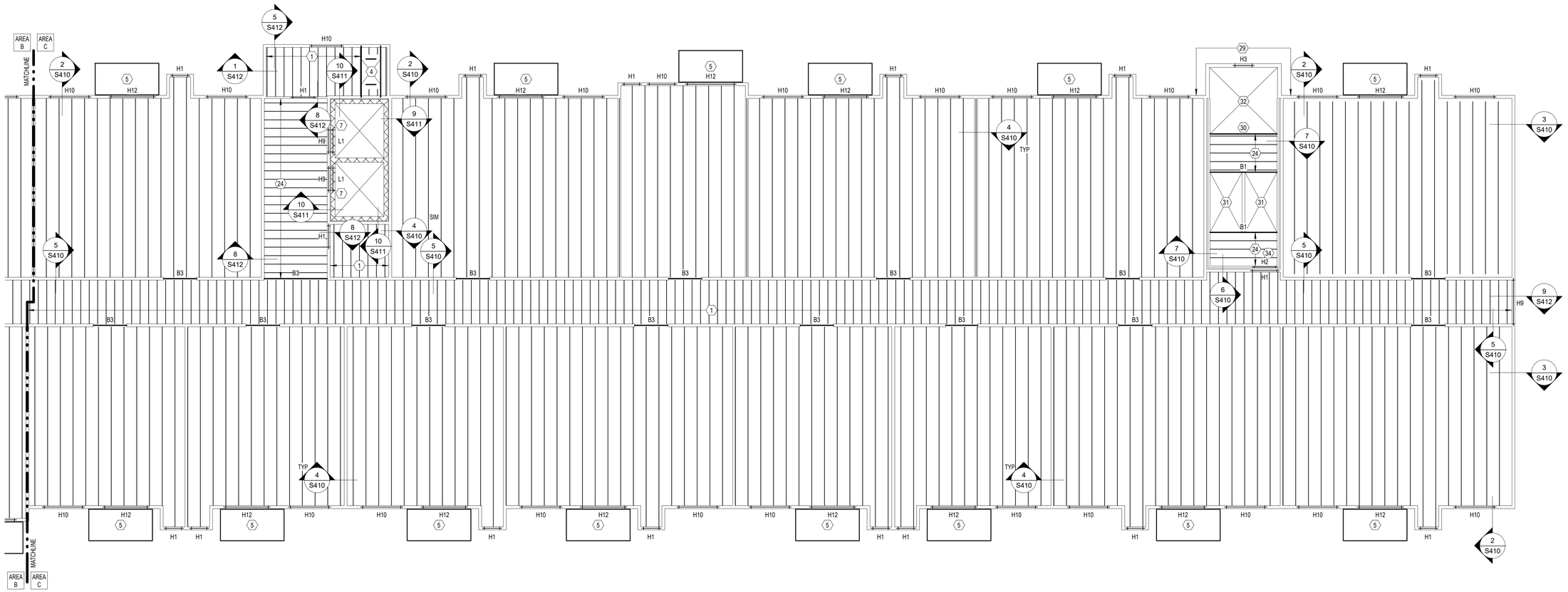
LINTEL SCHEDULE

MARK	SIZE	COMMENTS
L1	W8x24	SEE DETAIL 8/S401

CMU WALL REINFORCEMENT

WALL TYPE	APPLICATION	TYPICAL VERTICAL REINFORCEMENT	VERTICAL REINFORCEMENT LOCATION	TYPICAL HORIZONTAL REINFORCEMENT	HORIZONTAL LOCATION	COMMENTS
8" CMU	ELEVATOR SHAFT	#5 @ 2'-0" O.C.	CENTERED	SEE NOTES	SEE NOTES	SOLID GROUT

NOTE: SEE SHEETS S001 AND S302 FOR ADDITIONAL AND SPECIAL REINFORCEMENT REQUIREMENTS



1 THIRD FLOOR FRAMING PLAN - AREA C
S203C 1/8" = 1'-0"

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Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions #	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
THIRD FLOOR FRAMING AREA C

SHEET NO.
S203C
1
2472-5

ROOF FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 132'-4 7/8" UNO. (SEE ARCHITECTURAL FOR TRUSS PROFILES AND EXTENTS OF 134'-4 7/8" BEARING ELEVATION).
2. ROOF FRAMING TO BE PITCHED ROOF TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6 LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. SEE DETAIL 3/S411 FOR BALCONY TENSION ROD CONNECTION AT ROOF.

KEYNOTES

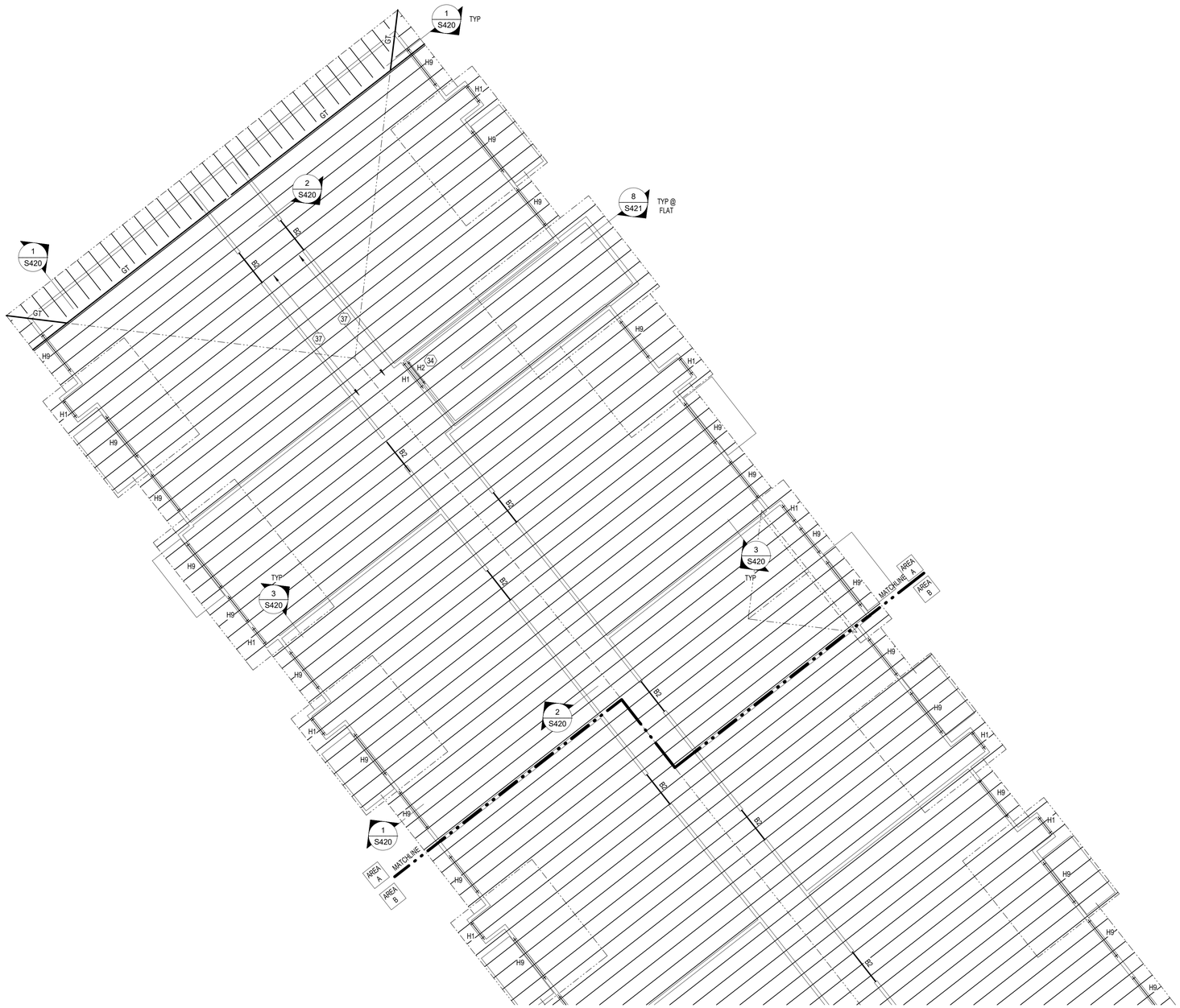
LABEL	NOTE
34	PROVIDE 2X4 JACK AND KING STUDS IN LIEU OF 2X6 STUDS IN SCHEDULE FOR 2X4 WALL.
37	SHEAR TRUSS PER DETAIL 4/S420 REQUIRED AT THESE EXTENTS ONLY FOR SHEAR TRANSFER.

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN



1 S204A ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"

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SPACE FOR ENGINEER'S SEAL

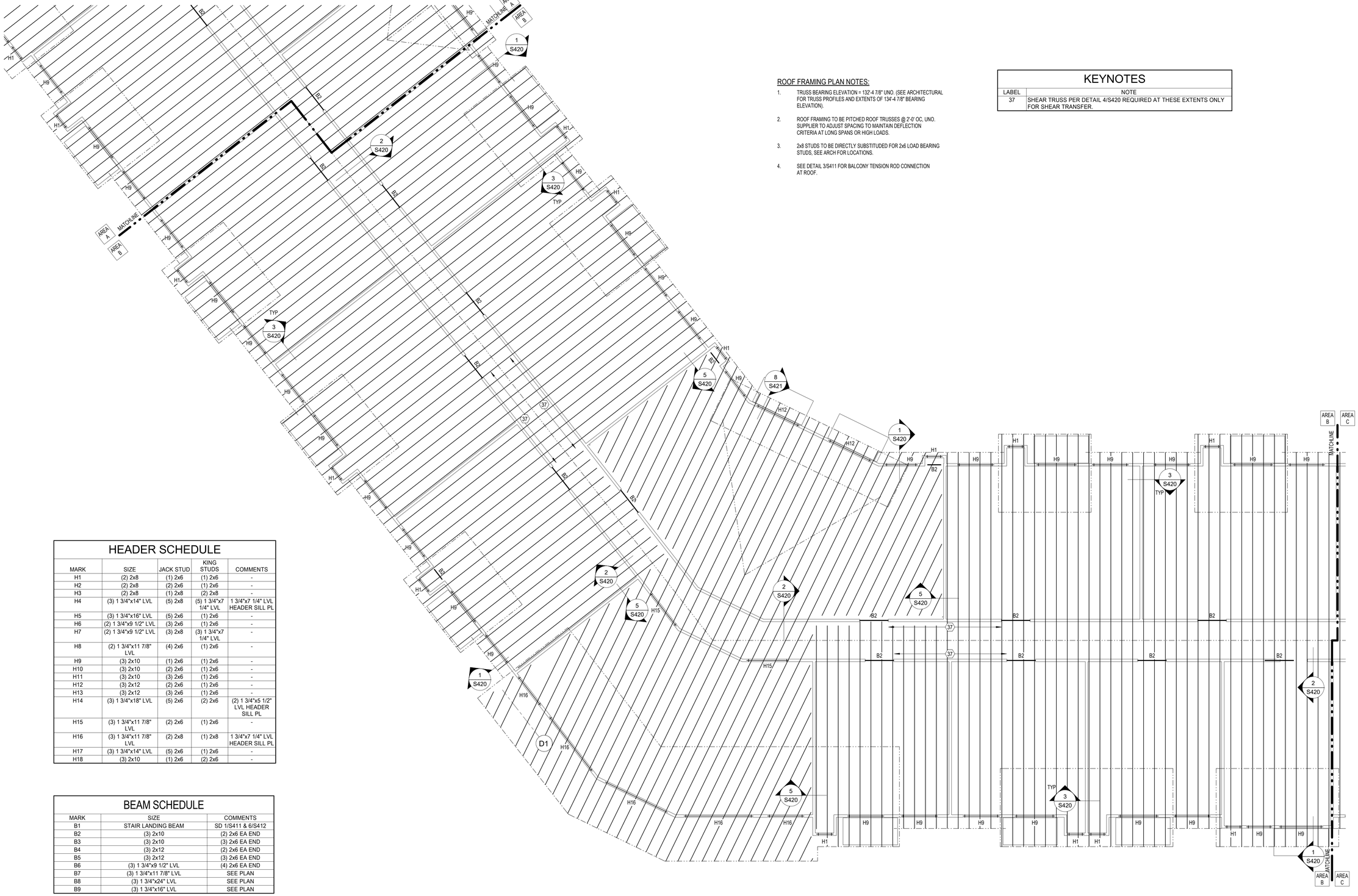
MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
ROOF FRAMING PLAN
AREA A

SHEET NO.
S204A
1
2472-5



ROOF FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 132'-4 7/8" UNO. (SEE ARCHITECTURAL FOR TRUSS PROFILES AND EXTENTS OF 134'-4 7/8" BEARING ELEVATION).
2. ROOF FRAMING TO BE PITCHED ROOF TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6 LOAD BEARING STUDS, SEE ARCH FOR LOCATIONS.
4. SEE DETAIL 3/S411 FOR BALCONY TENSION ROD CONNECTION AT ROOF.

KEYNOTES

LABEL	NOTE
37	SHEAR TRUSS PER DETAIL 4/S420 REQUIRED AT THESE EXTENTS ONLY FOR SHEAR TRANSFER.

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

1 S204B ROOF FRAMING PLAN - AREA B
1/8" = 1'-0"

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Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions		
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1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 **License #:** 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

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BP 03: Addendum 02 Drawings

SHEET CONTENTS:
ROOF FRAMING PLAN
AREA B

SHEET NO.
S204B
1
2472-5

ROOF FRAMING PLAN NOTES:

1. TRUSS BEARING ELEVATION = 132'-4 7/8" UNO. (SEE ARCHITECTURAL FOR TRUSS PROFILES AND EXTENTS OF 134'-4 7/8" BEARING ELEVATION).
2. ROOF FRAMING TO BE PITCHED ROOF TRUSSES @ 2'-0" OC, UNO. SUPPLIER TO ADJUST SPACING TO MAINTAIN DEFLECTION CRITERIA AT LONG SPANS OR HIGH LOADS.
3. 2x8 STUDS TO BE DIRECTLY SUBSTITUDED FOR 2x6 LOAD BEARING STUDS. SEE ARCH FOR LOCATIONS.
4. SEE DETAIL 3/S411 FOR BALCONY TENSION ROD CONNECTION AT ROOF.

KEYNOTES

LABEL	NOTE
1	2x10 JOISTS @ 1'-4" OC
2	W8x31 ELEVATOR HOIST BEAM RATED TO SUPPORT 7,500# CONCENTRATED LOAD AT CENTER. SEE DETAIL 8/S411 FOR BEAM BEARING AT CMU WALL.
4	RATED TRASH CHUTE. SEE ARCH FOR ROUGH OPENING. TRASH CHUTE TO BE FRAMED OUT OF 2x10 JOISTS @ FLOORS & BY TRUSS SUPPLIER @ ROOF. USE (2) 2x10 JOISTS TO FRAME THE OPENING WITH SIMPSON LUS FACE-MOUNT HANGERS AS SHOWN ON PLAN.
6	TRUSS SUPPLIER TO PROVIDE FRAMING FOR ROOF HATCH/ATTIC ACCESS ROUGH OPENING. SEE ARCH FOR LOCATION AND DIMENSIONS.
7	VERIFY IF WALL IS REQUIRED TO BE OMITTED DURING CONSTRUCTION FOR ELEVATOR EQUIPMENT INSTALLATION. COORDINATE WITH PRECAST SUPPLIER.
34	PROVIDE 2X4 JACK AND KING STUDS IN LIEU OF 2X6 STUDS IN SCHEDULE FOR 2X4 WALL.
37	SHEAR TRUSS PER DETAIL 4/S420 REQUIRED AT THESE EXTENTS ONLY FOR SHEAR TRANSFER.

HEADER SCHEDULE

MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 2x8	(1) 2x6	(1) 2x6	-
H2	(2) 2x8	(2) 2x6	(1) 2x6	-
H3	(2) 2x8	(1) 2x8	(2) 2x8	-
H4	(3) 1 3/4"x14" LVL	(5) 2x8	(5) 1 3/4"x7 1/4" LVL	1 3/4"x7 1/4" LVL HEADER SILL PL
H5	(3) 1 3/4"x16" LVL	(5) 2x6	(1) 2x6	-
H6	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(1) 2x6	-
H7	(2) 1 3/4"x9 1/2" LVL	(3) 2x8	(3) 1 3/4"x7 1/4" LVL	-
H8	(2) 1 3/4"x11 7/8" LVL	(4) 2x6	(1) 2x6	-
H9	(3) 2x10	(1) 2x6	(1) 2x6	-
H10	(3) 2x10	(2) 2x6	(1) 2x6	-
H11	(3) 2x10	(3) 2x6	(1) 2x6	-
H12	(3) 2x12	(2) 2x6	(1) 2x6	-
H13	(3) 2x12	(3) 2x6	(1) 2x6	-
H14	(3) 1 3/4"x18" LVL	(5) 2x6	(2) 2x6	(2) 1 3/4"x5 1/2" LVL HEADER SILL PL
H15	(3) 1 3/4"x11 7/8" LVL	(2) 2x6	(1) 2x6	-
H16	(3) 1 3/4"x11 7/8" LVL	(2) 2x8	(1) 2x8	1 3/4"x7 1/4" LVL HEADER SILL PL
H17	(3) 1 3/4"x14" LVL	(5) 2x6	(1) 2x6	-
H18	(3) 2x10	(1) 2x6	(2) 2x6	-

BEAM SCHEDULE

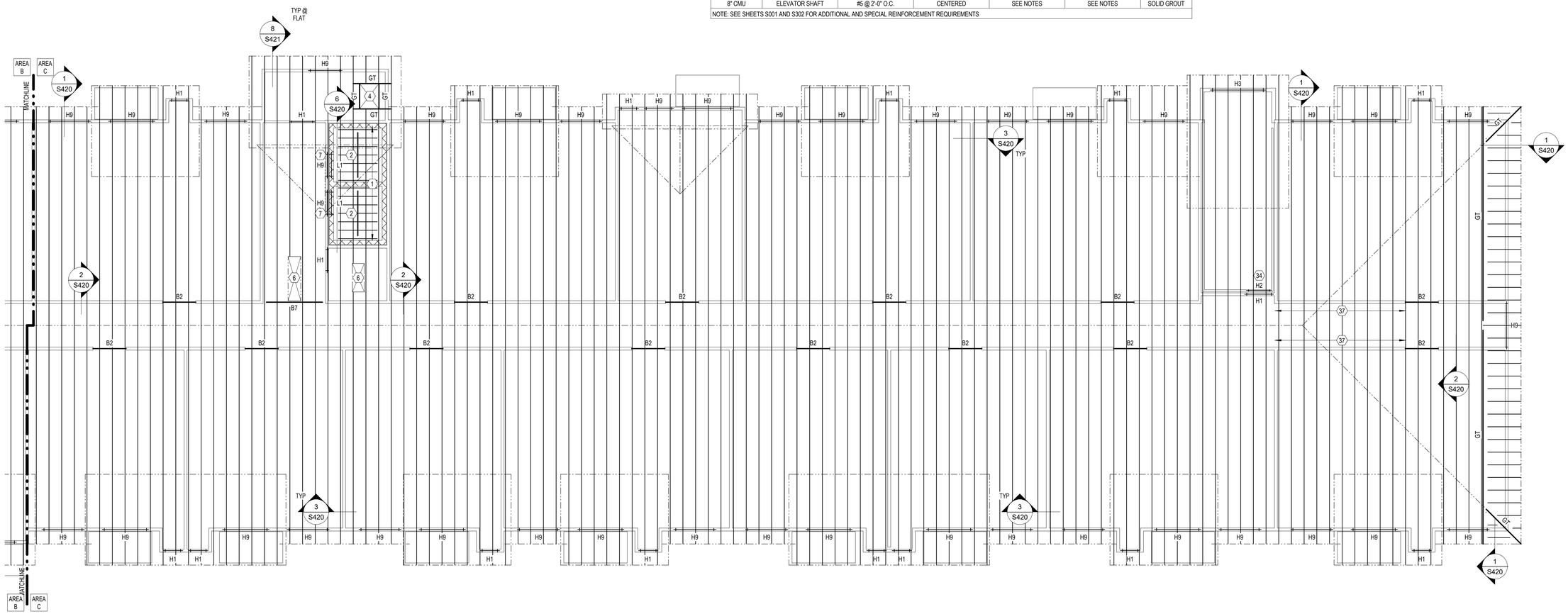
MARK	SIZE	COMMENTS
B1	STAIR LANDING BEAM	SD 1/S411 & 6/S412
B2	(3) 2x10	(2) 2x6 EA END
B3	(3) 2x10	(3) 2x6 EA END
B4	(3) 2x12	(2) 2x6 EA END
B5	(3) 2x12	(3) 2x6 EA END
B6	(3) 1 3/4"x9 1/2" LVL	(4) 2x6 EA END
B7	(3) 1 3/4"x11 7/8" LVL	SEE PLAN
B8	(3) 1 3/4"x24" LVL	SEE PLAN
B9	(3) 1 3/4"x16" LVL	SEE PLAN

LINTEL SCHEDULE

MARK	SIZE	COMMENTS
L1	W8x24	SEE DETAIL 8/S401

CMU WALL REINFORCEMENT

WALL TYPE	APPLICATION	TYPICAL VERTICAL REINFORCEMENT	VERTICAL REINFORCEMENT LOCATION	TYPICAL HORIZONTAL REINFORCEMENT	HORIZONTAL LOCATION	COMMENTS
8" CMU	ELEVATOR SHAFT	#5 @ 2'-0" O.C.	CENTERED	SEE NOTES	SEE NOTES	SOLID GROUT
NOTE: SEE SHEETS S001 AND S302 FOR ADDITIONAL AND SPECIAL REINFORCEMENT REQUIREMENTS						



1 S204C ROOF FRAMING PLAN - AREA C
1/8" = 1'-0"

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Date: 06/27/2024 License #: 57492

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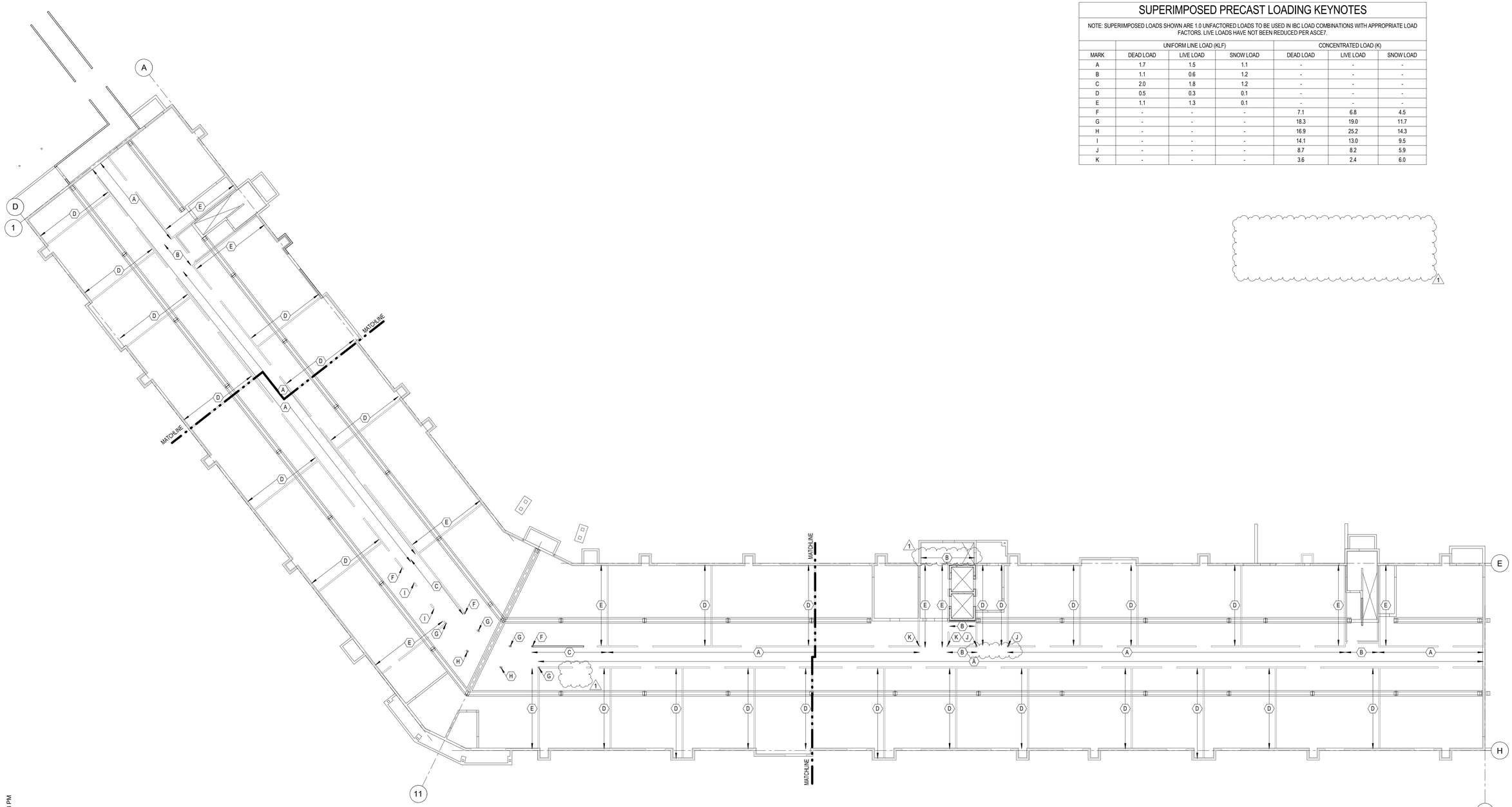
MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
ROOF FRAMING PLAN
AREA C

SHEET NO.
S204C
1
2472-5



SUPERIMPOSED PRECAST LOADING KEYNOTES

NOTE: SUPERIIMPOSED LOADS SHOWN ARE 1.0 UNFACTORED LOADS TO BE USED IN IBC LOAD COMBINATIONS WITH APPROPRIATE LOAD FACTORS. LIVE LOADS HAVE NOT BEEN REDUCED PER ASCE7.

	UNIFORM LINE LOAD (KLF)			CONCENTRATED LOAD (K)		
MARK	DEAD LOAD	LIVE LOAD	SNOW LOAD	DEAD LOAD	LIVE LOAD	SNOW LOAD
A	1.7	1.5	1.1	-	-	-
B	1.1	0.6	1.2	-	-	-
C	2.0	1.8	1.2	-	-	-
D	0.5	0.3	0.1	-	-	-
E	1.1	1.3	0.1	-	-	-
F	-	-	-	7.1	6.8	4.5
G	-	-	-	18.3	19.0	11.7
H	-	-	-	16.9	25.2	14.3
I	-	-	-	14.1	13.0	9.5
J	-	-	-	8.7	8.2	5.9
K	-	-	-	3.6	2.4	6.0

1 PRECAST LOADING PLAN
S220 1/16" = 1'-0"

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BP 03: Addendum 02 Drawings

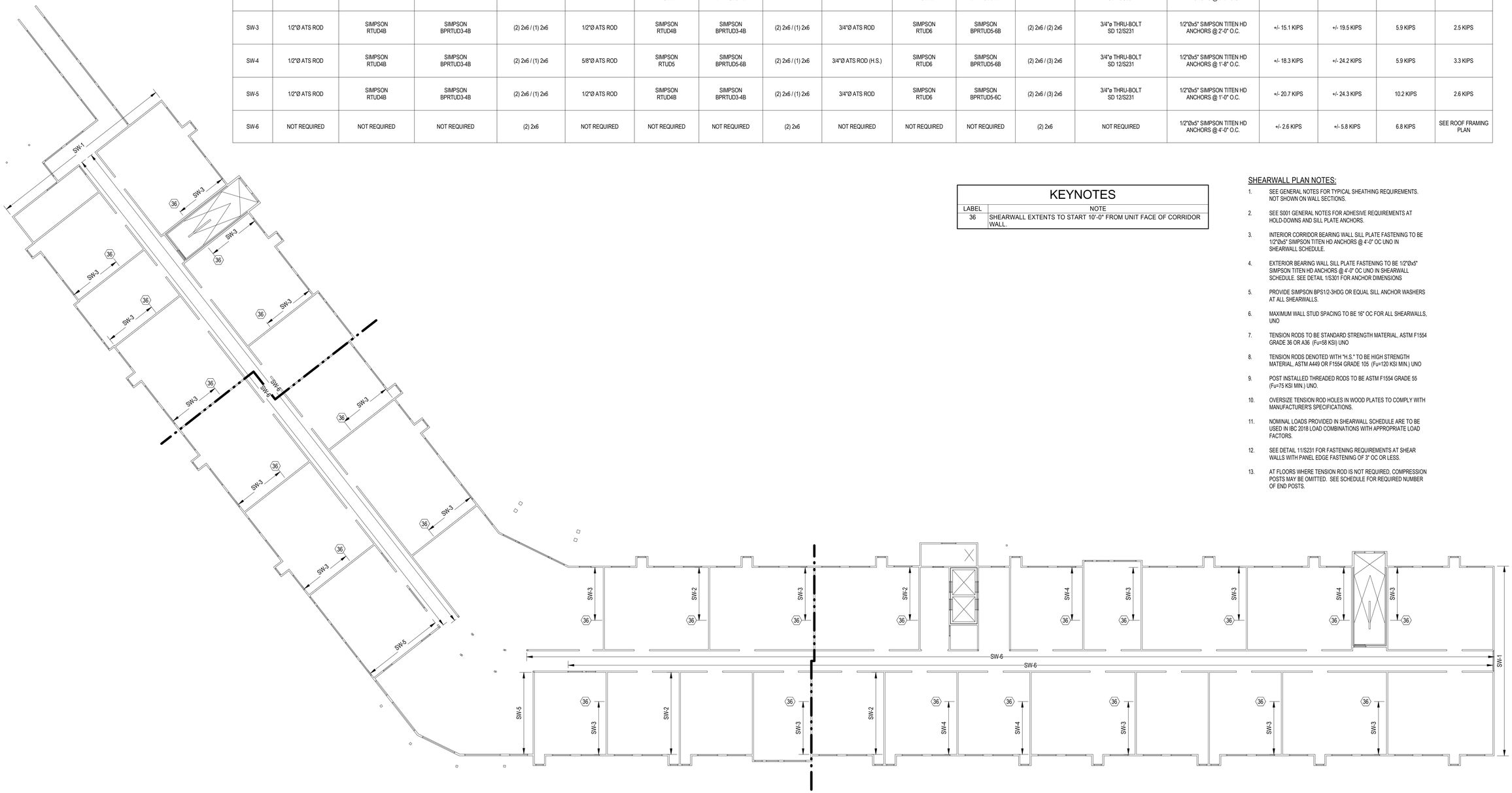
SHEET CONTENTS:
PRECAST LOADING PLAN

SHEET NO.
S220

2472-5

SHEARWALL SCHEDULE

	3RD LEVEL				2ND LEVEL				1ST LEVEL						PRECAST LOADS			TRUSS LOADS (WHERE APPLICABLE)
LABEL	TENSION ROD	T.O. WALL TAKE-UP DEVICE	T.O. WALL BEARING PLATE	END POST / COMP POST	TENSION ROD	T.O. WALL TAKE-UP DEVICE	T.O. WALL BEARING PLATE	END POST / COMP POST	TENSION ROD	T.O. WALL TAKE-UP DEVICE	T.O. WALL BEARING PLATE	END POST / COMP POST	BASE TENSION ROD ANCHOR	SILL PL FASTENING @ BASE LEVEL	BASE LEVEL SHEAR TO PODIUM (1.0 WL)	SW END VERTICAL FORCE (1.0 WL)	SW END VERTICAL FORCE (1.0 DL)	SHEAR TO TRUSS (1.0 WL)
SW-1	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	NOT REQUIRED	1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 4'-0" O.C.	-	-	-	-
SW-2	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	1/2"ø THRU-BOLT SD 12/S231	1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 3'-0" O.C.	+/- 15.4 KIPS	+/- 11.8 KIPS	9.0 KIPS	1.8 KIPS
SW-3	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	3/4"Ø ATS ROD	SIMPSON RTUD6	SIMPSON BPRTUD5-6B	(2) 2x6 / (2) 2x6	3/4"ø THRU-BOLT SD 12/S231	1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 2'-0" O.C.	+/- 15.1 KIPS	+/- 19.5 KIPS	5.9 KIPS	2.5 KIPS
SW-4	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	5/8"Ø ATS ROD	SIMPSON RTUD5	SIMPSON BPRTUD5-6B	(2) 2x6 / (1) 2x6	3/4"Ø ATS ROD (H.S.)	SIMPSON RTUD6	SIMPSON BPRTUD5-6B	(2) 2x6 / (3) 2x6	3/4"ø THRU-BOLT SD 12/S231	1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 1'-8" O.C.	+/- 18.3 KIPS	+/- 24.2 KIPS	5.9 KIPS	3.3 KIPS
SW-5	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	1/2"Ø ATS ROD	SIMPSON RTUD4B	SIMPSON BPRTUD3-4B	(2) 2x6 / (1) 2x6	3/4"Ø ATS ROD	SIMPSON RTUD6	SIMPSON BPRTUD5-6C	(2) 2x6 / (3) 2x6	3/4"ø THRU-BOLT SD 12/S231	1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 1'-0" O.C.	+/- 20.7 KIPS	+/- 24.3 KIPS	10.2 KIPS	2.6 KIPS
SW-6	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	(2) 2x6	NOT REQUIRED	1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 4'-0" O.C.	+/- 2.6 KIPS	+/- 5.8 KIPS	6.8 KIPS	SEE ROOF FRAMING PLAN



KEYNOTES

LABEL	NOTE
36	SHEARWALL EXTENTS TO START 10'-0" FROM UNIT FACE OF CORRIDOR WALL.

SHEARWALL PLAN NOTES:

1. SEE GENERAL NOTES FOR TYPICAL SHEATHING REQUIREMENTS. NOT SHOWN ON WALL SECTIONS.
2. SEE S001 GENERAL NOTES FOR ADHESIVE REQUIREMENTS AT HOLD-DOWNS AND SILL PLATE ANCHORS.
3. INTERIOR CORRIDOR BEARING WALL SILL PLATE FASTENING TO BE 1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 4'-0" OC UNO IN SHEARWALL SCHEDULE.
4. EXTERIOR BEARING WALL SILL PLATE FASTENING TO BE 1/2"Ø x5" SIMPSON TITEN HD ANCHORS @ 4'-0" OC UNO IN SHEARWALL SCHEDULE. SEE DETAIL 1/S301 FOR ANCHOR DIMENSIONS
5. PROVIDE SIMPSON BPS1/2-3HDG OR EQUAL SILL ANCHOR WASHERS AT ALL SHEARWALLS.
6. MAXIMUM WALL STUD SPACING TO BE 16" OC FOR ALL SHEARWALLS, UNO
7. TENSION RODS TO BE STANDARD STRENGTH MATERIAL, ASTM F1554 GRADE 36 OR A36 (Fu=58 KSI) UNO
8. TENSION RODS DENOTED WITH "H.S." TO BE HIGH STRENGTH MATERIAL, ASTM A449 OR F1554 GRADE 105 (Fu=120 KSI MIN.) UNO
9. POST INSTALLED THREADED RODS TO BE ASTM F1554 GRADE 55 (Fu=75 KSI MIN.) UNO.
10. OVERSIZE TENSION ROD HOLES IN WOOD PLATES TO COMPLY WITH MANUFACTURER'S SPECIFICATIONS.
11. NOMINAL LOADS PROVIDED IN SHEARWALL SCHEDULE ARE TO BE USED IN IBC 2018 LOAD COMBINATIONS WITH APPROPRIATE LOAD FACTORS.
12. SEE DETAIL 11/S231 FOR FASTENING REQUIREMENTS AT SHEAR WALLS WITH PANEL EDGE FASTENING OF 3" OC OR LESS.
13. AT FLOORS WHERE TENSION ROD IS NOT REQUIRED, COMPRESSION POSTS MAY BE OMITTED. SEE SCHEDULE FOR REQUIRED NUMBER OF END POSTS.

1 S230 SHEARWALL PLAN
1/16" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions		
#	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

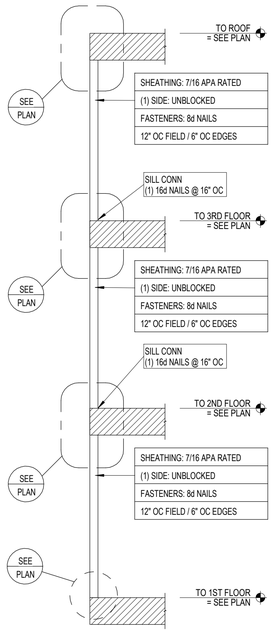
160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

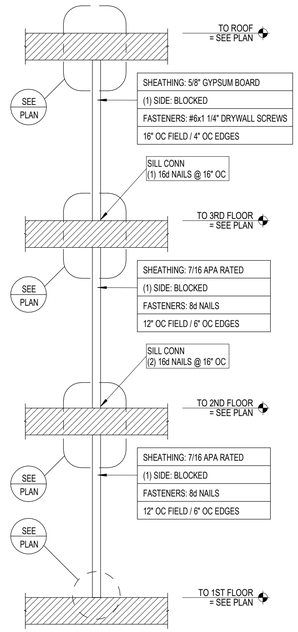
SHEET CONTENTS:
SHEARWALL PLAN

SHEET NO.
S230
1

2472-5



1 S231 SW SECTION (SW-1)
1/4" = 1'-0"



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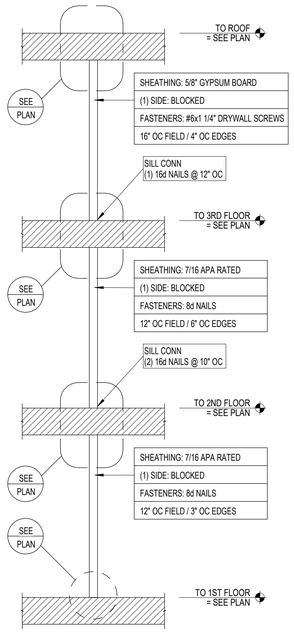

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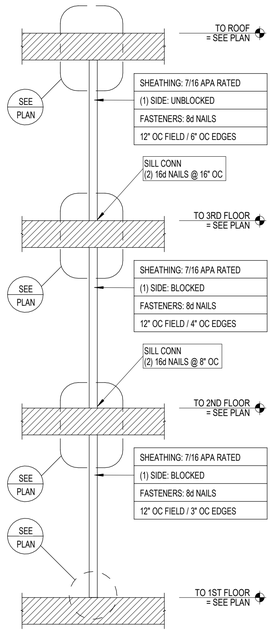
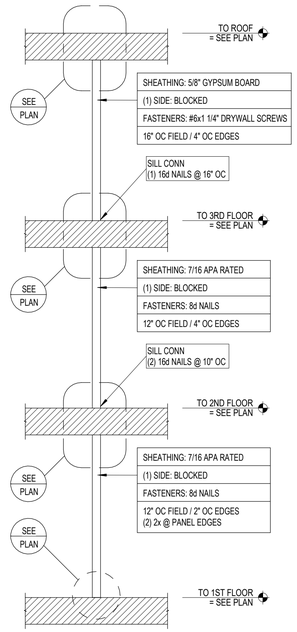


4 S231 SW SECTION (SW-4)
1/4" = 1'-0"



5 S231 SW SECTION (SW-5)
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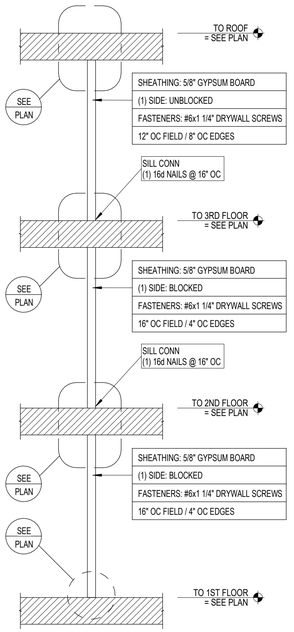
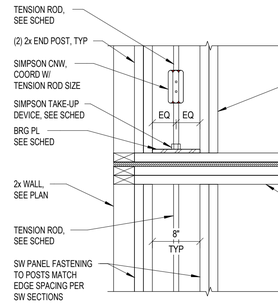
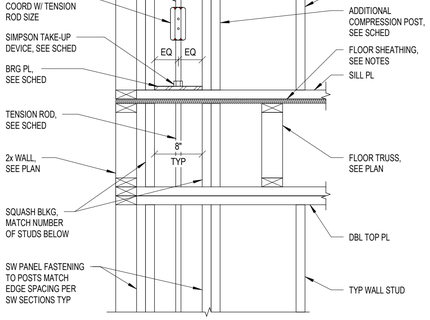
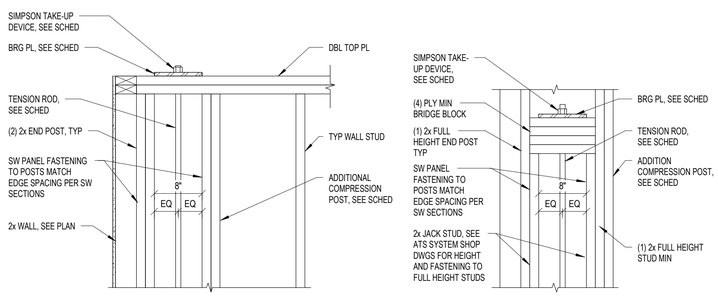


6 S231 SW SECTION (SW-6)
1/4" = 1'-0"





7 S231 TENSION ROD @ FLOOR LEVEL
1" = 1'-0"



8 S231 TENSION ROD @ ROOF LEVEL
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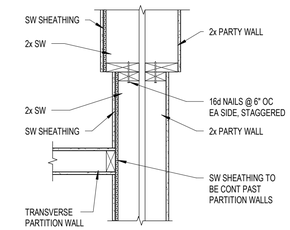
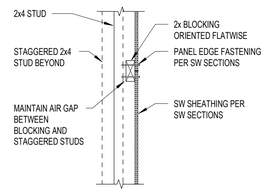
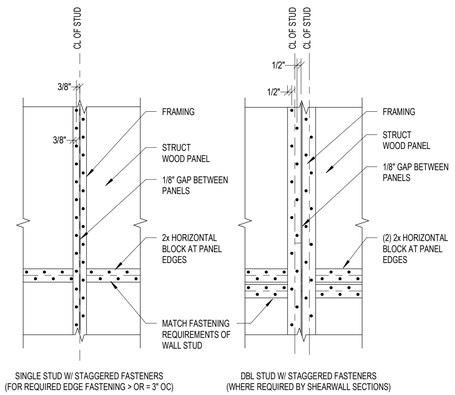


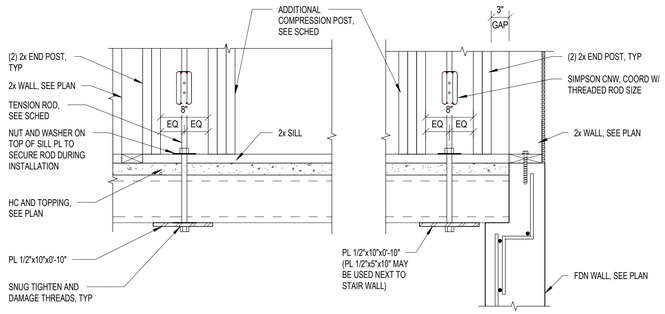
9 S231 SHEARWALL BUTT JOINT CONN
1" = 1'-0"



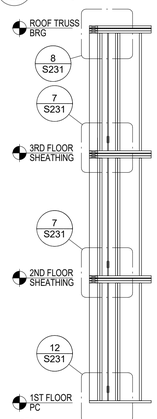
10 S231 BLOCKING AT STAGGERED WALLS
1" = 1'-0"



11 S231 STAGGERED NAILS @ PANEL EDGES
1 1/2" = 1'-0"



12 S231 TENSION ROD ANCHORAGE
1" = 1'-0"



13 S231 STRONG-ROD ATS
1/4" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions		
#	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

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BP 03: Addendum 02 Drawings

SHEET CONTENTS:
SHEARWALL SECTIONS AND DETAILS

SHEET NO.
S231
1
2472-5

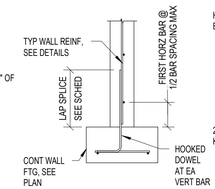
REINFORCING STEEL SPLICE LENGTHS FOR STANDARD NON-COATED BARS					
CONCRETE COMPRESSIVE STRENGTH F'c	CLASS A SPLICE		CLASS B SPLICE		COMPRESSION SPLICE
	#6 AND SMALLER	#7 AND LARGER	#6 AND SMALLER	#7 AND LARGER	#4 AND LARGER
3000 PSI	44 Bd	55 Bd	57 Bd	71 Bd	30 Bd
4000 PSI	38 Bd	47 Bd	49 Bd	62 Bd	30 Bd
5000 PSI	34 Bd	43 Bd	44 Bd	56 Bd	30 Bd

Bd = BAR DIAMETER

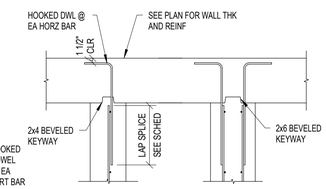
CONCRETE REINFORCEMENT CLEAR COVER, UNO (NON-PRESTRESSED)	
CONDITION AND DESIGNATION	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THRU #18	2"
CONCRETE EXPOSED TO EARTH OR WEATHER: #5 OR SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT W/ EARTH	
SLABS, WALLS, JOISTS: #14 AND #18	1 1/2"
SLABS, WALLS, JOISTS: #11 AND SMALLER	3/4"
BEAMS, COLUMNS (PRIMARY REINF, TIES, STIRRUPS, SPIRALS)	1 1/2"

NOTES:

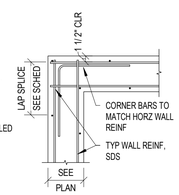
1. MINIMUM LAP: 18" FOR CLASS A OR B SPLICE & 12" FOR COMPRESSION SPLICES.
2. REQUIRED SPLICE LENGTH = LISTED SPLICE LENGTH x ADJUSTMENT FACTORS
   ADJUSTMENT FACTORS = 1.0 IF NONE BELOW APPLY
   A. FOR HORZ REINFORCING IN MAT SLABS, BEAMS, AND FOOTINGS W/ MORE THAN 12" OF FRESH CONCRETE PLACED BELOW BAR - ADJUSTMENT FACTOR = 1.3
   B. FOR Fy OTHER THAN 60 KSI - ADJUSTMENT FACTOR = Fy (USED)/60
   C. FOR LIGHT WEIGHT CONCRETE - ADJUSTMENT FACTOR = 1.33
   D. TYPICAL EPOXY COATED REINFORCING - ADJUSTMENT FACTOR = 1.2
   E. TYPICAL EPOXY COATED REINFORCING WITH COVER LESS THAN 3Bd OR CLEAR SPACING LESS THAN 6 Bd - ADJUSTMENT FACTOR = 1.5
3. ALL ADJUSTMENT FACTORS THAT APPLY SHALL BE USED TO CALCULATE REQUIRED SPLICE LENGTH
4. UNLESS OTHERWISE NOTED ON PLANS OR DETAILS, LAP THE FOLLOWING BARS AS DEFINED IN LAP SPLICE TABLE
   A. VERTICAL HOOKED OR STRAIGHT BARS EXTENDING FROM FOOTINGS: COMPRESSION SPLICE, UNO
   B. HORIZONTAL BARS IN GRADE BEAMS, FOOTINGS AND FOUNDATION WALLS: CLASS B SPLICE
   C. VERTICAL BARS IN COLUMNS AND PIERS: COMPRESSION SPLICE, UNO
   D. VERTICAL BARS IN BASEMENT, RETAINING WALLS AND GRADE BEAMS: CLASS B SPLICE
   E. UNO ON PLAN OR DETAILS, LAP THE SLAB BARS WITH A LAP LENGTH OF 48 Bd



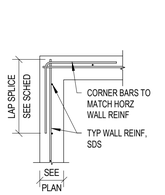
TYPICAL WALL BASE



WALL INTERSECTION



WALL CORNER



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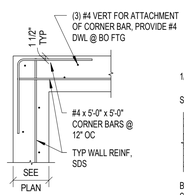

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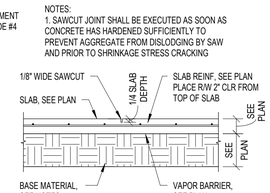
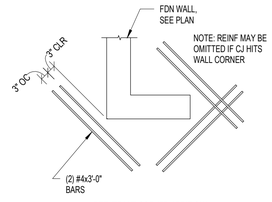
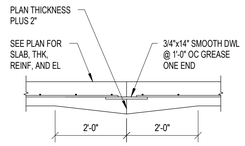


TYP SLAB CONTROL JOINT



REENTRANT CORNER ADDITIONAL REINFORCEMENT REQUIRED



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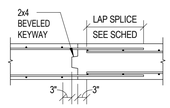

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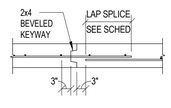

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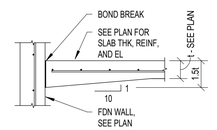
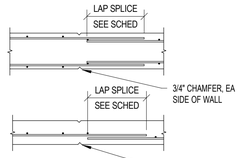


SLAB THICKENED EDGE



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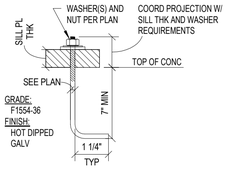
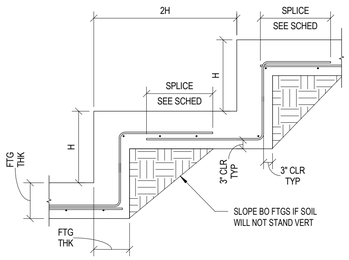
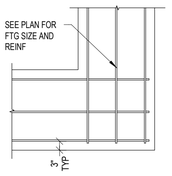


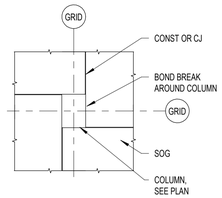
WOOD SILL PLATE ANCHOR



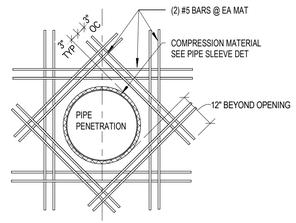
FOOTING STEP



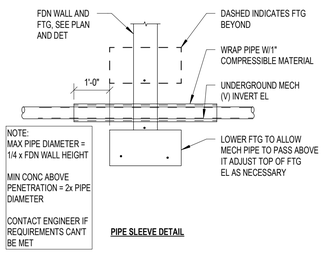
FOOTING CORNER



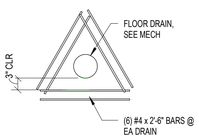
COLUMN ISOLATION JOINT



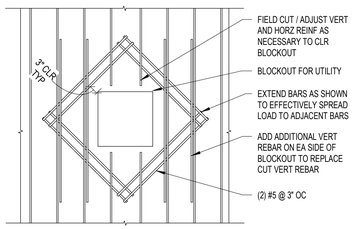
CORNER BARS @ PIPE OPENING



PIPE SLEEVE DETAIL

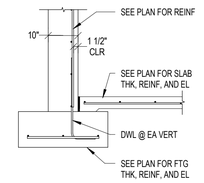


TYPICAL FLOOR DRAIN REINFORCEMENT



UTILITY BLOCKOUT DETAIL

1 FOUNDATION STANDARD DETAILS
S301 1/2" = 1'-0"



2 FDN WALL
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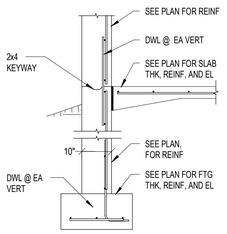

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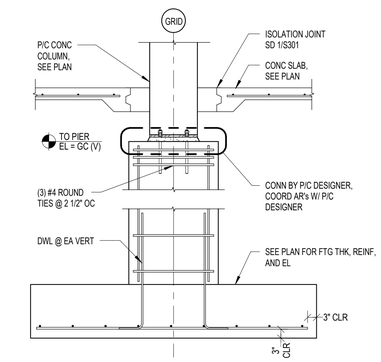
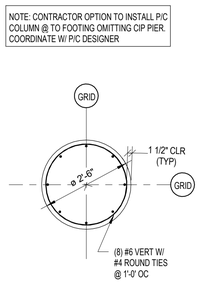
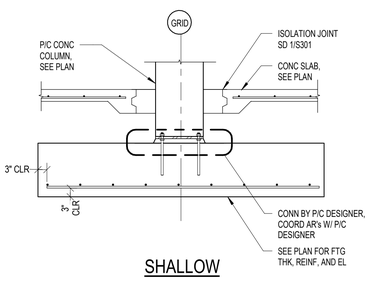
S301 1/2" = 1'-0"



DEEP





SHALLOW

4 FOUNDATION DETAIL
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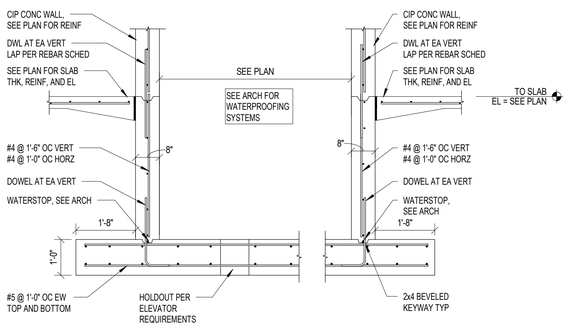

5 FOUNDATION DETAIL
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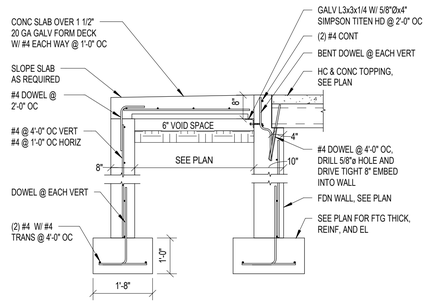
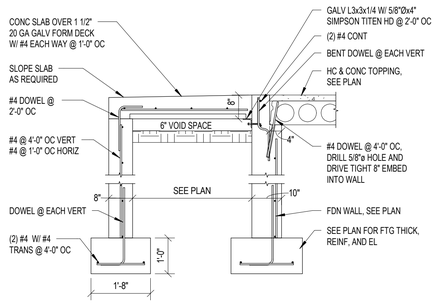
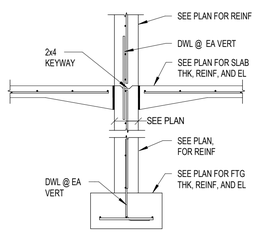
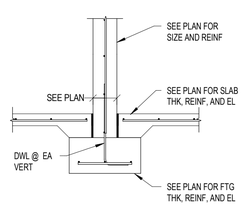


6 STOOP SECTION
S301 1/2" = 1'-0"

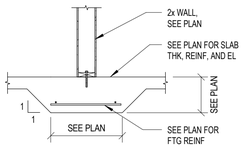


7 STOOP SECTION
S301 1/2" = 1'-0"

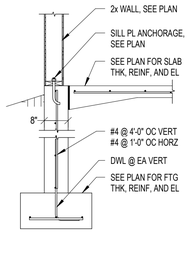




8 FOUNDATION DETAIL
S301 1/2" = 1'-0"



9 THICKENED SLAB
S301 1/2" = 1'-0"



10 FOUNDATION DETAIL
S301 1/2" = 1'-0"

9/9/2024 4:48:51 PM

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions		
#	DATE	COMMENTS

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

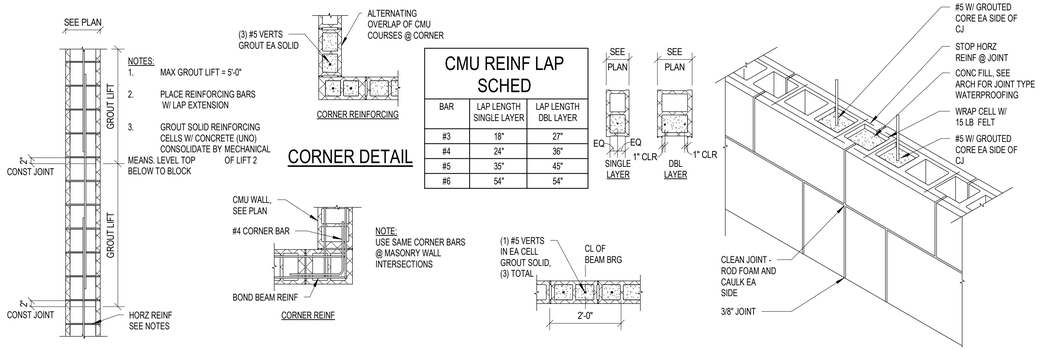
160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS: FOUNDATION DETAILS

SHEET NO.
S301

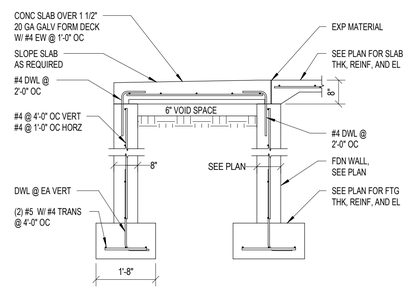
2472-5



CMU REINF LAP SCHED		
BAR	LAP LENGTH SINGLE LAYER	LAP LENGTH DBL LAYER
#3	18"	27"
#4	24"	36"
#5	35"	45"
#6	54"	54"

CMU WALL CONSTRUCTION | BOND BEAM CORNER | BEAM BRG @ CMU | CMU WALL CONTROL JT

1 S302 STANDARD CMU DETAILS
1/2" = 1'-0"



2 S302 STOOP SECTION
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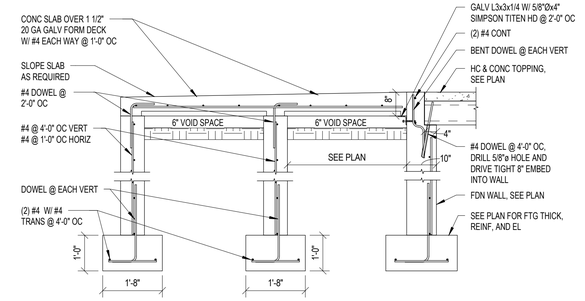
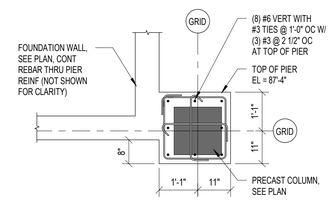


3 S302 STOOP SECTION
1/2" = 1'-0"



4 S302 PIER DETAIL (P1)
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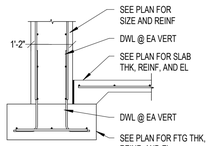

5 S302 FOUNDATION DETAIL
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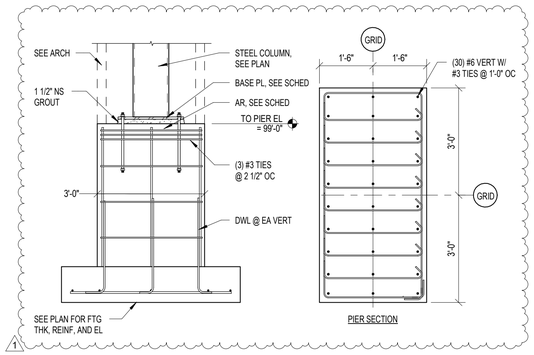

6 S302 PIER DETAIL (P2)
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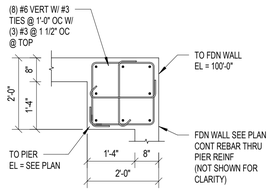

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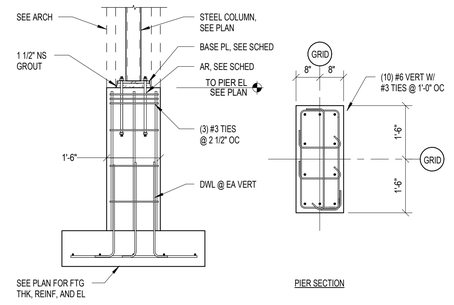

8 S302 PIER DETAIL (P4)
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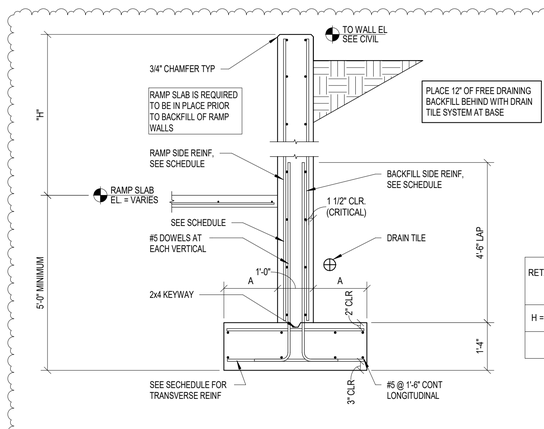
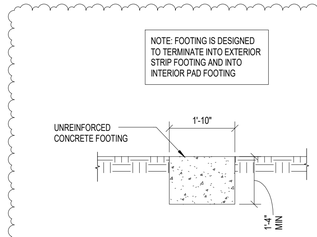


RETAINED HEIGHT "H"	BACKFILL SIDE VERT REINF	RAMP SIDE VERT REINF	HORIZ REINF BOTH SIDES	FTG TOP TRANS REINF	FTG BOTTOM TRANS REINF	FTG DIM "A"
H = 6'-0" TO 10'-0"	#6 @ 0'-9"	#5 @ 1'-6"	#4 @ 1'-4"	#5 @ 1'-4"	#5 @ 1'-4"	2'-6"
H < 6'-0"	#5 @ 1'-2"	#5 @ 1'-6"	#4 @ 1'-4"	#5 @ 1'-6"	#5 @ 1'-6"	2'-6"

9 S302 FOUNDATION DETAIL
1/2" = 1'-0"

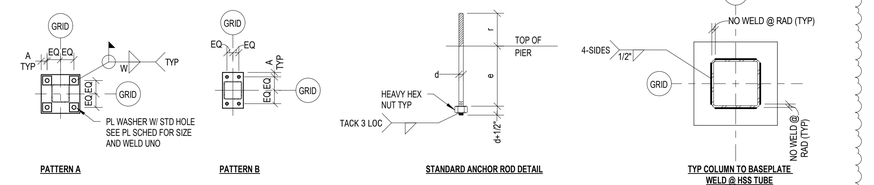


10 S302 TRENCH FOOTING
1/2" = 1'-0"

PLATE WASHER SCHEDULE				
AR Ø	WASHER SIZE	THICKNESS	WELD SIZE, w	COMMENTS
1"	3"	3/8"	1/4	-
1 1/4"	3 1/2"	1/2"	5/16	-

BASE PLATE SCHEDULE									
MARK	SIZE	PATTERN	"A"	"B"	"C"	"D"	"E"	"W"	COMMENTS
BP1	PL 1 1/2"x 1'-10"x1'-10"	A	2 1/4"	-	-	-	-	-	-
BP2	PL 1"x1'-4"x1'-4"	A	2"	-	-	-	-	-	-
BP3	PL 3/4"x5"x1'-0"	B	1 1/2"	-	-	-	-	-	-
SEE TYP COLUMN TO BASEPLATE WELD DET									

ANCHOR ROD SCHEDULE				
MARK	DIAMETER, d	EMBEDMENT, e	REVEAL, r	COMMENTS
AR1	1 1/4"	2'-0"	6"	-
AR2	1"	2'-0"	6"	-
AR3	3/4"	0'-9"	6"	-



11 S302 STANDARD BASE PLATE DETAIL
1/2" = 1'-0"

9/9/2024 4:49:52 PM

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions			
#	DATE	COMMENTS	
1	08/22/2024	BID SET ADDED / EARLY BACKFILL	

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

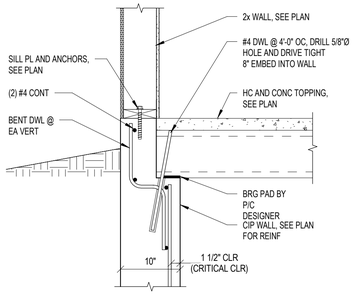
160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

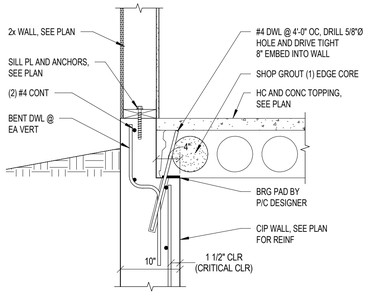
SHEET CONTENTS:
FOUNDATION DETAILS

SHEET NO.
S302

2472-5



1 S401 FRAMING DETAIL
1" = 1'-0"



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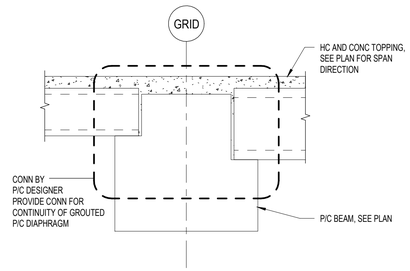

3 S401 FRAMING DETAIL
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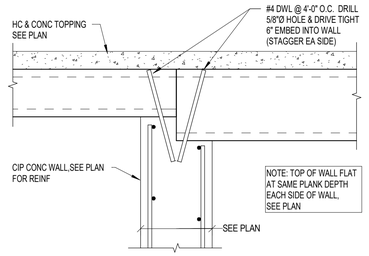
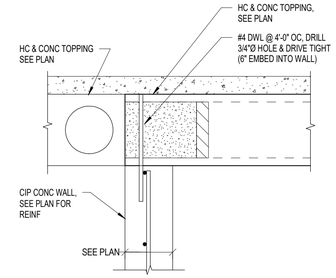
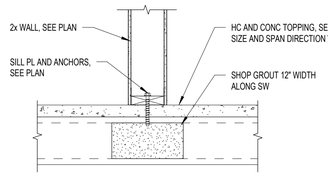


4 S401 FRAMING DETAIL
1" = 1'-0"

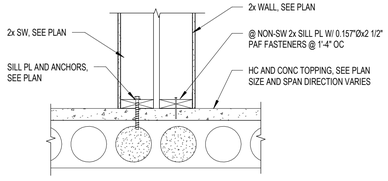


5 S401 FRAMING DETAIL
1" = 1'-0"

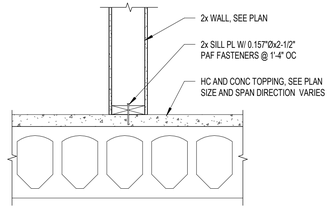
NOTE: SHEARWALL PERPENDICULAR TO PLANK SPAN CAN BE ANCHORED IN GROUTED KEYWAYS REDUCING THE AMOUNT OF SHOP GROUTED CORES.



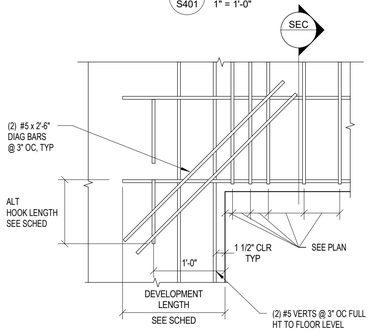
@ SHEARWALL

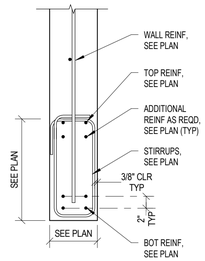


@ SHEARWALL



@ INTERIOR BEARING WALLS UNO





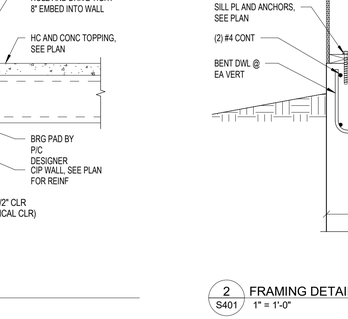
SECTION

DEVELOPMENT LENGTH SCHEDULE		
TOP BAR		
SIZE	DEVELOPMENT LENGTH	ALT HOOK LENGTH
#5	36"	14"
#6	46"	17"
#7	62"	20"
BOTTOM BAR		
SIZE	DEVELOPMENT LENGTH	ALT HOOK LENGTH
#5	27"	14"
#6	27"	14"
#7	27"	14"

6 S401 FRAMING DETAIL
1" = 1'-0"

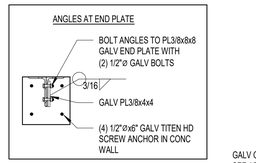
7 S401 FRAMING DETAIL
1" = 1'-0"

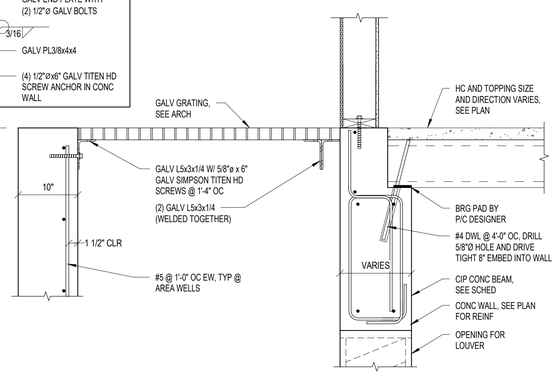
INTERIOR OPENING
WIDE FLANGE LINTEL



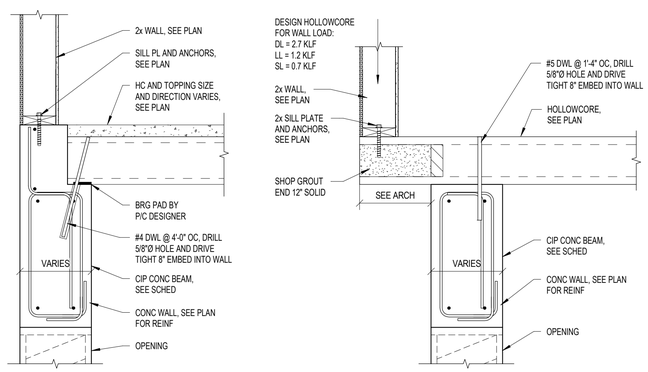
BEARING @ WIDE FLANGE
LINTEL - ONE END OF LINTEL FIXED

8 S401 STANDARD CMU LINTEL DETAILS
1" = 1'-0"





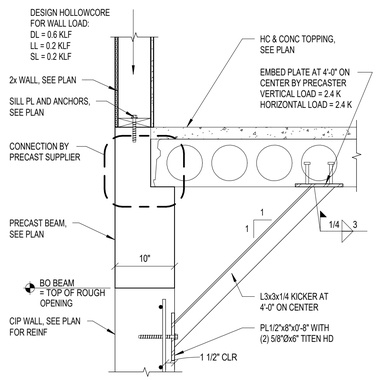
9 S401 FRAMING DETAIL
1" = 1'-0"

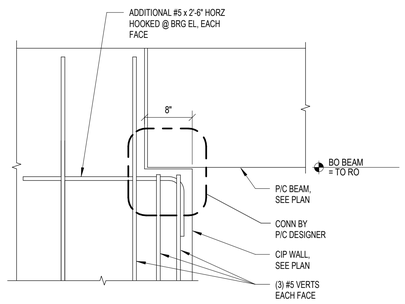


10 S401 FRAMING DETAIL
1" = 1'-0"

AT CANTILEVER

11 S401 FRAMING DETAIL
1" = 1'-0"





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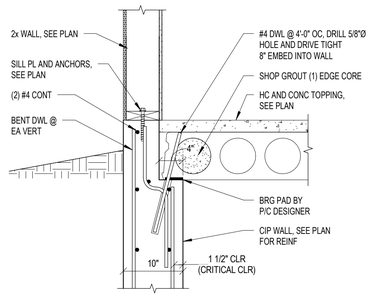

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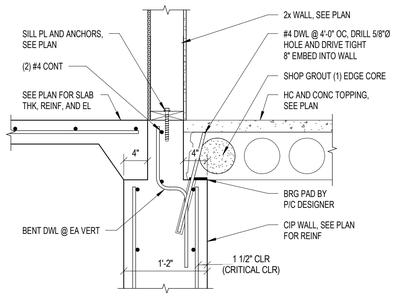

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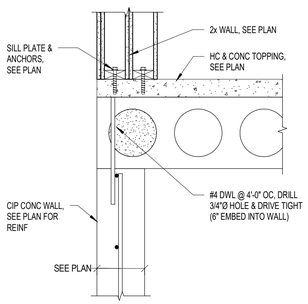

15 S401 FRAMING DETAIL
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9/9/2024 4:49:54 PM

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions	#	DATE	COMMENTS

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
PRECAST DETAILS

SHEET NO.
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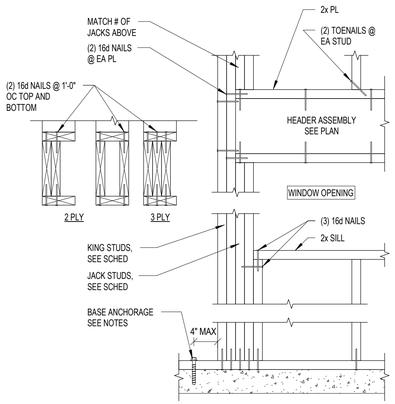
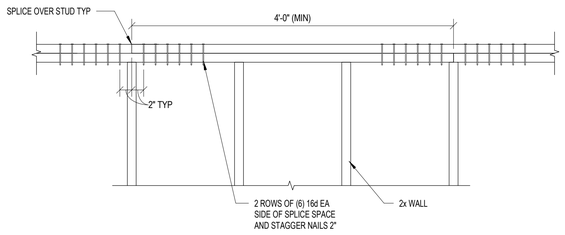
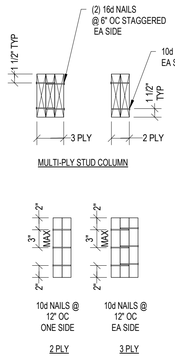


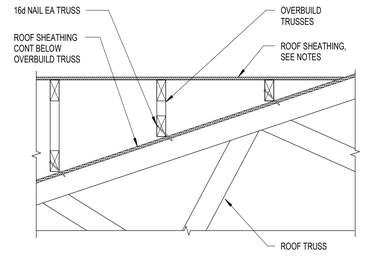
HEADER ASSEMBLY



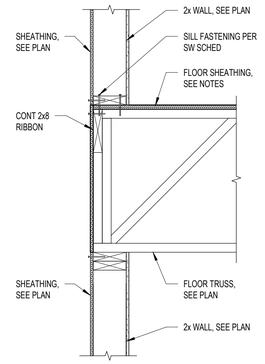
DOUBLE TOP PLATE SPLICE



BEAM FASTENING DETAIL



ROOF TRUSS OVERBUILD



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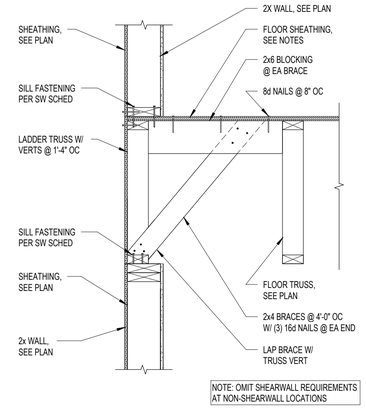

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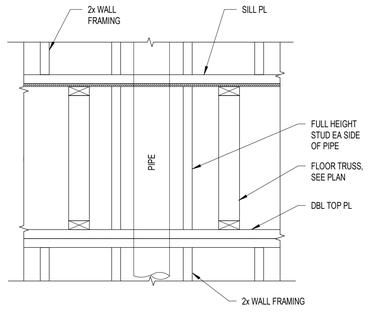
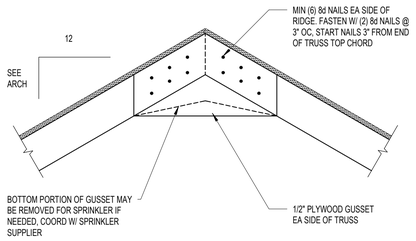
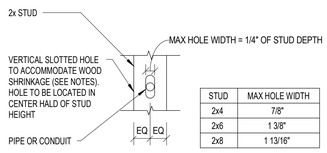


VERTICAL PLUMBING PENETRATION

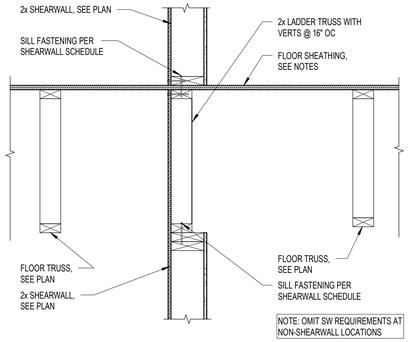


RIDGE GUSSET



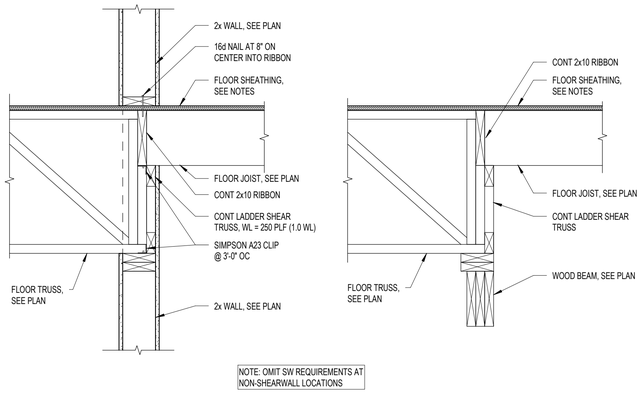
STUD	MAX HOLE WIDTH
2x4	7/8"
2x6	1 3/8"
2x8	1 13/16"

HORIZONTAL PENETRATION THROUGH STUDS



4 S410 FRAMING DETAIL
1" = 1'-0"

1 S410 STANDARD WOOD FRAMING DETAILS
1" = 1'-0"



TYPICAL @ ALCOVE BEAM BEAM BEARING

5 S410 FRAMING DETAIL
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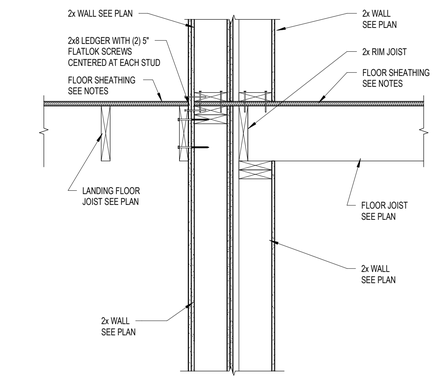
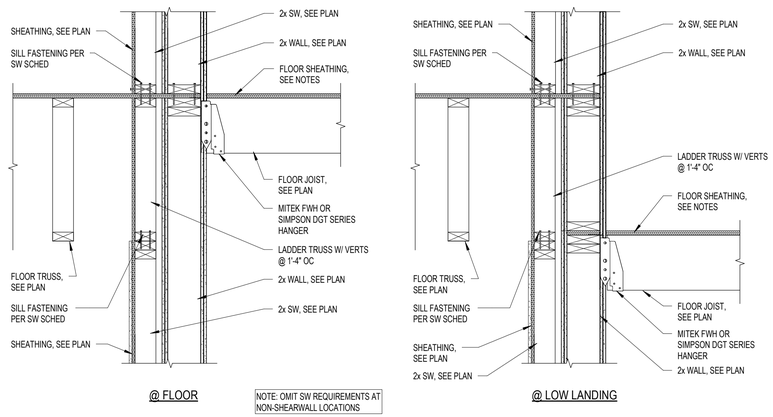


6 S410 FRAMING DETAIL
1" = 1'-0"



7 S410 FRAMING DETAIL
1" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

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Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 **License #:** 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
WOOD FRAMING DETAILS

SHEET NO.
S410
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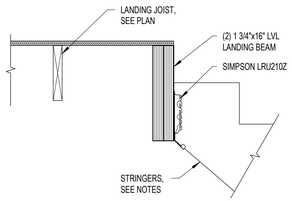
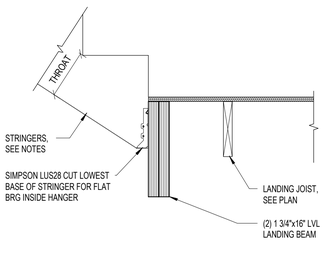
STAIR FRAMING NOTES

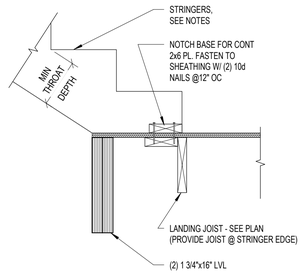
1. SEE ARCH FOR STAIR RISE/RUN AND LANDING DIMENSIONS
2. FRAMING CONDITIONS ENCOUNTERED IN THE FIELD THAT DO NOT MATCH THE SHOWN STRUCTURAL DETAIL, MUST BE COORDINATED W/ STRUCTURAL ENGINEER PRIOR TO WORK
3. DO NOT OVERCUT TREADS
4. STRINGERS: (4) 1 1/2" X 14" LSL EVENLY SPACED
5. MINIMUM THROAT DIMENSIONS:
   14" MEMBER = 8"
   16" MEMBER = 10"
   18" MEMBER = 12"
6. PROVIDE (3) 2x6 AT BEAM BEARING UNO.



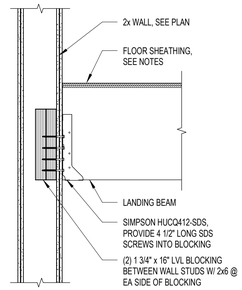
UPPER CONNECTION



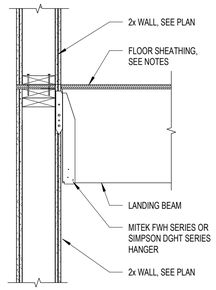
LOWER CONNECTION INTO LANDING



ALTERNATE LOWER CONNECTION ONTO LANDING



INTERMEDIATE LANDING BEAM CONNECTION TO RATED WALL



LANDING BEAM CONNECTION @ DOUBLE TOP PLATE

1 SWITCHBACK STAIR FRAMING DETAILS
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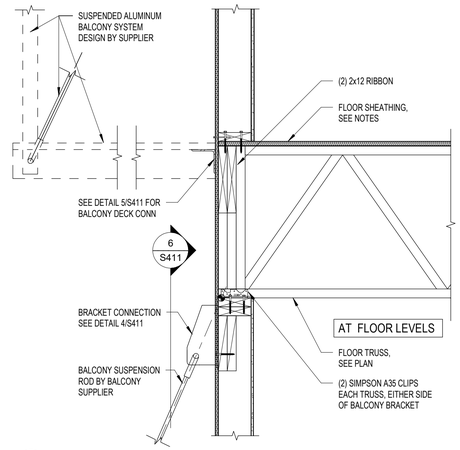

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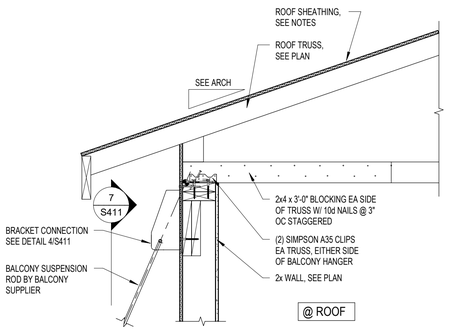

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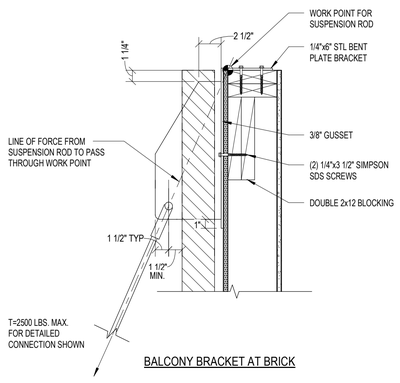
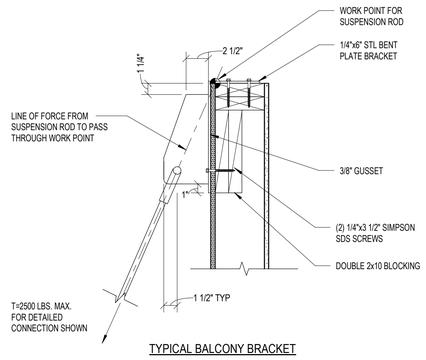


BALCONY BRACKET AT BRICK



TYPICAL BALCONY BRACKET

4 BRACKET DETAIL
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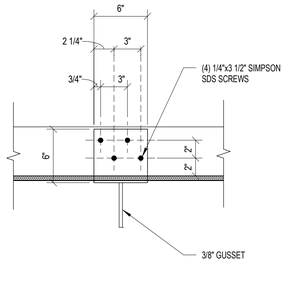

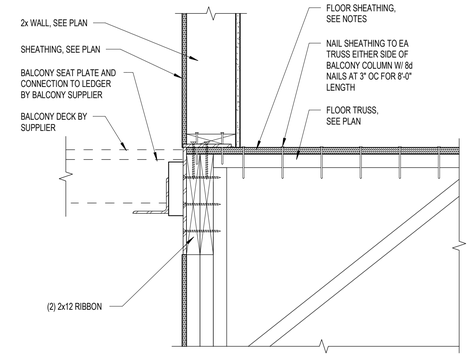

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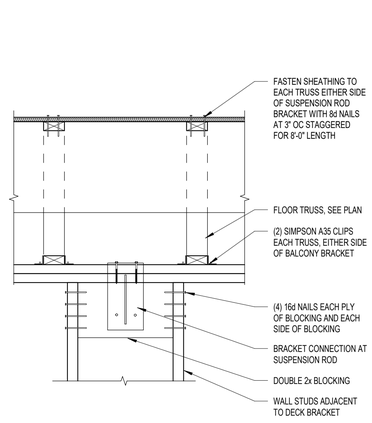

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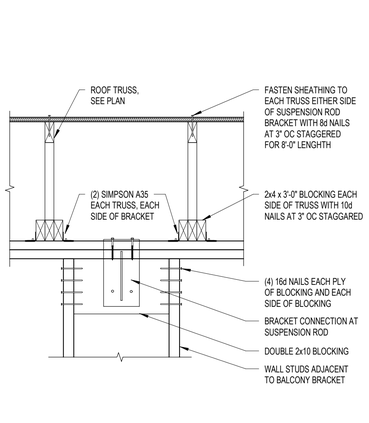

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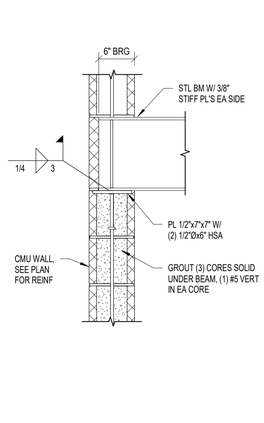

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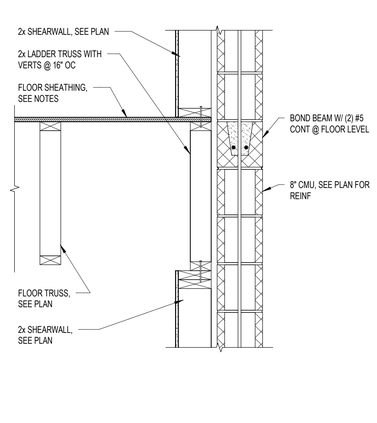

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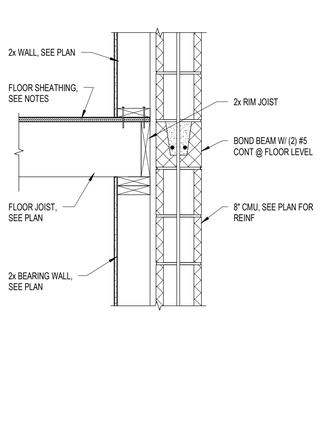

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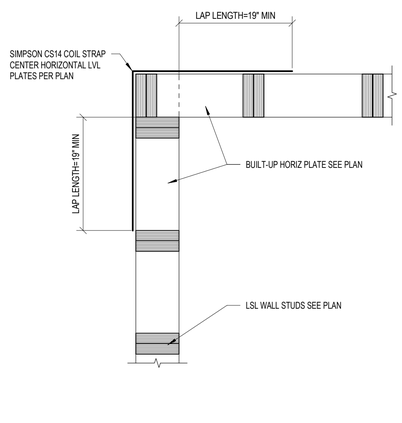

11 FRAMING DETAIL
S411 1" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
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Signature:
Date: 06/27/2024 License #: 57492

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MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

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WOOD FRAMING DETAILS

SHEET NO.
S411
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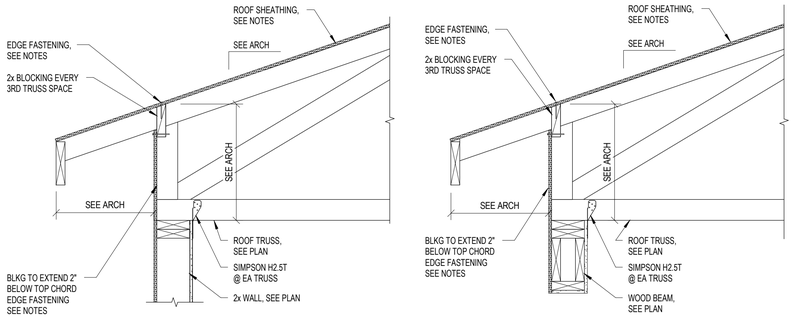

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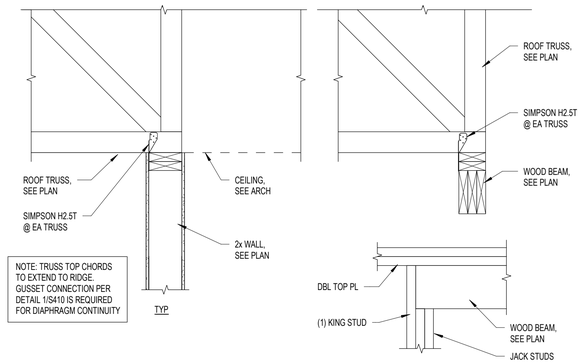

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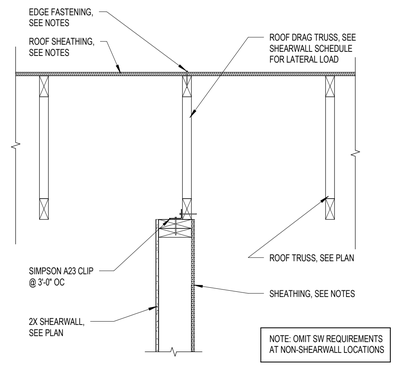

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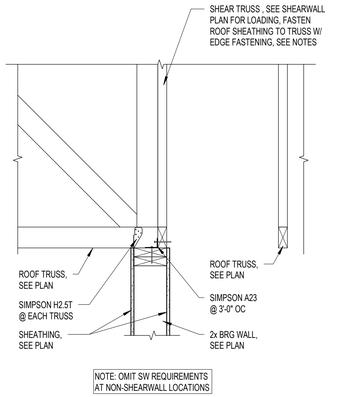

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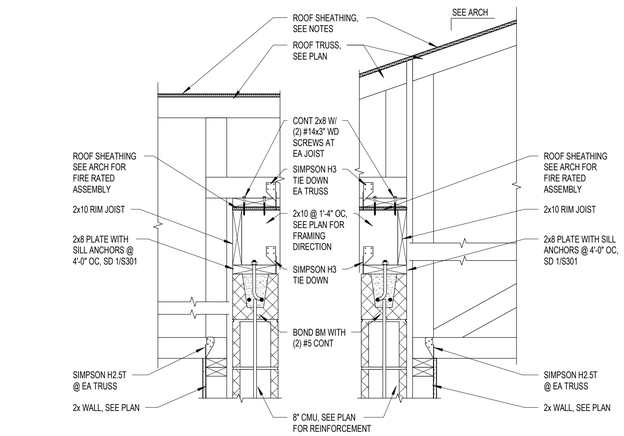

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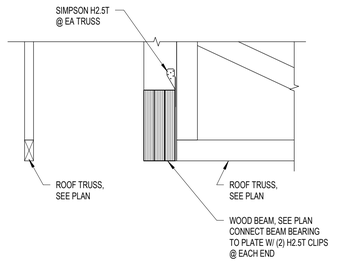

7 S420 FRAMING DETAIL
1" = 1'-0"

8 S420 FRAMING DETAIL
1" = 1'-0"

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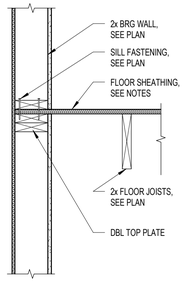
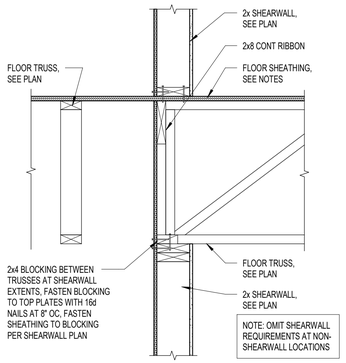
ROOF FRAMING DETAILS

SHEET NO.
S420

1
2472-5



1 S412 FRAMING DETAIL
1" = 1'-0"



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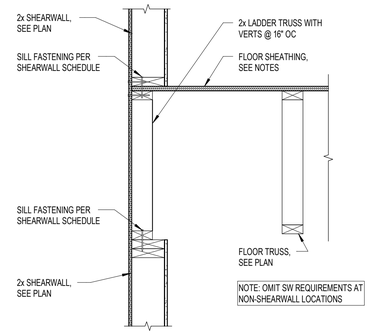

3 S412 FRAMING DETAIL
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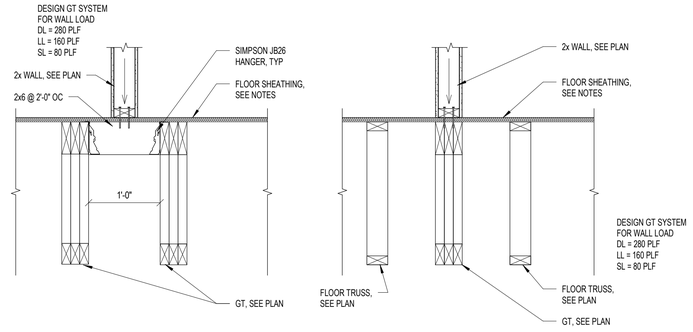

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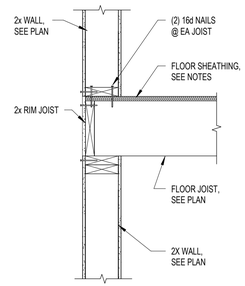
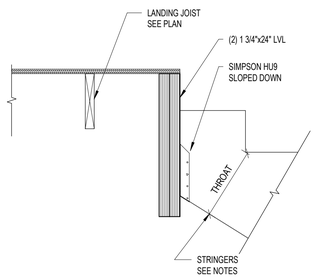


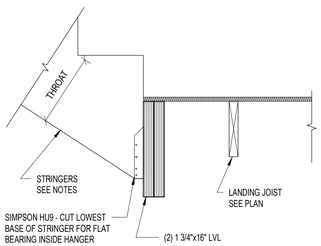
5 S412 FRAMING DETAIL
1" = 1'-0"

STAIR FRAMING NOTES

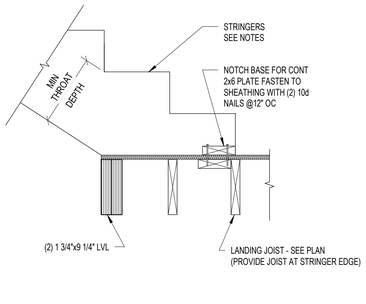
1. SEE ARCH FOR STAIR RISE/RUN AND LANDING DIMENSIONS
2. FRAMING CONDITIONS ENCOUNTERED IN THE FIELD THAT DO NOT MATCH THE SHOWN STRUCTURAL DETAILS, MUST BE COORDINATED WITH STRUCTURAL ENGINEER PRIOR TO WORK
3. DO NOT OVERCUT TREADS
4. STRINGERS: (4) 1 3/4"x18" LVL EVENLY SPACED
5. MIN THROAT DIMENSIONS:
   14" MEMBER = 8"
   16" MEMBER = 10"
   18" MEMBER = 12"
6. PROVIDE (3) 2x6 AT BEAM BEARING UNO.



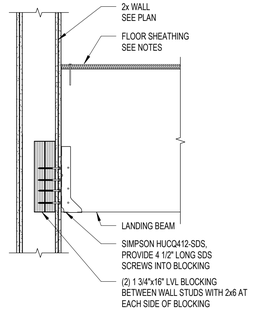
UPPER CONNECTION



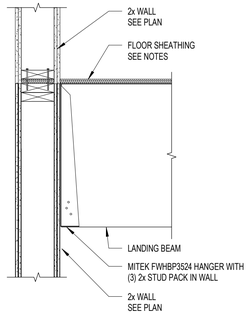
LOWER CONNECTION INTO LANDING



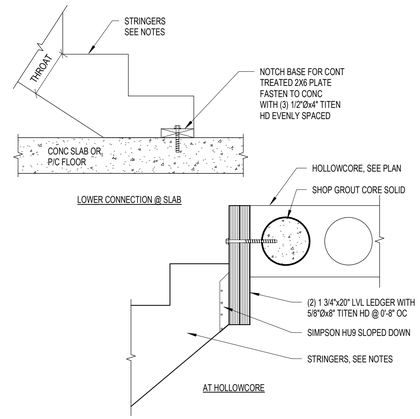
ALTERNATE LOWER CONNECTION ONTO LANDING



INTERMEDIATE LANDING BEAM CONNECTION TO RATED WALL



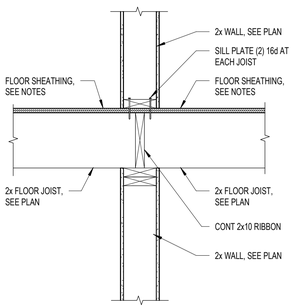
LANDING BEAM CONNECTION AT DOUBLE TOP PLATE



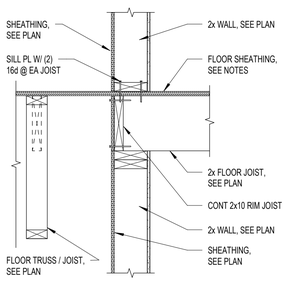
LOWER CONNECTION @ SLAB

AT HOLLOWCORE

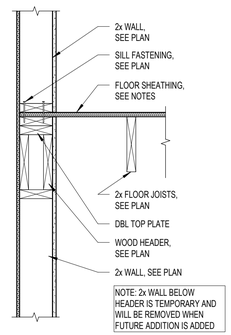
6 S412 FULL RUN STAIR FRAMING DETAILS
1" = 1'-0"



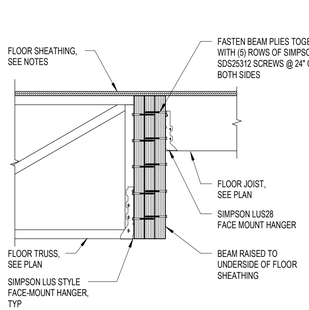
7 S412 FRAMING DETAIL
1" = 1'-0"



8 S412 FRAMING DETAIL
1" = 1'-0"



9 S412 FRAMING DETAIL
1" = 1'-0"



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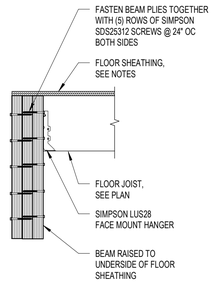
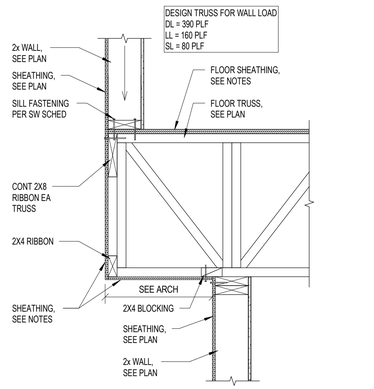


11 S412 FRAMING DETAIL
1" = 1'-0"



12 S412 FRAMING DETAIL
1" = 1'-0"

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Proj. Engineer: DT/GM
Drawn by: ML/BT
Date Issued: 06/27/2024

Revisions #	DATE	COMMENTS
1	08/22/2024	BID SET ADDED / EARLY BACKFILL

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.

Print Name: Nathan Hoffmann
Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

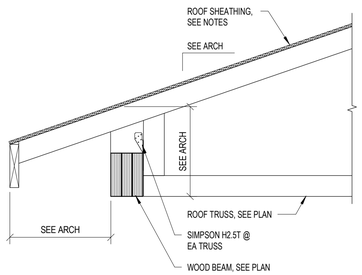
MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

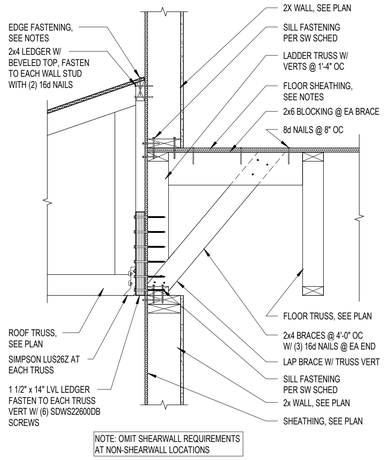
BP 03: Addendum 02 Drawings

SHEET CONTENTS:
WOOD FRAMING DETAILS

SHEET NO.
S412
1
2472-5



1 FRAMING DETAIL
S421 1" = 1'-0"



NOTE: OMIT SHEARWALL REQUIREMENTS AT NON-SHEARWALL LOCATIONS

2 FRAMING DETAIL
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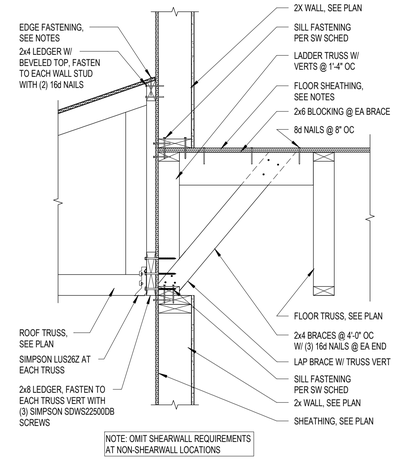

NOTE: OMIT SHEARWALL REQUIREMENTS AT NON-SHEARWALL LOCATIONS

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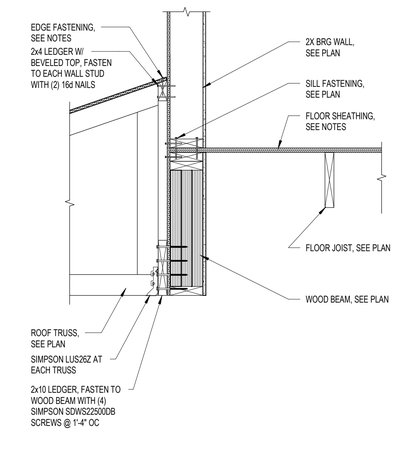
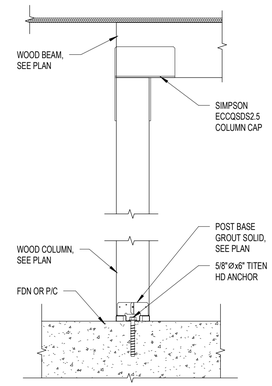
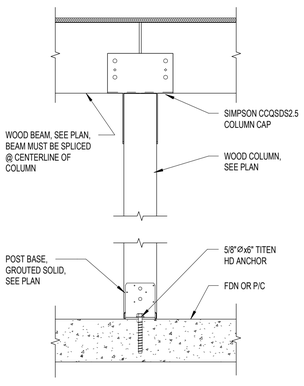


4 FRAMING DETAIL
S421 1" = 1'-0"



5 FRAMING DETAIL
S421 1" = 1'-0"



NOTE: OMIT SHEARWALL REQUIREMENTS AT NON-SHEARWALL LOCATIONS

6 FRAMING DETAIL
S421 1" = 1'-0"

7 FRAMING DETAIL
S421 1" = 1'-0"

8 FRAMING DETAIL
S421 1" = 1'-0"

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Signature:
Date: 06/27/2024 License #: 57492

SPACE FOR ENGINEER'S SEAL

MEDICAL SCHOOL HOUSING

160X CO HWY 134 ST CLOUD, MN 56303

BP 03: Addendum 02 Drawings

SHEET CONTENTS:
ROOF FRAMING DETAILS

SHEET NO.
S421
1
2472-5

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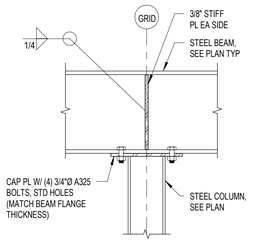
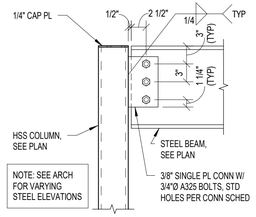
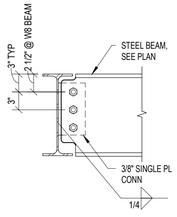


BEAM/COLUMN SPLICE DETAIL



BEAM/COLUMN CONNECTION DETAIL

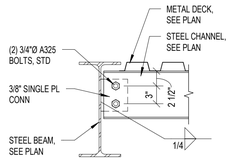


CONNECTION

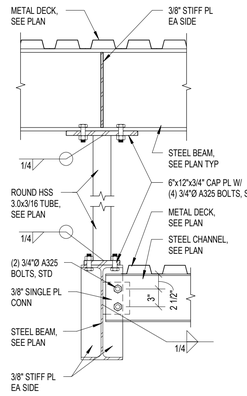
CONNECTION SCHEDULE	
BEAM SIZE	ROWS OF BOLTS
W8, W10	2
W12,W14,W16	3
W18,W21	4
W24,W27,W30	5
W33	6

1 S430 FRAMING DETAIL
1" = 1'-0"

NOTE: SEE ARCH FOR VARYING STEEL ELEVATIONS

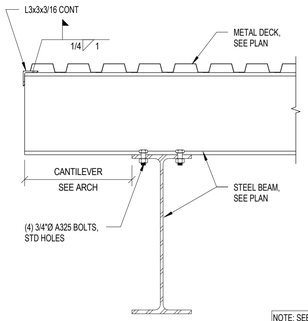


TYPICAL

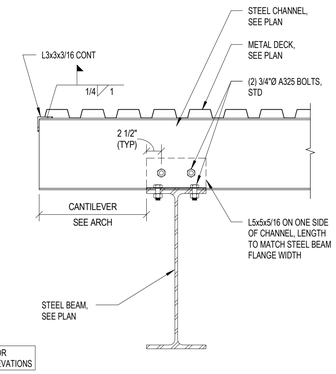


AT ROUND HSS

2 S430 FRAMING DETAIL
1" = 1'-0"



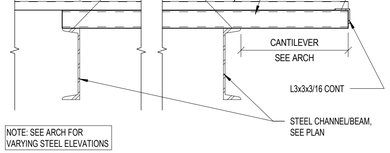
AT WIDE FLANGE



NOTE: SEE ARCH FOR VARYING STEEL ELEVATIONS

AT CHANNEL

3 S430 FRAMING DETAIL
1" = 1'-0"



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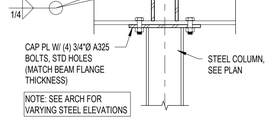
1" = 1'-0"



5 S430 FRAMING DETAIL
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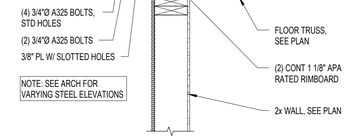
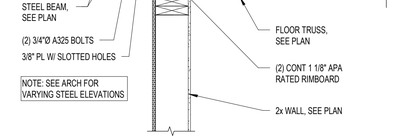
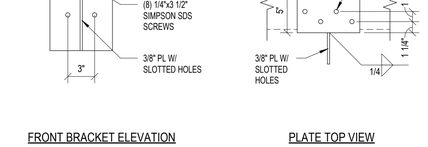


6 S430 FRAMING DETAIL
1" = 1'-0"



7 S430 FRAMING DETAIL
1" = 1'-0"



FRONT BRACKET ELEVATION

PLATE TOP VIEW

8 S430 SUSPENSION ROD BRACKET DETAIL
1 1/2" = 1'-0"

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Signature:
Date: 06/27/2024 License #: 57492

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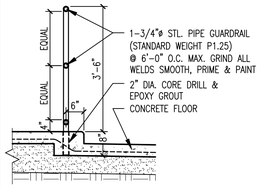
BP 03: Addendum 02 Drawings

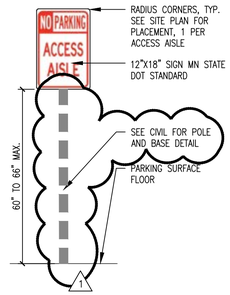
SHEET CONTENTS:
STEEL FRAMING DETAILS

SHEET NO.
S430
1
2472-5



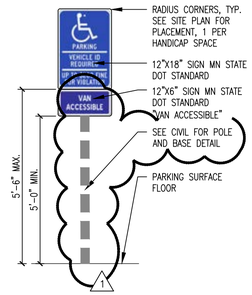
7 MTL. GUARDRAIL SECTION
1/2" = 1'-0"

SIGNAGE SHALL CONFORM W/CURRENT STATE & LOCAL CODES & REGULATIONS



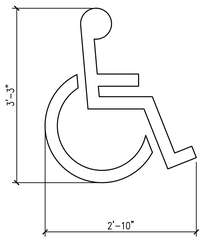
6 NO PARKING–ACCESS AISLE SIGN
3/4" = 1'-0"

SIGNAGE SHALL CONFORM W/CURRENT STATE & LOCAL CODES & REGULATIONS

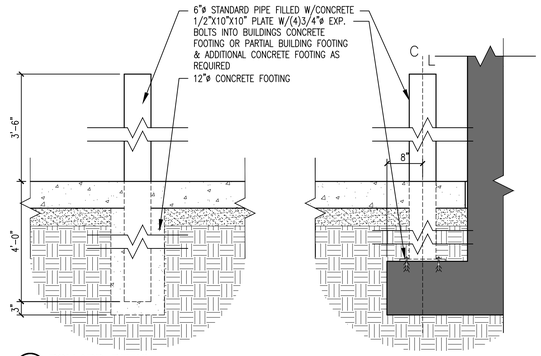


5 H.C. PARKING SIGN
3/4" = 1'-0"

39" TALL 34" WIDE 4" STROKE – INTERNATIONAL STANDARD HANDICAP PARKING STENCIL, PROVIDE 1 PER H.C. PARKING SPACE. PAINT SYMBOL (2) COATS LIGHT BLUE.



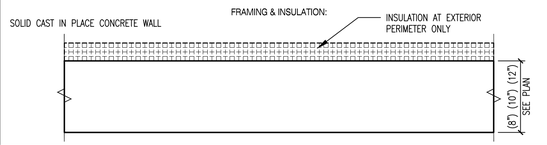
4 H.C. PARKING SYMBOL
3/4" = 1'-0"



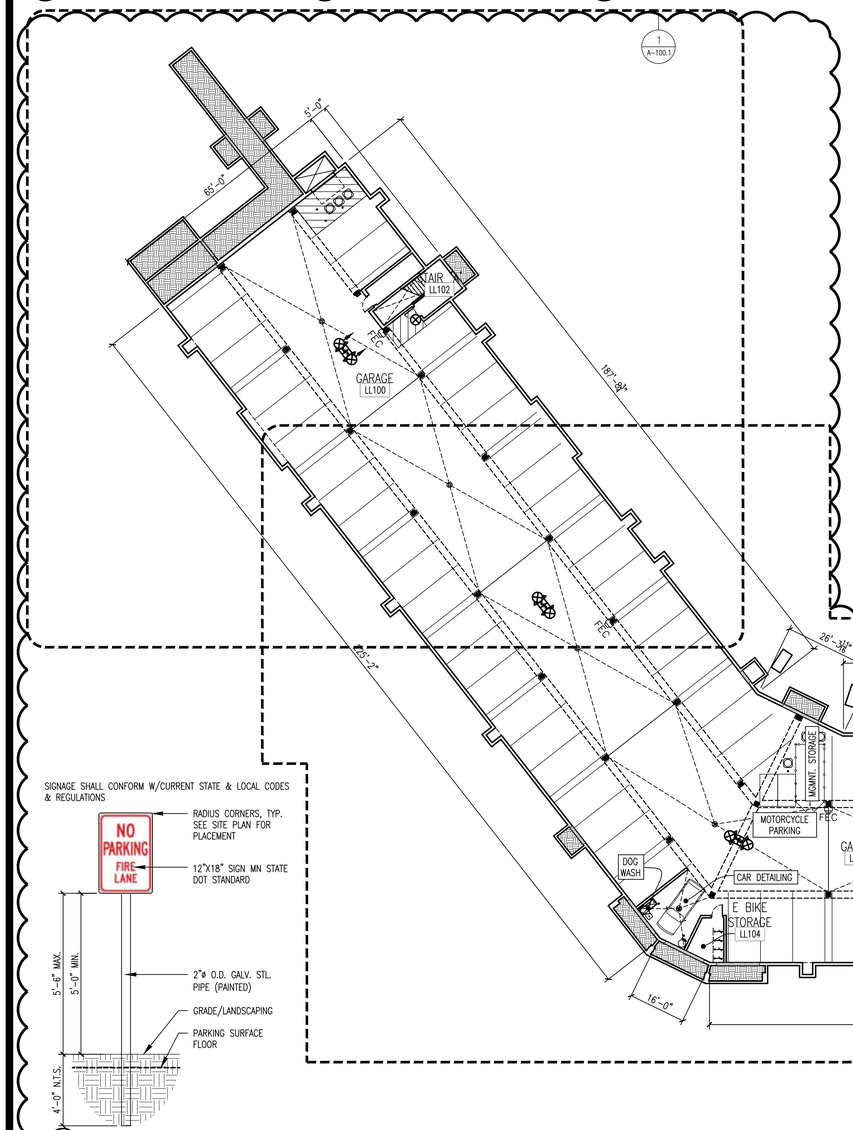
3 BOLLARD DETAIL
3/4" = 1'-0"

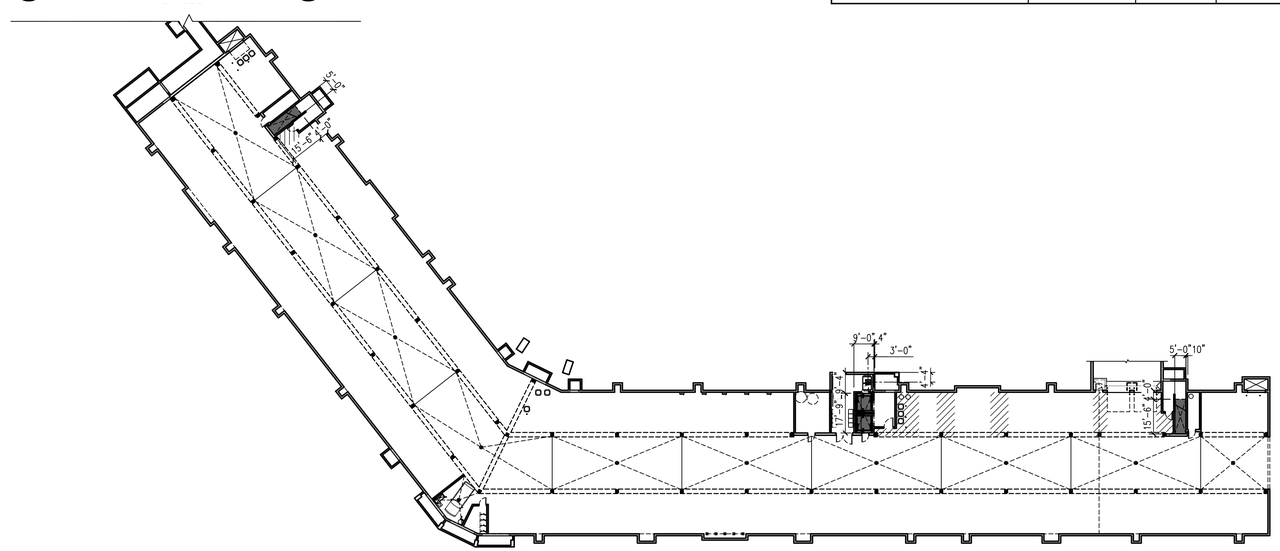
TABLE 722.2.1.1
MINIMUM EQUIVALENT THICKNESS OF CAST-IN-PLACE OR PRECAST CONCRETE WALLS, LOAD-BEARING OR NONLOAD-BEARING

CONCRETE TYPE	MINIMUM SLAB THICKNESS (inches) FOR FIRE-RESISTANCE RATING OF				
	1 hour	1 /2 hours1	2 hours	3 hours	4 hours
Siliceous	3.5	4.3	5.0	6.2	7.0
Carbonate	3.2	4.0	4.6	5.7	6.6
Sand-lightweight	2.7	3.3	3.8	4.6	5.4
Lightweight	2.5	3.1	3.6	4.4	5.1

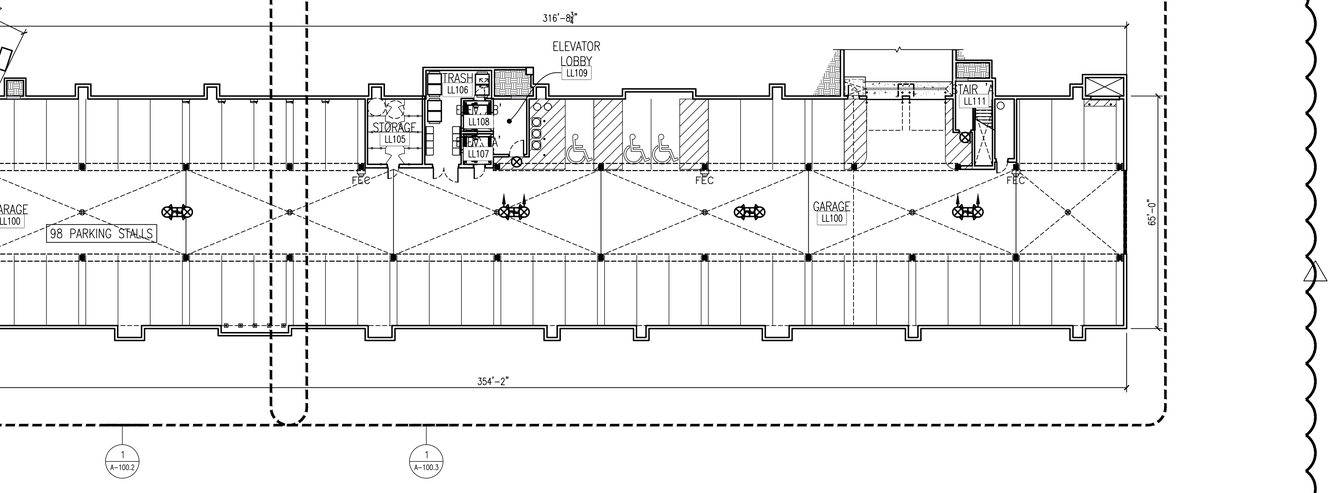


C722.2			
	FIRE HR RATING	2 HR. MIN	SCALE: 1-1/2" = 1'-0"
	FIRE TEST	PER IBC TABLE 722.2.1.1	
	STC RATING	N/A	





8 PLANK OPENINGS
1/32" = 1'-0"



SIGNAGE SHALL CONFORM W/CURRENT STATE & LOCAL CODES & REGULATIONS

? NO PARKING–FIRE LANE SIGN
3/4" = 1'-0"

1 OVERALL LOWER LEVEL PLAN
13/256" = 1'-0"

LOWER LEVEL PHASE

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Graeme H.D. Mahler
Reg. No. 22314
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No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
LOWER LEVEL PHASE
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet OVERALL LOWER LEVEL PLAN
A-100

LOWER LEVEL DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HEIGHT	DOOR MATL	DOOR GLAZING	FRAME MATL	RATING (minutes)	HARDWARE SET NO	NOTES
LL100A	3'-0"	7'-0"	INSUL. H.M.	HALF LIGHT	INSUL. H.M.	--	H14	--
LL100B	10'-0"	8'-6"	INSULATED MTL. O.H.	SEE EXT. ELEVS.	O.H. TRACK	--	H20	--
LL100C	10'-0"	8'-6"	INSULATED MTL. O.H.	SEE EXT. ELEVS.	O.H. TRACK	--	H20	--
LL101A	3'-0"	7'-0"	H.M.	--	H.M.	--	H5	--
LL102A	3'-0"	7'-0"	H.M.	--	H.M.	90	H22	--
LL104A	3'-0"	7'-0"	H.M.	--	H.M.	60	H5	--
LL105A	3'-0"	7'-0"	H.M.	--	H.M.	60	H5	--
LL106A	7'-0"	7'-0"	H.M.	--	H.M.	90	H21	--
LL107A	3'-0"	7'-0"	H.M.	--	H.M.	90	H5	--
LL109A	4'-0"	7'-0"	H.M.	--	H.M.	--	H22	--
LL111A	3'-0"	7'-0"	H.M.	--	H.M.	90	H22	--
LL112A	3'-0"	7'-0"	H.M.	--	H.M.	--	H5	--

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE SHEET A-401.2 FOR BUILDING WRAP DETAILS.

SEE FIRST FLOOR HARDWARE FOR NUMBERS GROUPS NOT LISTED

SCHLAGE NORTHBROOK OR EQUAL, USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS, S SERIES ELSEWHERE, LEVER HANDLES, SATIN NICKEL. HARDWARE TO MATCH DOOR, AND/OR WALL RATING, WHICHEVER IS MORE STRINGENT. NOTE: ALL LITES TO BE TEMPERED.

H20: (OVERHEAD) 12'X8'-6" SLATE 9208 MODERN STEEL, 3" STANDARD RADIUS TRACK 120K CYCLE TORSION SPRINGS, VINYL WEATHER SEAL, LIFTMASTER 'HERCULES', UNDERGROUND PARKING COMMERCIAL DOOR OPENER WITH U-PASS AUTOMATED ENTRY SYSTEM, TWO REMOTES AND KEYPADS FOR EACH DOOR, WITH PROXIMITY SENSORS, TIMER TO CLOSE AUTOMATICALLY, NYLON ROLLERS

H21: (GARAGE TRASH) HEAVY DUTY HINGES, ENTRANCE/OFFICE, PUSH BUTTON LOCK, LEVER & TRIM, CLOSER, SMOKE GASKET, SWEEP, RIM LOCK, FLUSH BOLTS ON INACTIVE SIDE

H22: (TYP. INT GARAGE) HINGES, PASSAGE, LEVER & TRIMS, CLOSER, SMOKE SEALS, SWEEP,ACCESSIBLE THRESHOLD

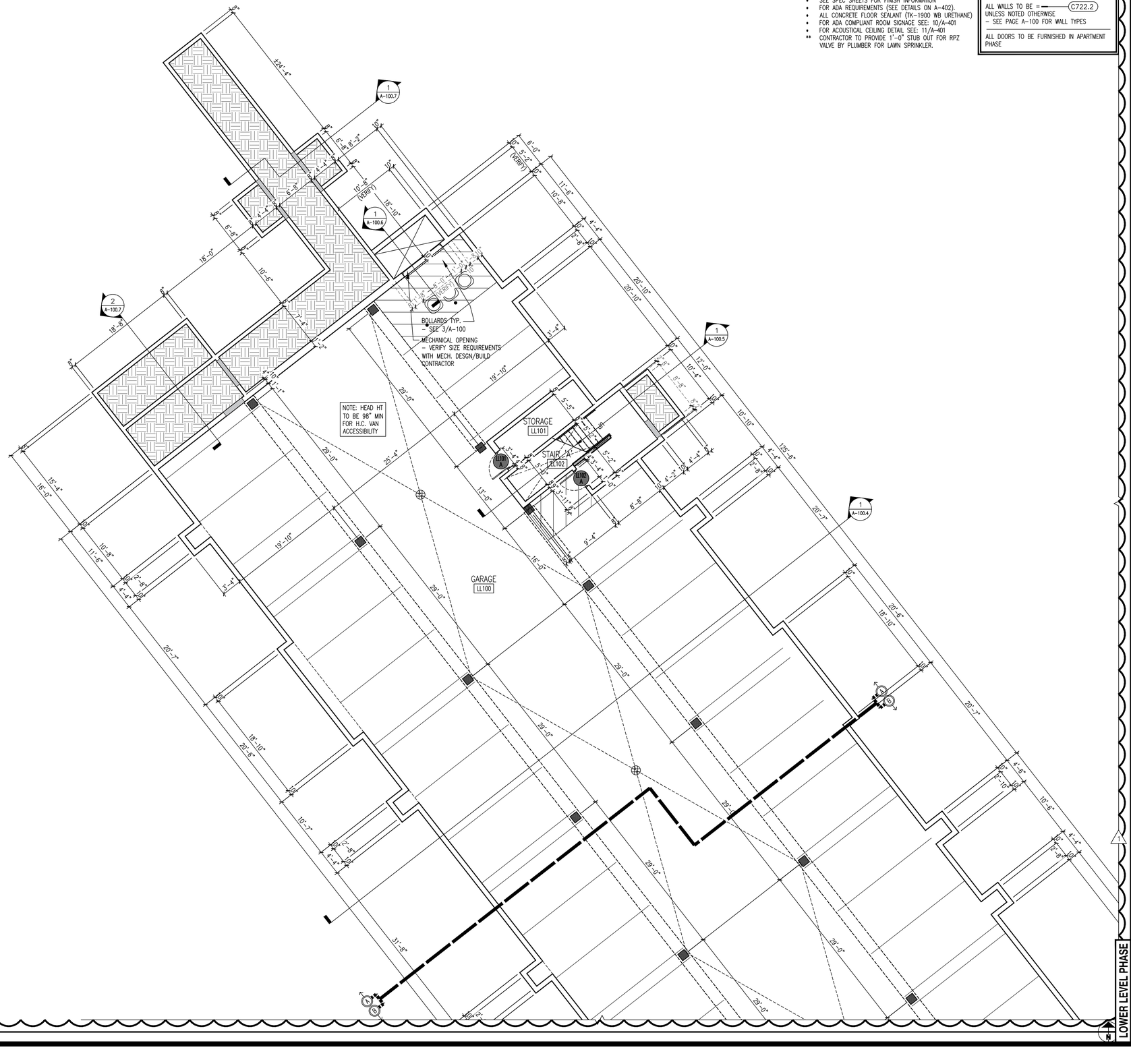
LOWER LEVEL ROOM FINISH NOTES

- SEE SPEC SHEETS FOR FINISH INFORMATION
- FOR ADA REQUIREMENTS (SEE DETAILS ON A-402).
- ALL CONCRETE FLOOR SEALANT (TK-1900 WB URETHANE)
- FOR ADA COMPLIANT ROOM SIGNAGE SEE: 10/A-401
- FOR ACOUSTICAL CEILING DETAIL SEE: 11/A-401
- ** CONTRACTOR TO PROVIDE 1'-0" STUB OUT FOR RPZ VALVE BY PLUMBER FOR LAWN SPRINKLER.

FLOOR PLAN NOTES:

ALL WALLS TO BE = C722.2 UNLESS NOTED OTHERWISE – SEE PAGE A-100 FOR WALL TYPES

ALL DOORS TO BE FURNISHED IN APARTMENT PHASE



1 LOWER LEVEL – AREA 'A'
1/8" = 1'-0"

LOWER LEVEL PHASE

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Firm Name and Address

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LOWER LEVEL PHASE
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
LOWER LEVEL - AREA 'A'

A-100.1

- OF -

LOWER LEVEL ROOM FINISH NOTES

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ALL WALLS TO BE = C722.2
UNLESS NOTED OTHERWISE
– SEE PAGE A-100 FOR WALL TYPES

ALL DOORS TO BE FURNISHED IN APARTMENT PHASE

GARAGE LL100

CAR DETAILING LL103

E BIKE STORAGE LL104

CHAIN LINK FENCE

PERIMETER OF SLAB = 89'-0" TYP.

SLAB AT COLUMN LINE = -2" TYP

SLAB RIDGE LINE = -2" TYP

NOTE: HEAD HT TO BE 98" MIN FOR H.C. VAN ACCESSIBILITY

FLOOR DRAINS AT -4" TYP

REMOVABLE BOLLARDS

1 LOWER LEVEL – AREA 'B'
1/8" = 1'-0"

LOWER LEVEL PHASE

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Project 2401
Date 06/27/2024
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Sheet
LOWER LEVEL - AREA 'B'

A-100.2

LOWER LEVEL ROOM FINISH NOTES

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- FOR ADA REQUIREMENTS (SEE DETAILS ON A-402).
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- FOR ADA COMPLIANT ROOM SIGNAGE SEE: 10/A-401
- FOR ACOUSTICAL CEILING DETAIL SEE: 11/A-401

** CONTRACTOR TO PROVIDE 1'-0" STUB OUT FOR RPZ VALVE BY PLUMBER FOR LAWN SPRINKLER.

FLOOR PLAN NOTES:

ALL WALLS TO BE = C722.2 UNLESS NOTED OTHERWISE
– SEE PAGE A-100 FOR WALL TYPES

ALL DOORS TO BE FURNISHED IN APARTMENT PHASE

A – ADA PARKING SIGN
B – ADA PARKING SYMBOL
C – ADA ACCESS ISLE SIGN

SEE SHEET A-100 FOR SIGNAGE DETAILS

D – EV CHARGER (LEVEL II)

1 LOWER LEVEL – AREA 'C'
1/8" = 1'-0"

LOWER LEVEL PHASE

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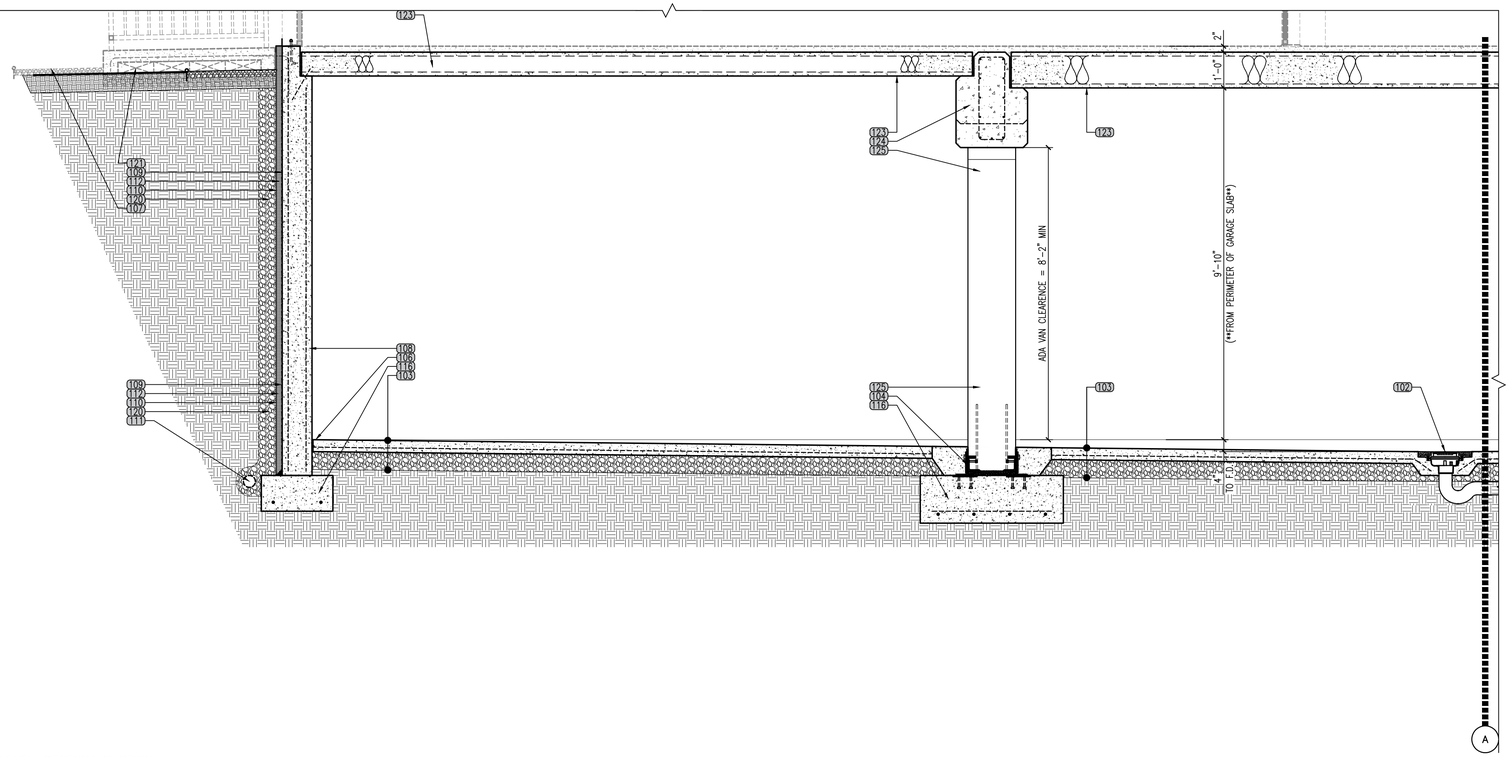
Date 06/27/2024
Scale AS INDICATED
Sheet LOWER LEVEL - AREA 'C'

A-100.3

- OF -

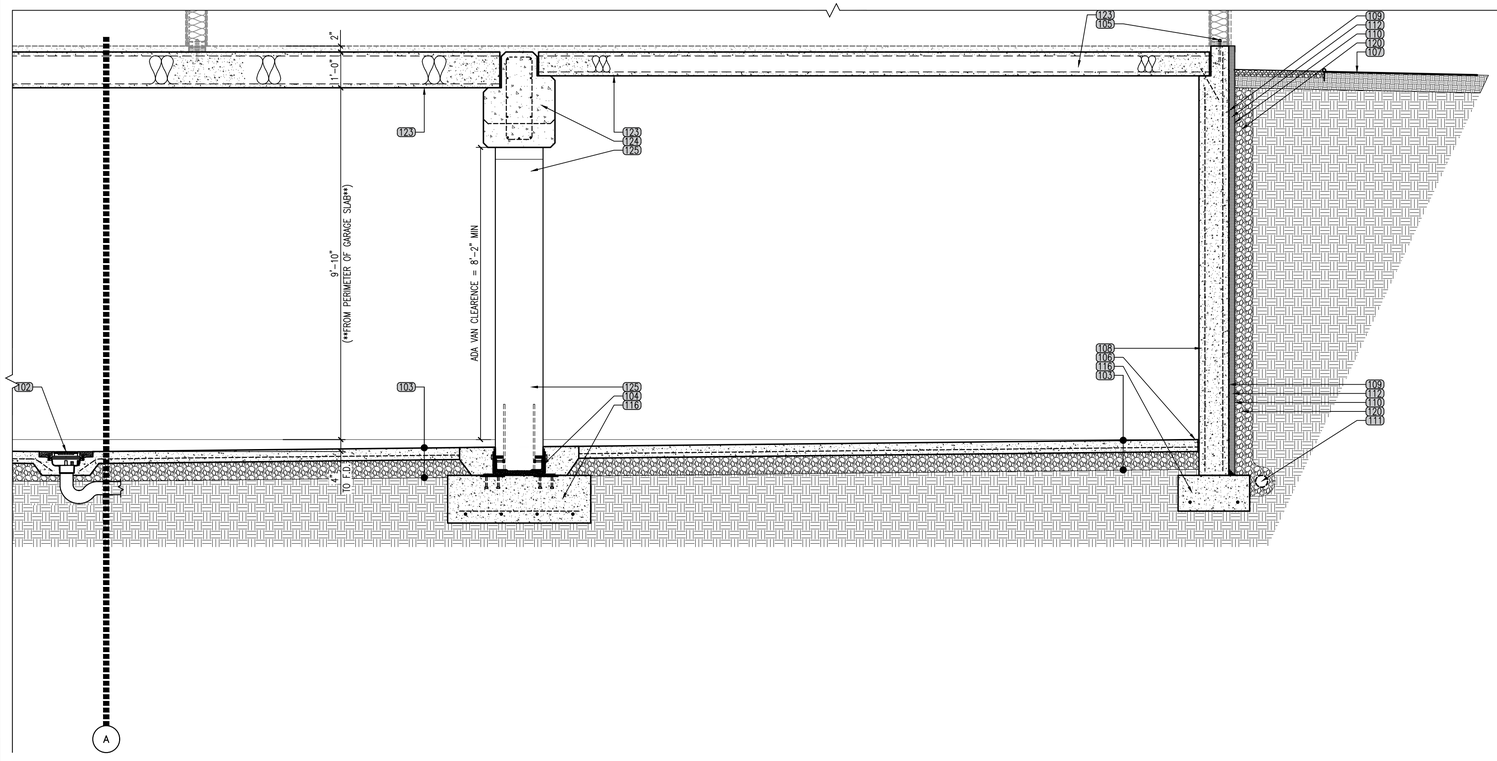


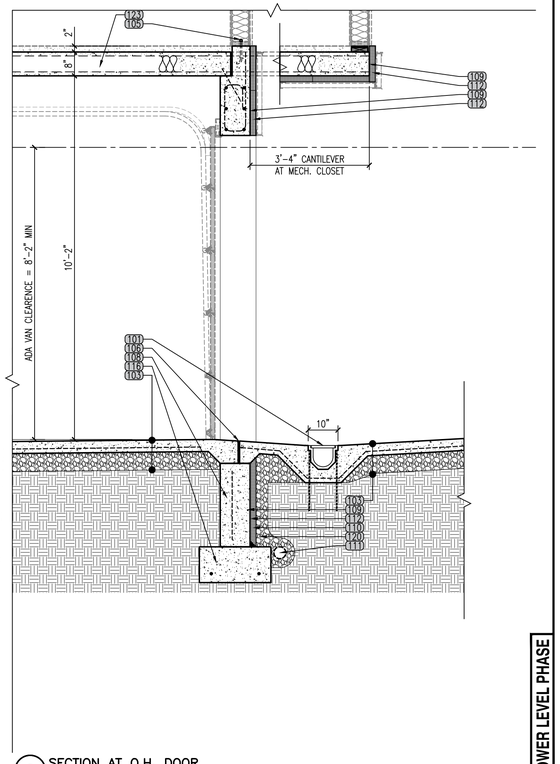
1 TYPICAL LOWER LEVEL SECTION SECTION
1/2" = 1'-0"

SECTION NOTES

SLAB/FOUNDATION/FOOTING CONSTRUCTION

101. PRE-FORMED TRENCH DRAIN W/METAL GRATE. INSTALL PER MFR.'S REQUIREMENTS (SEE C.M.L)
102. VEHICLE TRAFFIC GRADE AREA DRAIN - INSTALL PER MFR.'S REQUIREMENTS
103. CONCRETE FLOOR/SLAB (SEE STRUCT.)
    - 6 MIL POLY VAPOR BARRIER
    - 6" COMPACTED GRANULAR FILL
104. SHIMS &/OR CONNECTION BY PRECASTER
105. ANCHOR BOLT (SEE STRUCT.)
106. 1/2" RIGID EXPANSION MATERIAL W/SEALANT CONT. AT PERIMETER, TYP.
107. GRADE, SLOPE AWAY FROM BUILDING 1/4" PER 1'-0" MIN. (SEE C.M.L DRAWINGS)
108. CAST IN PLACE CONC. WALL - (SEE STRUCT)
109. SPRAY-ON WATER-PROOF BELOW GRADE, TYP.
110. VERTICAL WALL DRAINAGE MAT BELOW GRADE, TYP.
111. 6"ø DRAIN TILE W/FABRIC COVER, CONNECT TO SUMP
112. 2" RIGID FOUNDATION INSULATION
113. BOND BEAM (SEE STRUCT.)
114. C.M.U. FOUNDATION WALL (SEE STRUCT.)
115. CONCRETE PIER (SEE STRUCT.)
116. CONCRETE FOOTING (SEE STRUCT.)
117. WATER STOP
118. CONCRETE SLAB (SEE C.M.L) (PROVIDE BOX VOIDS UNDER SLABS AT STOOPS)
119. CONCRETE STOOP (SEE STRUCT.)
120. GRANULAR BACKFILL
121. POURED CONCRETE PATIO SLAB, SLOPE AWAY FROM BUILDING (PROVIDE BOX VOIDS UNDER PATIO) PIN PATIO TO FOUNDATION.
122. C.I.P. CONC. FOUNDATION WALL INFILL (SEE STRUCT.)
123. PRECAST CONCRETE PLANK PER PRECASTER - (ALL IMBEDS SUPPLIED BY PRECASTER. PROVIDE TO CONTRACTOR PRIOR TO FOUNDATION WALL CONSTRUCTION)
124. STEEL & CAST-IN-PLACE CANOPY/DECK STRUCTURE (DESIGN IN UPPER LEVEL BID PACKAGE)
125. PRECAST CONCRETE COLUMN - SEE STRUCT. (ALL CONNECTIONS BY PRECASTER)





2 SECTION AT O.H. DOOR
1/2" = 1'-0"

LOWER LEVEL PHASE

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ARCHITECTURE
Firm Name and Address
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LOWER LEVEL PHASE
160X CO HWY 134
ST CLOUD, MN 56303
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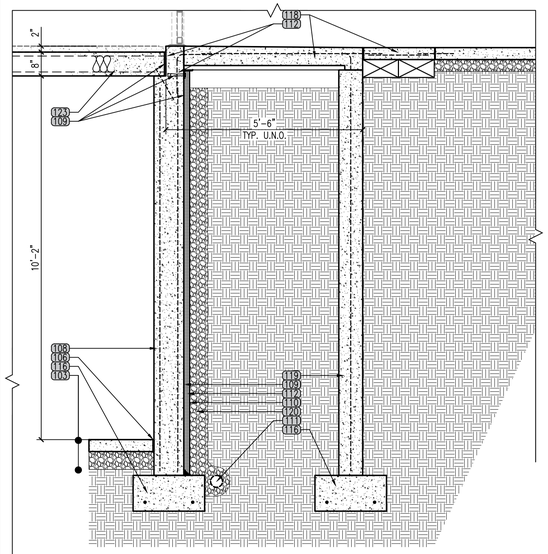
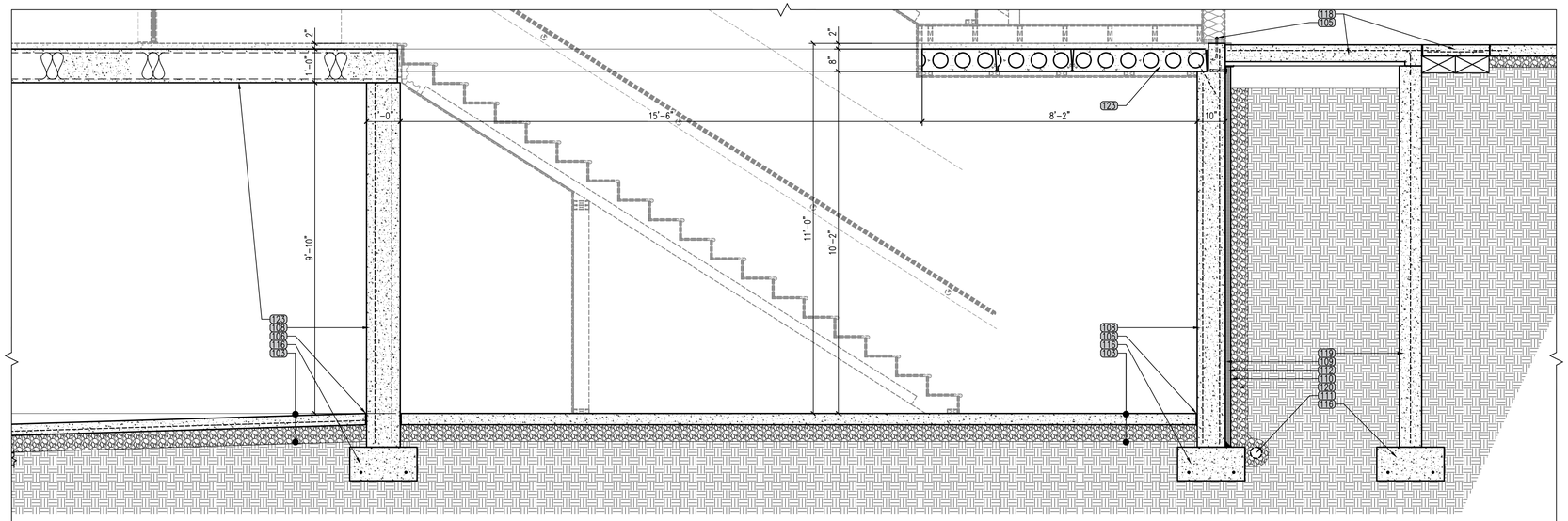
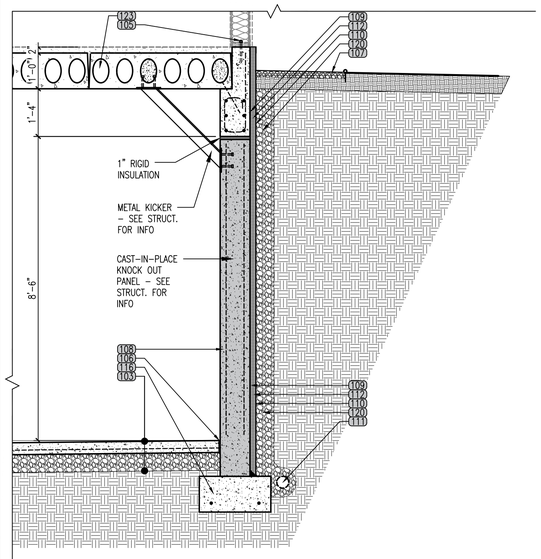
Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet LOWER LEVEL - SECTIONS
A-100.4



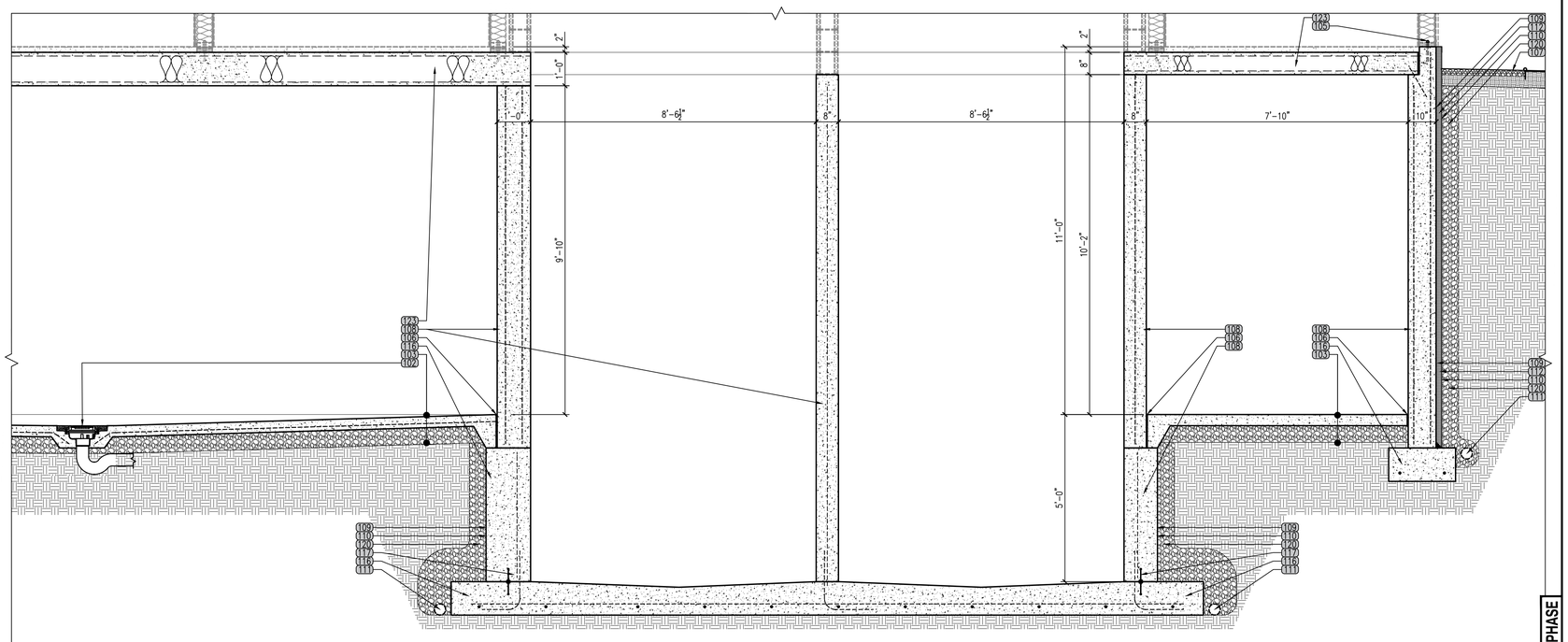
3 TYP. STOOP
1/2" = 1'-0"



1 LOWER LEVEL STAIR SECTION
1/2" = 1'-0"



4 SECTION AT KNOCK OUT PANEL
1/2" = 1'-0"



2 LOWER LEVEL ELEVATOR SHAFT SECTION
1/2" = 1'-0"

LOWER LEVEL PHASE

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Scale AS INDICATED
Sheet LOWER LEVEL - SECTIONS
A-100.5

3 DRIVE UNDER CANOPY SECTION
1/2" = 1'-0"

1 SECTION AT MECHANICAL WELL
1/2" = 1'-0"

2 SECTION AT COMMUNITY DECK
1/2" = 1'-0"

LOWER LEVEL PHASE

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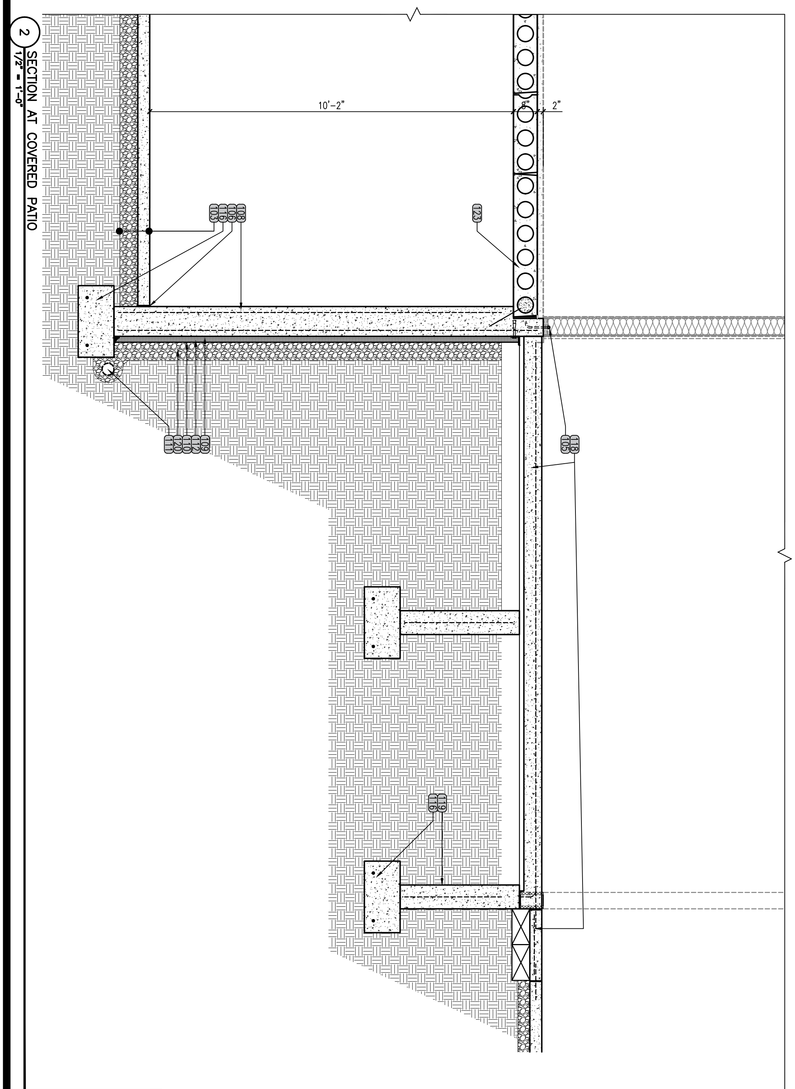
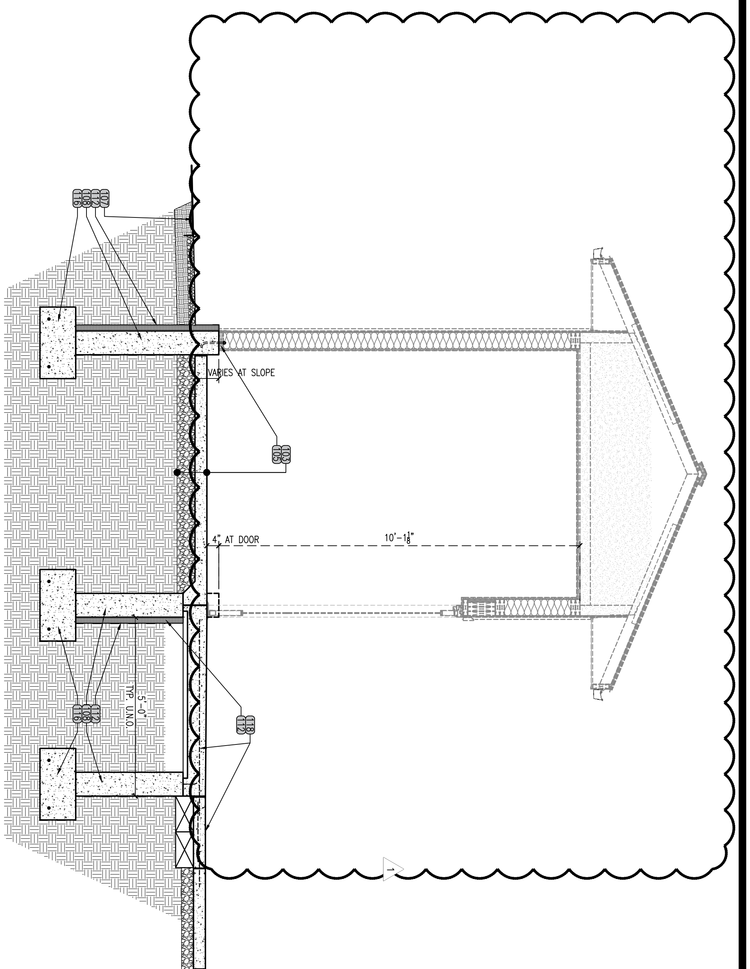
Sheet
LOWER LEVEL - SECTIONS

A-100.6



2 SECTION AT COVERED PATIO
1/2" = 1'-0"



1 SECTION AT LINK
1/2" = 1'-0"

LOWER LEVEL PHASE

Project	2401
Date	06/27/2024
Scale	AS INDICATED

Sheet Name: LOWER LEVEL - SECTIONS

A-100.7

Project Name and Address
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LOWER LEVEL PHASE
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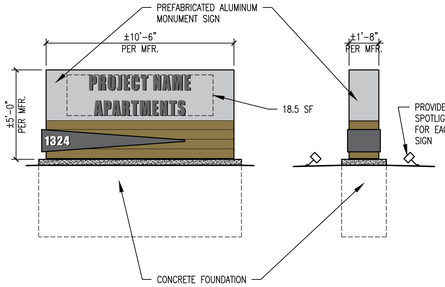
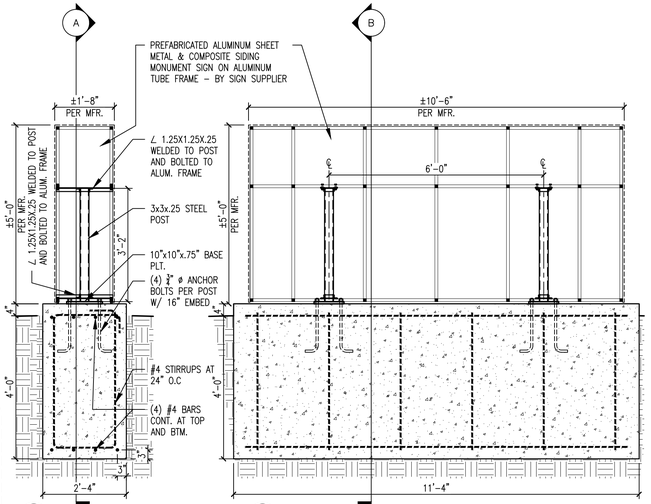
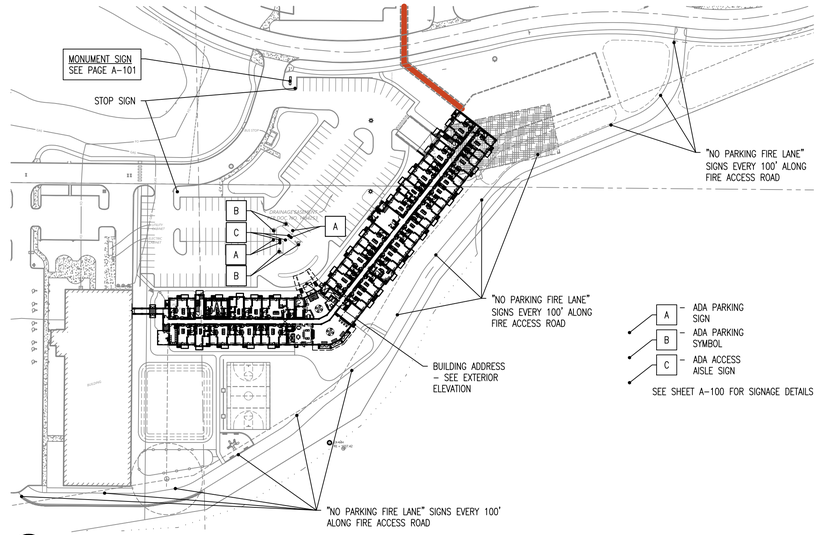


4 MONUMENT SIGN ELEVATIONS
1/4" = 1'-0"



B SIGN – COLUMN SECTION
A SIGN – LONG SECTION
3 MONUMENT SIGN DETAILS
1/2" = 1'-0"



2 SITE SIGNAGE PLAN
1" = 100'

COMBINED TOTAL UNIT MIX			
STUDIO 1	613 SF	3	
STUDIO 2	613 SF	9	(TOTAL STUDIO'S = 12)(11.4%)
1 BD 1 BA	731 SF	27	
1 BD 1 BA – 'A' (TYPE 'A')	731 SF	1	(TOTAL 1BD'S = 28)(26.6%)
1 BD 1 BA + DEN	1,008 SF	4	(TOTAL 1BD+D'S = 4)(3.7%)
2 BD 2 BA	1,049 SF	47	
2 BD 2 BA – 'A' (TYPE 'A')	1,049 SF	1	(TOTAL 2BD'S = 48)(45.6%)
3 BD 2 BA	1,337 SF	3	(TOTAL 3BD'S = 3)(2.7%)
COMBINED TOTAL		95	

******SOUND ISOLATION NOTES******

ELECTRICAL NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- SEALED ELECTRICAL BOXES REQUIRED.
- SEAL PENETRATIONS WHERE WIRES ENTER JUNCTION BOXES.
- **LOW VOLTAGE NOTE** – SEALED JUNCTION BOXES REQUIRED FOR LOW VOLTAGE WIRING.
- NO JUNCTION BOX SHALL BE ALLOWED IN THE SAME STUD CAVITY AS A JUNCTION BOX FROM AN ADJOINING UNIT. IF BACK TO BACK BOXES CAN NOT BE AVOIDED, THEY SHALL BE SEPARATED BY SOLID BLOCKING.
- ALL DRILLED WIRE HOLES (INCLUDING LOW VOLTAGE) SHALL BE SEALED AFTER ALL WIRES HAVE BEEN PULLED.

GYPSUM BOARD INSTALLATION NOTES RELATED TO SOUND ISOLATION

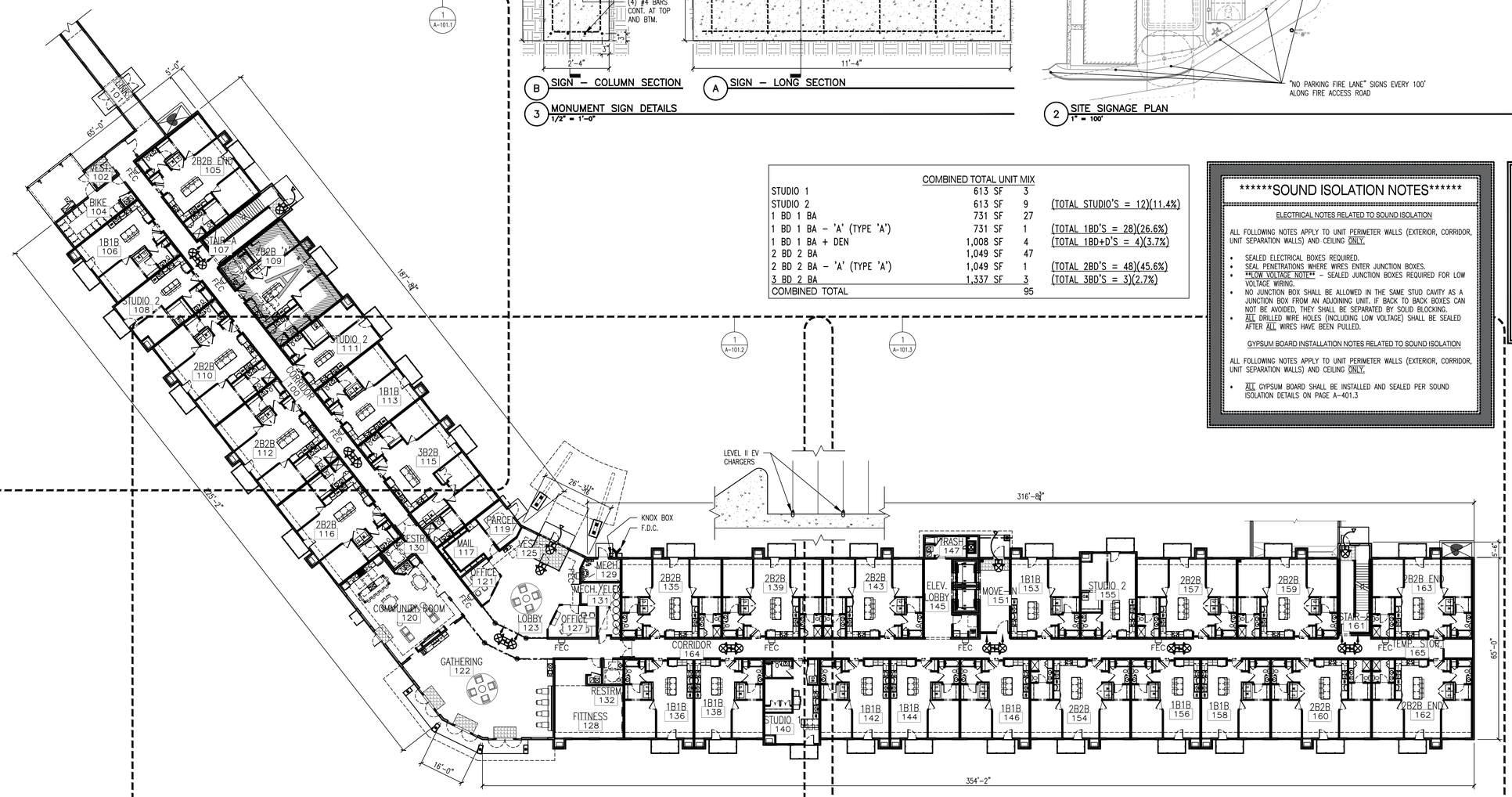
ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- ALL GYPSUM BOARD SHALL BE INSTALLED AND SEALED PER SOUND ISOLATION DETAILS ON PAGE A-401.3

OVERALL FLOOR PLAN NOTES:

- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FIRE EXTINGUISHER CABINETS LOCATED NOT MORE THEN EVERY 75' ALONG HALLWAYS.
- EXIT & EMERGENCY LIGHTS LOCATED NOT MORE THAN EVERY 100' ALONG HALLWAYS.

FEC – FIRE EXTINGUISHER CABINET (DETAIL 12/A-401)
EXIT LIGHT
EXIT LIGHT DIRECTIONAL
EMERGENCY LIGHT
EMERGENCY LIGHT W/REMOTE HEAD



1 OVERALL 1ST FLOOR PLAN
1" = 20'

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Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision / Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet OVERALL 1ST FLOOR PLAN
A-101

FIRST FLOOR DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR MATL	DOOR GLAZING	FRAME MATL	RATING (minutes)	HRDWR	NOTES
100A	6'-0"	8'-0"	S.C. WOOD	--	PREFIN. MTL.	60	H11	--
101A	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
101B	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
101C	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H13	--
102A	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H13	--
102B	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
103A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
104A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H5	--
104B	3'-6"	6'-8"	INSUL. H.M.	--	INSUL. H.M.	--	H14	--
105A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
105B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
106A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
106B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
107A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	90	H2	--
107B	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H1	--
108A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
108B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
109A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
109B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
110A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
110B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
111A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
111B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
112A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
112B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
113A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
113B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
115A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
115B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
116A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
116B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
117A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	--	H5	--
118A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
119A	3'-6"	6'-8"	INSUL. H.M.	--	INSUL. H.M.	--	H14	--
120A	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H13	--
120B	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
120C	3'-6"	8'-0"	S.C. WOOD	--	CASED OPENING	--	H15	--
120D	3'-6"	8'-0"	S.C. WOOD	--	CASED OPENING	--	H15	--
121A	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H13	*
122A	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
122B	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
122C	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
124A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
125A	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H13	--
125B	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H12	--
127A	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H13	*
128A	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H7	--
129B	3'-6"	6'-8"	INSUL. H.M.	--	INSUL. H.M.	--	H6	--
130A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	--	H3	--
131A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
131B	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
132A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	--	H3	--
133A	2'-10"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
135A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
135B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
136A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
136B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
138A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
138B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
139A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
139B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
140A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
140B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
142A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
142B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
143A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
143B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
144A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
144B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
146A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
146B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
147A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	PASSAGE
148A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
149A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
151A	4'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H2	--
151B	4'-0"	6'-8"	INSUL. H.M.	--	INSUL. H.M.	--	H14	--
153A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
153B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
154A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
154B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
155A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
155B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
156A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
156B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
157A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
157B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
158A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
158B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
159A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
159B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
160A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
160B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
161A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	90	H2	--
161B	3'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H1	--
162A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
162B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
163A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
163B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
164A	6'-0"	8'-0"	S.C. WOOD	--	PREFIN. MTL.	60	H11	--
165A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H5	--

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE SHEET A-401.2 FOR BUILDING WRAP DETAILS.

SCHLAGE NORTHBROOK OR EQUAL. USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS, S SERIES ELSEWHERE. LEVER HANDLES, SATIN MOGEL. HARDWARE TO MATCH DOOR, AND/OR WALL RATING, WHICHEVER IS MORE STRINGENT. NOTE: ALL LITES TO BE TEMPERED.

H1: (STAIR EXT) HINGES, RIM PANIC, CLOSER W/ HOLD OPEN, RIM CYLINDER, LEVER & TRIM, WEATHERSTRIPPING, ACCESSIBLE THRESHOLD, SWEEP, DRIP CAP

H2: (STAIR INT) HEAVY DUTY HINGES RIM PANIC, CLOSER, MAGNETIC HOLD OPEN CONNECTED TO FIRE ALARM PANEL, SMOKE GASKET, SEEP, PASSAGE

H3: (RESTROOM) SPRING-LOADED, HEAVY-DUTY HINGES, PRIVACY/PUSH BUTTON LOCK, LEVER & TRIM, SMOKE GASKET

H5: (STORAGE/MECH./OFFICE/TRASH) HEAVY DUTY HINGES, ENTRANCE/OFFICE, PUSH BUTTON LOCK, LEVER & TRIM, CLOSER, SMOKE GASKET, SWEEP, ACCESSIBLE THRESHOLD, WALL STOP

H6: (MECH EXT) HINGES, KEYED LOCK, CLOSER W/HOLD OPEN- PUSH SIDE MOUNT, ACCESSIBLE THRESHOLD, SWEEP, DRIP CAP, WEATHERSTRIPPING

H7: (UNIT ENTRY) HEAVY DUTY SPRING HINGES, ENTRANCE DOUBLE LOCKING, INSIDE LEVER RETRACTS BOLT/LATCH, LEVER & TRIM, CLOSER, SMOKE GASKET, SWEEP, ACCESSIBLE THRESHOLD, EYE VIEWER, SPRING STOP, FOB, POWER SUPPLIES, CONTROLLERS, SOFTWARE, HANDHELD SYSTEM

H8: (UNIT DECK/PATIO) HINGES, WEATHERSTRIPPING, DRIP, SWEEP, ACCESSIBLE THRESHOLD, PRIVACY

H10: (SKY LOUNGE) HINGES, OFFICE LOCKSET, LEVER & TRIMS, CLOSER W/ HOLD OPEN, PUSH/PULL, WATERSTRIPPING, SWEEP, GRIP, ACCESSIBLE THRESHOLD

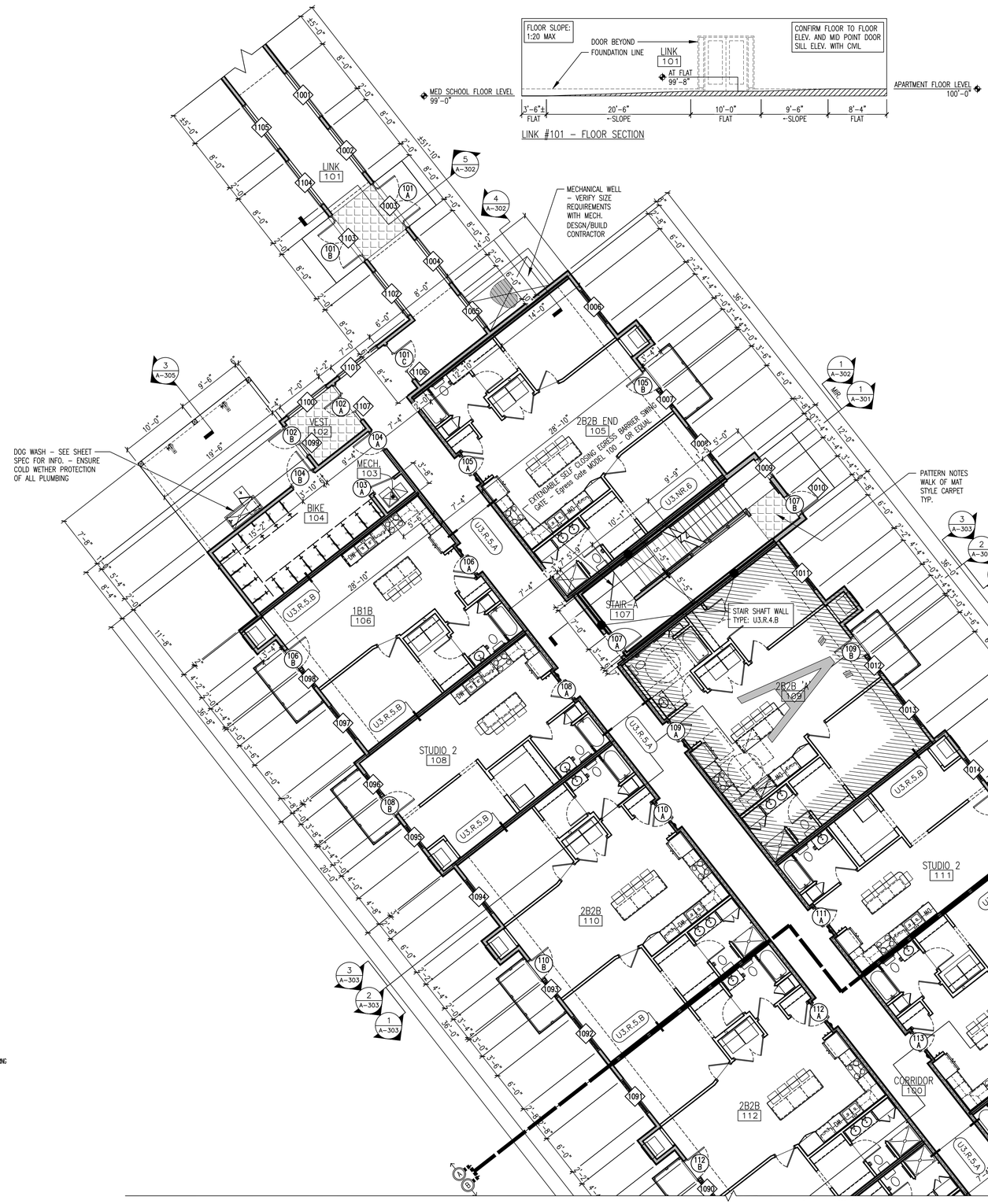
H11: HINGES, PANIC EXIT DEVICES, CLOSER- PULL SIDE MOUNT, WITH MAGNETIC HOLD OPENS CONNECTED TO FIRE ALARM PANEL, ACCESSIBLE THRESHOLD, SEALS/GASKETS

H12: RIM CYLINDER, 180 DEGREE HINGES (WHERE SHOWN), DRIP, SWEEP, GASKET, PUSH/PULL, ELECTRIC STRIKE, FOB, POWER SUPPLY, CLOSER/HOLD OPEN, ACCESSIBLE THRESHOLD

H13: HINGES, PUSH/PULL, CLOSER WITH HOLD OPEN, SWEEP, GASKET, ACCESSIBLE THRESHOLD, ELECTRIC STRIKE, FOB, POWER SUPPLY, RIM CYLINDER (REMOVE GASKET, THRESHOLD, SWEEP, CLOSER AT *)

H14: (EXT BIKE STORAGE/PARCEL) HINGES, EXT DEVICE, STOREROOM CYLINDER, CLOSER W/ HOLD OPEN- PUSH SIDE MOUNT, WEATHERSTRIPPING, SWEEPS, ACCESSIBLE THRESHOLD, DRIP

H15: (COMMUNITY ROOM) BARN DOOR AND HARDWARE, SATIN MOGEL, STANDARD STOP, FLOOR MOUNT ADJUSTABLE CHANNEL, HEADER, FRONT AND BACK HANDLE



1 1ST FLOOR - AREA 'A'
1/8" = 1'-0"

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT - SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE
- SEE PAGE A-401.1 FOR WALL TYPES

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Principal
Firm Name and Address

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Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
-
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet 1ST FLOOR - AREA 'A'
A-101.1

- OF -

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
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- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

1 1ST FLOOR – AREA 'B'
1/8" = 1'-0"

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Principal
Firm Name and Address

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Graeme H.D. Mahler
Reg. No. 22314
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1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
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ST CLOUD, MN 56303
..
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APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
1ST FLOOR - AREA 'B'

A-101.2

FIRST FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
1001	8'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1002	8'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1003	8'-0"	7'-2"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1004	8'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1005	6'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1006	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1007	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1008	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1009	3'-4"	6'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1010	3'-4"	9'-4"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1011	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1012	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1013	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1014	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1015	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1016	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1017	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1018	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1019	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1020	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1021	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1022	4'-8"	7'-4"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1023	11'-0"	8'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1024	4'-8"	7'-4"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1025	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1026	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1027	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1028	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1029	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1030	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1031	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1032	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1033	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1034	4'-8"	6'-0"	FIXED	VINYL	SEE EXT. ELEV.	--
1035	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1036	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1037	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1038	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1039	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1040	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1041	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1042	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1043	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1044	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1045	3'-4"	9'-4"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--

FIRST FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
1046	3'-4"	6'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1047	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1048	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1049	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1050	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1051	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1052	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1053	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1054	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1055	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1056	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1057	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1058	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1059	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1060	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1061	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1062	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1063	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1064	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1065	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1066	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1067	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1068	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1069	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1070	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1071	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1072	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1073	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1074	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1075	6'-0"	4'-10"	FIXED	VINYL	SEE EXT. ELEV.	--
1076	6'-0"	4'-10"	FIXED	VINYL	SEE EXT. ELEV.	--
1077	6'-0"	17'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1078	12'-0"	18'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1079	12'-0"	18'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1080	12'-0"	18'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1081	6'-0"	17'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1082	6'-0"	7'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1083	6'-0"	8'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1084	6'-0"	7'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1085	6'-0"	7'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1086	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1087	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1088	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1089	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1090	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--

FIRST FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
1091	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1092	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1093	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1094	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1095	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1096	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1097	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
1098	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
1099	5'-4"	7'-2"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1100	7'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1101	7'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1102	8'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1103	8'-0"	7'-2"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1104	8'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1105	8'-0"	5'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
1106	6'-4"	7'-2"	FIXED	ALUM. STOREFRONT	1/A-203	--
1107	6'-4"	7'-2"	FIXED	ALUM. STOREFRONT	1/A-203	--
1108	6'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1109	8'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1110	6'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1111	2'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1112	2'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1113	6'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1114	8'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1115	12'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1116	8'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1117	6'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1118	2'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1119	2'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--
1120	5'-0"	8'-0"	FIXED	ALUM. STOREFRONT	1/A-203	--

WINDOW NOTES
- ALL COMMON AREA WINDOWS TO BE INOPERABLE. (INCLUDING THOSE IN MECH/STORAGE ROOMS.)
- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE PAGE A-401.2 FOR BUILDING WRAP DETAILS.

FLOOR PLAN NOTES:
- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

FIRST FLOOR ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HEIGHT	NOTES
100	CORRIDOR	CARPET TILE	WOOD	GYP/PT	GYP/PT	9'-7"	--
101	LINK	CARPET TILE	WOOD	GYP/PT	GYP/PT	10'-0"	--
102	VEST.	CARPET TILE	WOOD	GYP/PT	GYP/PT	10'-0"	--
103	MECH.	SEALED CONC.	WOOD	GYP/PT	GYP/PT	11'-2"	--
104	BIKE	SEALED CONC.	WOOD	GYP/PT	GYP/PT	10'-0"	--
105	2B2B END	SEE UNIT PLANS A-105.'S				10'-0"	--
106	1B1B					10'-0"	--
107	STAIR-A	RUBBER	RUBBER	GYP/PT	GYP/PT	11'-0"	--
108	STUDIO 2	SEE UNIT PLANS A-105.'S				10'-0"	--
109	2B2B "A"					10'-0"	--
110	2B2B					10'-0"	--
111	STUDIO 2					10'-0"	--
112	2B2B					10'-0"	--
113	1B1B					10'-0"	--
115	3B2B					10'-0"	--
116	2B2B					10'-0"	--
117	MAIL	VINYL PLANK	WOOD	GYP/PT	A.C.P.	8'-6"	--
118	MECH.	SEALED CONC.	CAULK	GYP/PT	GYP/PT	10'-0"	--
119	PARCEL	VINYL PLANK	WOOD	GYP/PT	GYP/PT	10'-0"	--
120	COMMUNITY ROOM	VINYL PLANK	WOOD	GYP/PT	GYP/PT	10'-0"	--
121	OFFICE	CARPET	WOOD	GYP/PT	GYP/PT	10'-0"	--
122	GATHERING	VINYL PLANK	WOOD	GYP/PT	GYP/PT	10'-0"	--
123	LOBBY	VINYL PLANK	WOOD	GYP/PT	GYP/PT	10'-0"	--
124	MECH.	SEALED CONC.	CAULK	GYP/PT	GYP/PT	10'-0"	--
125	VEST.	CARPET TILE	WOOD	GYP/PT	GYP/PT	10'-0"	--
126	MECH	SEALED CONC.	CAULK	GYP./PT.	GYP./PT.	9'-0"	--
127	OFFICE	CARPET	WOOD	GYP/PT	GYP/PT	10'-0"	--
128	FITTNESS	RUBBER TILE	VINYL	GYP/PT	GYP/PT	10'-0"	--
129	MECH.	SEALED CONC	CAULK	GYP/PT	GYP/PT	10'-0"	--
130	RESTRM	CT	CT	GYP/PT/CT	GYP/PT	10'-0"	--
131	MECH./ELEC.	CARPET TILE	WOOD	GYP/PT	GYP/PT	10'-0"	--
132	RESTRM	CT	CT	GYP/PT/CT	GYP/PT	10'-0"	--
133	STORAGE	SEE UNIT PLANS A-105.'S				10'-0"	--
135	2B2B					10'-0"	--
136	1B1B					10'-0"	--
138	1B1B					10'-0"	--
139	2B2B					10'-0"	--
140	STUDIO 1					10'-0"	--
142	1B1B					10'-0"	--
143	2B2B					10'-0"	--

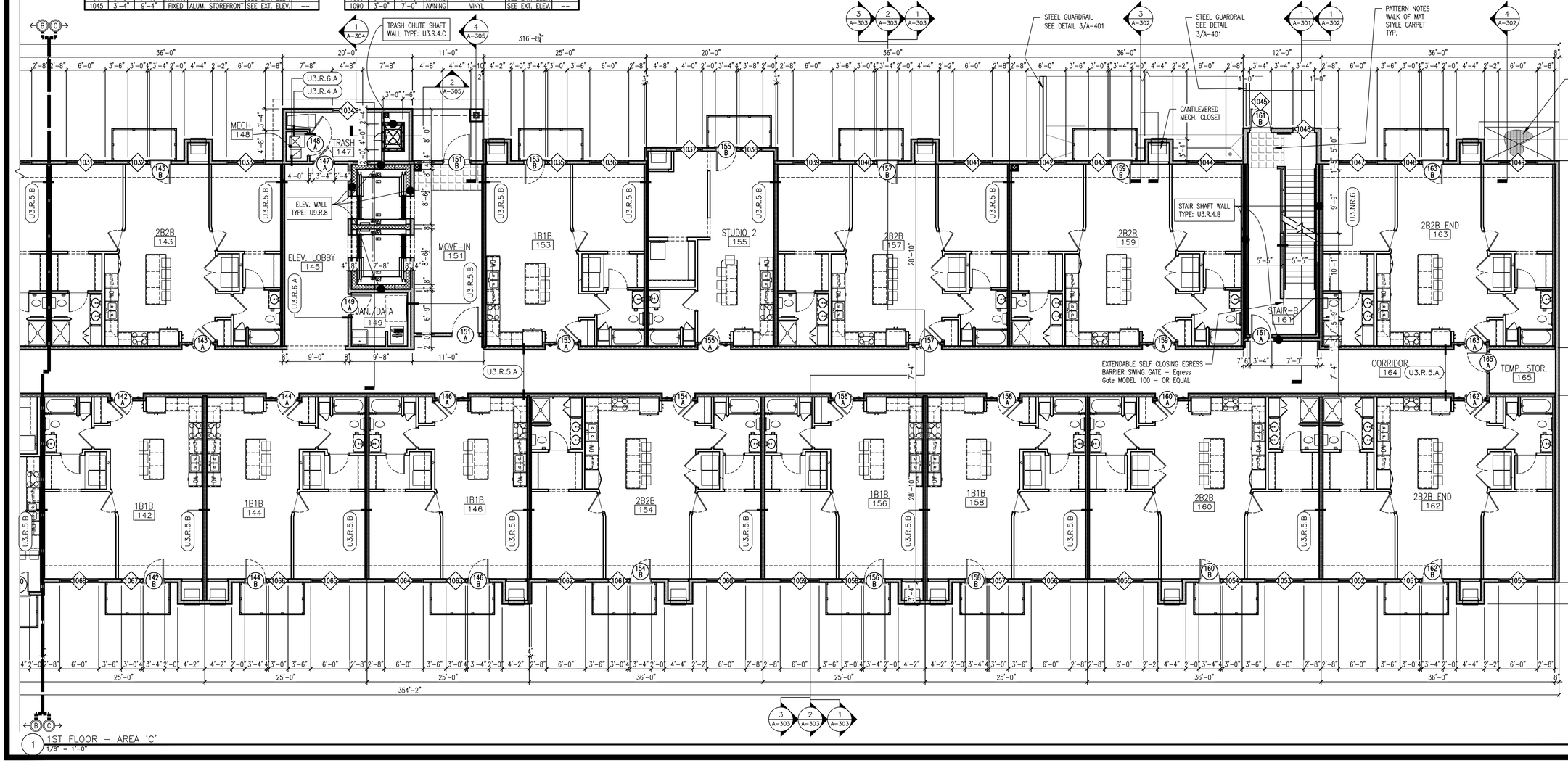
FIRST FLOOR ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HEIGHT	NOTES
144	1B1B	---	---	---	---	10'-0"	--
145	ELEV. LOBBY	SEE UNIT PLANS A-105.'S				10'-0"	--
146	1B1B	---	---	---	---	10'-0"	--
147	TRASH	VCT	VINYL	GYP/FRP	GYP/FRP	10'-0"	--
148	MECH.	SEALED CONC.	CAULK	GYP/PT	GYP/PT	10'-0"	--
149	JAN./DATA	SEALED CONC	CAULK	GYP/PT	GYP/PT	11'-2"	--
151	MOVE-IN	SEE UNIT PLANS A-105.'S				10'-0"	--
153	1B1B					10'-0"	--
154	2B2B					10'-0"	--
155	STUDIO 2					10'-0"	--
156	1B1B					10'-0"	--
157	2B2B					10'-0"	--
158	1B1B					10'-0"	--
159	2B2B					10'-0"	--
160	2B2B	---	---	---	---	10'-0"	--
161	STAIR-B	SEE UNIT PLANS A-105.'S				11'-0"	--
162	2B2B END					10'-0"	--
163	2B2B END	---	---	---	---	10'-0"	--
164	CORRIDOR	CARPET TILE	WOOD	GYP/PT	GYP/PT	9'-7"	--
165	TEMP. STOR.	SEALED CONC	CAULK	GYP/PT	GYP/PT	11'-2"	--

ROOM FINISH SCHEDULE NOTES
- SEE SPEC SHEETS FOR FINISH INFORMATION
- LIGHT ORANGE PEEL FINISH ON ALL WALLS THROUGHOUT.
- LIGHT ORANGE PEEL FINISH ON CEILINGS THROUGHOUT.
- CONFIRM ALL COLORS & FINISHES WITH OWNER.
- FOR ADA REQUIREMENTS (SEE DETAILS ON A-402).
- CONCRETE SEALANT (TK-1900 WB URETHANE)
- 4'-0" C.T. WAINSCOT.
- F.R.P. AT WALLS ADJACENT TO MOP SINK. 3'-6" A.F.F. SEE PLAN FOR MOP SINK LOCATIONS.
- FOR ADA COMPLIANT ROOM SIGNAGE SEE: 10/A-401
- FOR ACOUSTICAL CEILING DETAIL SEE: 11/A-401

** CONTRACTOR TO PROVIDE 1'-0" STUB OUT FOR RPZ VALVE BY PLUMBER FOR LAWN SPRINKLER.

1. LEVEL 4 FINISH REQUIRED



1 1ST FLOOR – AREA 'C'
1/8" = 1'-0"

APARTMENT PHASE

MAHLER & ASSOCIATES
ARCHITECTURE
5150 Manson Drive
Suite 100
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

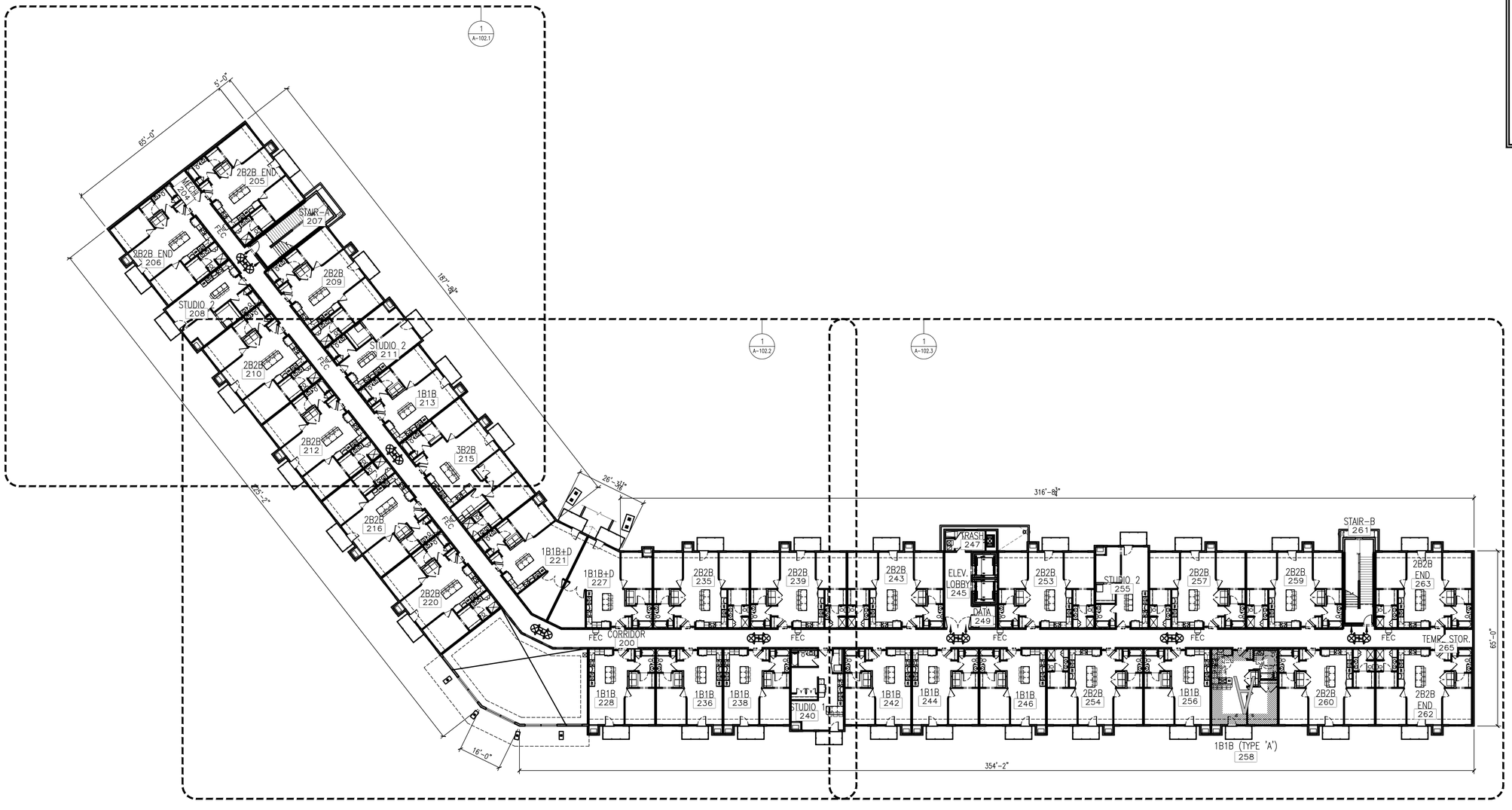
Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet 1ST FLOOR - AREA 'C'
A-101.3



1 OVERALL 2ND FLOOR PLAN
1" = 20'

******SOUND ISOLATION NOTES******

ELECTRICAL NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- SEALED ELECTRICAL BOXES REQUIRED.
- SEAL PENETRATIONS WHERE WIRES ENTER JUNCTION BOXES.
- **LOW VOLTAGE NOTE** – SEALED JUNCTION BOXES REQUIRED FOR LOW VOLTAGE WIRING.
- NO JUNCTION BOX SHALL BE ALLOWED IN THE SAME STUD CAVITY AS A JUNCTION BOX FROM AN ADJOINING UNIT. IF BACK TO BACK BOXES CAN NOT BE AVOIDED, THEY SHALL BE SEPARATED BY SOLID BLOCKING.
- ALL DRILLED WIRE HOLES (INCLUDING LOW VOLTAGE) SHALL BE SEALED AFTER ALL WIRES HAVE BEEN PULLED.

GYPSUM BOARD INSTALLATION NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- ALL GYPSUM BOARD SHALL BE INSTALLED AND SEALED PER SOUND ISOLATION DETAILS ON PAGE A-~~401.3~~

OVERALL FLOOR PLAN NOTES:

- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FIRE EXTINGUISHER CABINETS LOCATED NOT MORE THEN EVERY 75' ALONG HALLWAYS.
- EXIT & EMERGENCY LIGHTS LOCATED NOT MORE THAN EVERY 100' ALONG HALLWAYS.

FEC	FIRE EXTINGUISHER CABINET (DETAIL 12/A-401)
	EXIT LIGHT
	EXIT LIGHT DIRECTIONAL
	EMERGENCY LIGHT
	EMERGENCY LIGHT W/REMOTE HEAD

MAHLER & ASSOCIATES ARCHITECTURE
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EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
- CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet OVERALL 2ND FLOOR PLAN
A-102

SECOND FLOOR DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR MATL	DOOR GLAZING	FRAME MATL	RATING (minutes)	HRDWR	NOTES
204A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H5	--
205A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
205B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
206A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
206B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
207A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	90	H2	--
208A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
208B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
209A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
209B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
210A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
210B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
211A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
211B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
212A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
212B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
213A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
213B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
215A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
215B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
216A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
216B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
220A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
220B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
221A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
221B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
227A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
227B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
228A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
228B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
235A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
235B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
236A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
236B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
238A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
238B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
239A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
239B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
240A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
240B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
242A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
242B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
243A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
243B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
244A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
244B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
245A	8'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H11	--
246A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
246B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
247A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	PASSAGE
248A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
249A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
253A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
253B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
254A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
254B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
255A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
255B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
256A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
256B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
257A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
257B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
258A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
258B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
259A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
259B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
260A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
260B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
261A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	90	H2	--
262A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
262B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
263A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
263B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
265A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H5	--

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE SHEET A-401.2 FOR BUILDING WRAP DETAILS.

SCHLAGE NORTHBROOK OR EQUAL, USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS, S SERIES ELSEWHERE, LEVER HANDLES, SATIN NICKEL. HARDWARE TO MATCH DOOR, AND/OR WALL RATING, WHICHEVER IS MORE STRINGENT. NOTE: ALL LITES TO BE TEMPERED.

H1: (STAIR EXT) HINGES, RIM PANIC, CLOSER W/ HOLD OPEN, RIM CYLINDER, LEVER & TRIM, WEATHERSTRIPPING, ACCESSIBLE THRESHOLD, SWEEP, DRIP CAP

H2: (STAIR INT) HEAVY DUTY HINGES RIM PANIC, CLOSER, MAGNETIC HOLD OPEN CONNECTED TO FIRE ALARM PANEL, SMOKE GASKET, SEEP, PASSAGE

H3: (RESTROOM) SPRING-LOADED, HEAVY-DUTY HINGES, PRIVACY/PUSH BUTTON LOCK, LEVER & TRM, SMOKE GASKET

H5: (STORAGE/MECH./OFFICE/TRASH) HEAVY DUTY HINGES, ENTRANCE/OFFICE, PUSH BUTTON LOCK, LEVER & TRM, CLOSER, SMOKE GASKET, SWEEP, ACCESSIBLE THRESHOLD, WALL STOP

H6: (MECH EXT) HINGES, KEYED LOCK, CLOSER W/HOLD OPEN- PUSH SIDE MOUNT, ACCESSIBLE THRESHOLD, SWEEP, DRIP CAP, WEATHERSTRIPPING

H7: (UNIT ENTRY) HEAVY DUTY SPRING HINGES, ENTRANCE DOUBLE LOCKING, INSIDE LEVER RETRACTS BOLT/LATCH, LEVER & TRM, CLOSER, SMOKE GASKET, SWEEP, ACCESSIBLE THRESHOLD, EYE VIEWER, SPRING STOP, FOR, POWER SUPPLIES, CONTROLLERS, SOFTWARE, HANDHELD SYSTEM

H8: (UNIT DECK/PATIO) HINGES, WEATHERSTRIPPING, DRP, SWEEP, ACCESSIBLE THRESHOLD, PRIVACY

H10: (SKY LOUNGE) HINGES, OFFICE LOCKSET, LEVER & TRMS, CLOSER W/ HOLD OPEN, PUSH/PULL, WATERSTRIPPING, SWEEP, GRP, ACCESSIBLE THRESHOLD

H11: HINGES, PANIC EXIT DEVICES, CLOSER- PULL SIDE MOUNT, WITH MAGNETIC HOLD OPENS CONNECTED TO FIRE ALARM PANEL, ACCESSIBLE THRESHOLD, SEALS/GASKETS

H12: RIM CYLINDER, 180 DEGREE HINGES (WHERE SHOWN), DRP, SWEEP, GASKET, PUSH/PULL, ELECTRIC STRIKE, FOB, POWER SUPPLY, CLOSER/HOLD OPEN, ACCESSIBLE THRESHOLD

H13: HINGES, PUSH/PULL, CLOSER WITH HOLD OPEN, SWEEP, GASKET, ACCESSIBLE THRESHOLD, ELECTRIC STRIKE, FOB, POWER SUPPLY, RIM CYLINDER (REMOVE GASKET, THRESHOLD, SWEEP, CLOSER AT *)

H14: (EXT BIKE STORAGE/PARCEL) HINGES, EXIT DEVICE, STORE ROOM CYLINDER, CLOSER W/ HOLD OPEN- PUSH SIDE MOUNT, WEATHERSTRIPPING, SWEEPS, ACCESSIBLE THRESHOLD, DRP

H15: (COMMUNITY ROOM) BARN DOOR AND HARDWARE, SATIN NICKEL, STANDARD STOP, FLOOR MOUNT ADJUSTABLE CHANNEL, HEADER, FRONT AND BACK HANDLE

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

1 2ND FLOOR – AREA 'A'
1/8" = 1'-0"

APARTMENT PHASE

MAHLER & ASSOCIATES
ARCHITECTURE
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Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
ATTN: CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
2ND FLOOR - AREA 'A'
A-102.1

BP 03: Addendum 02 Drawings

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

STUDIO 2 211
2B2B 210
1B1B 213
CORRIDOR 200
2B2B 212
3B2B 215
2B2B 216
1B1B+D 221
2B2B 220
1B1B+D 227
2B2B 235
2B2B 239
1B1B 228
1B1B 236
1B1B 238
STUDIO 1 240

U3.R.5.B
U3.R.5.A
CANTILEVERED MECH. CLOSET
GYP. SOFFIT ON LIGHT GAUGE METAL FRAMING

1 2ND FLOOR – AREA 'B'
1/8" = 1'-0"

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Principal

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	06/12/2024

BP 03: Addendum 02 Drawings

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APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
2ND FLOOR - AREA 'B'

A-102.2

SECOND FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
2001	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2002	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2003	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2004	2'-8"	17'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
2005	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2006	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2007	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2008	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2009	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2010	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2011	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2012	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2013	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2014	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2015	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2016	5'-4"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2017	4'-4"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2018	4'-4"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2019	5'-4"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2020	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2021	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2022	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2023	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2024	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2025	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2026	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2027	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2028	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2029	4'-8"	6'-0"	FIXED	VINYL	SEE EXT. ELEV.	--
2030	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2031	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2032	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2033	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2034	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2035	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2036	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2037	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2038	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2039	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2040	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2041	2'-8"	17'-0"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
2042	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2043	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2044	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2045	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--

SECOND FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
2046	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2047	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2048	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2049	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2050	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2051	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2052	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2053	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2054	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2055	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2056	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2057	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2058	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2059	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2060	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2061	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2062	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2063	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2064	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2065	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2066	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2067	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2068	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2069	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2070	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2071	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2072	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2073	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2074	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2075	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2076	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2077	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2078	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2079	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2080	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2081	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2082	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2083	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2084	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2085	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2086	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2087	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
2088	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
2089	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	60 MIN.
2090	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	60 MIN.

SECOND FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
2091	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	60 MIN.
2092	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	60 MIN.
2093	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	60 MIN.
2094	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	60 MIN.

WINDOW NOTES

- ALL COMMON AREA WINDOWS TO BE INOPERABLE. (INCLUDING THOSE IN MECH/STORAGE ROOMS.)
- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE PAGE A-401.2 FOR BUILDING WRAP DETAILS.

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.R.4

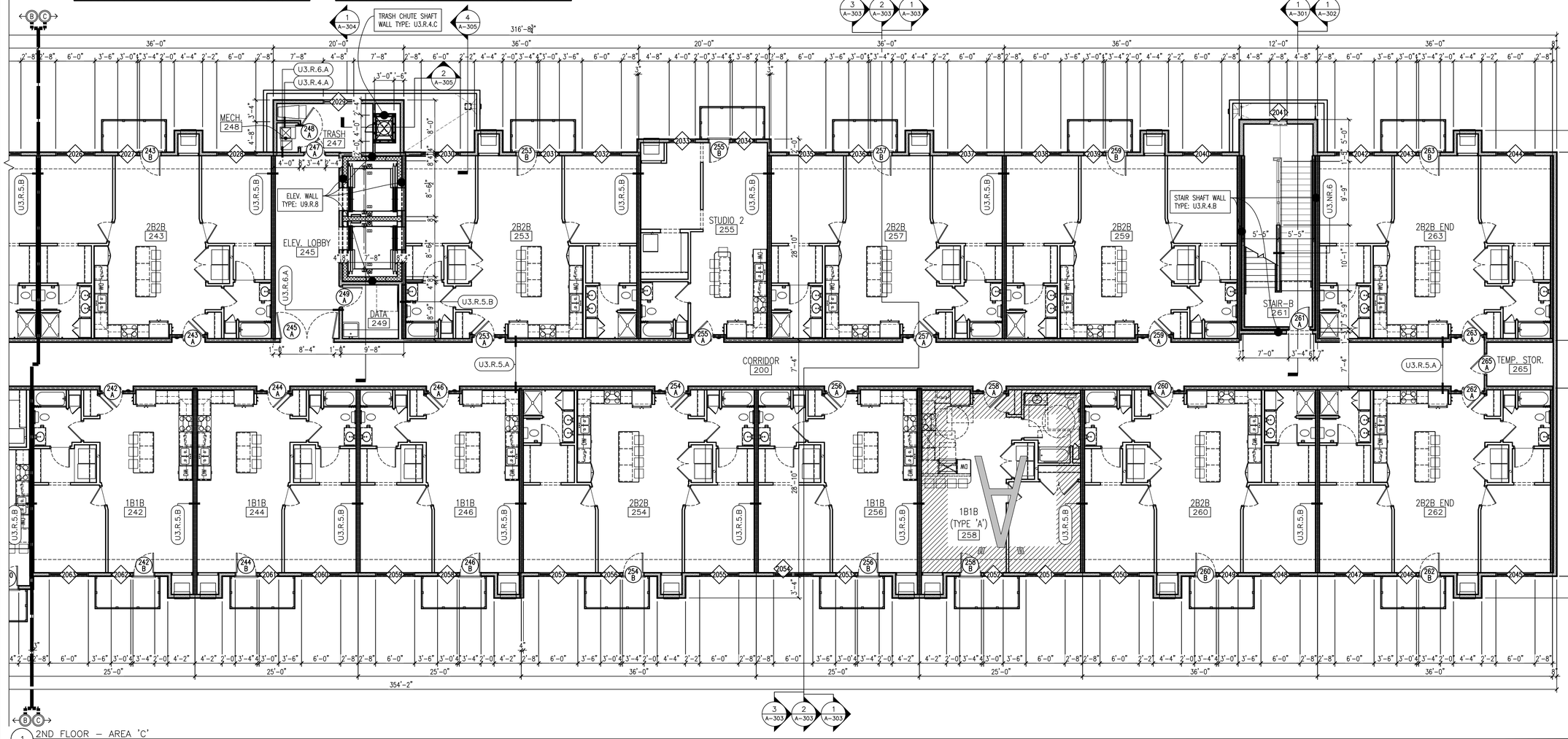
UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

SECOND FLOOR ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HEIGHT	NOTES
200	CORRIDOR	CARPET TILE	WOOD	GYP/PT	GYP/PT	8'-7"	--
204	MECH.	VCT	VINYL	GYP/PT	GYP/PT	10'-2"	--
205	2B2B END	SEE UNIT PLANS A-105.'S				9'-0"	--
206	2B2B END					9'-0"	--
207	STAIR-A	CARPET	WOOD	GYP/PT	GYP/PT	10'-0"	--
208	STUDIO 2	SEE UNIT PLANS A-105.'S				9'-0"	--
209	2B2B					9'-0"	--
210	2B2B					9'-0"	--
211	STUDIO 2					9'-0"	--
212	2B2B					9'-0"	--
213	1B1B					9'-0"	--
215	3B2B					9'-0"	--
216	2B2B					9'-0"	--
220	2B2B					9'-0"	--
221	1B1B+D					9'-0"	--
227	1B1B+D					9'-0"	--
228	1B1B					9'-0"	--
235	2B2B					9'-0"	--
236	1B1B					9'-0"	--
238	1B1B					9'-0"	--
239	2B2B					9'-0"	--
240	STUDIO 1					9'-0"	--
242	1B1B					9'-0"	--
243	2B2B					9'-0"	--
244	1B1B					9'-0"	--
245	ELEV. LOBBY	VINYL PLANK	WOOD	CYP/PT	GYP/PT	10'-0"	--
246	1B1B	SEE UNIT PLANS A-105.'S				9'-0"	--
247	TRASH	VCT	VINYL	GYP/FRP	GYP/FRP	10'-0"	--
248	MECH.	SEALED CONC.	CAULK	GYP/PT	GYP/PT	10'-0"	--
249	DATA	VCT	VINYL	GYP/PT	GYP/PT	10'-0"	--
253	2B2B	SEE UNIT PLANS A-105.'S				9'-0"	--
254	2B2B					9'-0"	--
255	STUDIO 2					9'-0"	--
256	1B1B					9'-0"	--
257	2B2B					9'-0"	--
258	1B1B (TYPE 'A')					9'-0"	--
259	2B2B					9'-0"	--
260	2B2B					9'-0"	--
261	STAIR-B	CARPET	WOOD	GYP/PT	GYP/PT	10'-0"	--
262	2B2B END	SEE UNIT PLANS A-105.'S				9'-0"	--
263	2B2B END					9'-0"	--
265	TEMP. STOR.	CARPET TILE	WOOD	GYP/PT	GYP/PT	8'-7"	--

ROOM FINISH SCHEDULE NOTES

- SEE SPEC SHEETS FOR FINISH INFORMATION
- LIGHT ORANGE PEEL FINISH ON ALL WALLS THROUGHOUT.
- LIGHT ORANGE PEEL FINISH ON CEILINGS THROUGHOUT.
- CONFIRM ALL COLORS & FINISHES WITH OWNER.
- FOR ADA REQUIREMENTS (SEE DETAILS ON A-502).
- CONCRETE SEALANT (TK-1900 WB URETHANE)
- 4'-0" C.T. WAINSCOT.
- F.R.P. AT WALLS ADJACENT TO MOP SINK. 3'-6" A.F.F. SEE PLAN FOR MOP SINK LOCATIONS.
- FOR ADA COMPLIANT ROOM SIGNAGE SEE: 10/A-401
- FOR ACOUSTICAL CEILING DETAIL SEE: 11/A-401
- ** CONTRACTOR TO PROVIDE 1"-0" STUB OUT FOR RPZ VALVE BY PLUMBER FOR LAWN SPRINKLER.
1. LEVEL 4 FINISH REQUIRED



1 2ND FLOOR – AREA 'C'
1/8" = 1'-0"

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Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

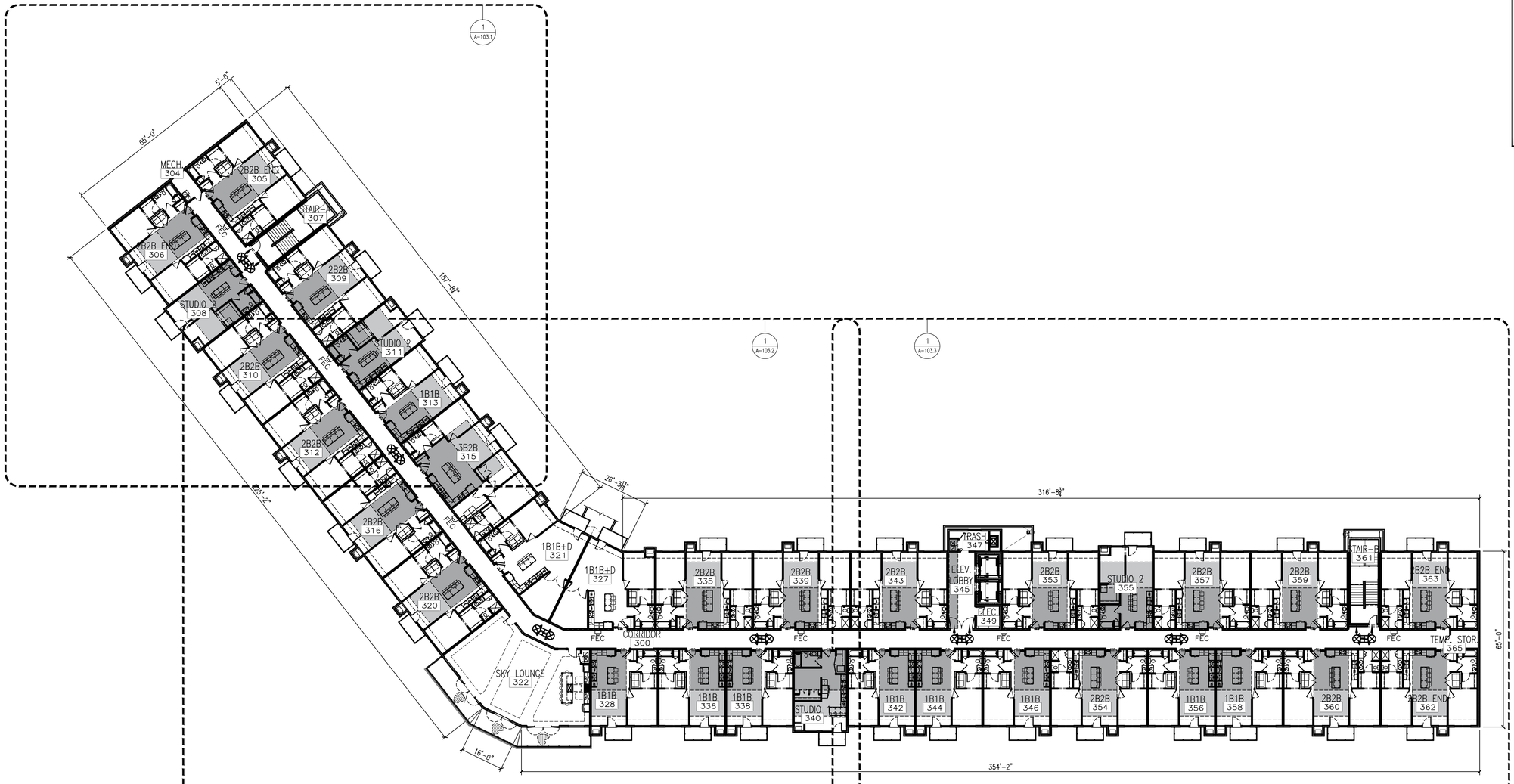
Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet 2ND FLOOR - AREA 'C'

A-102.3



1 OVERALL 3RD FLOOR PLAN
13/256" = 1'-0"

******SOUND ISOLATION NOTES******

ELECTRICAL NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- SEALED ELECTRICAL BOXES REQUIRED.
- SEAL PENETRATIONS WHERE WIRES ENTER JUNCTION BOXES.
- **LOW VOLTAGE NOTE** – SEALED JUNCTION BOXES REQUIRED FOR LOW VOLTAGE WIRING.
- NO JUNCTION BOX SHALL BE ALLOWED IN THE SAME STUD CAVITY AS A JUNCTION BOX FROM AN ADJOINING UNIT. IF BACK TO BACK BOXES CAN NOT BE AVOIDED, THEY SHALL BE SEPARATED BY SOLID BLOCKING.
- ALL DRILLED WIRE HOLES (INCLUDING LOW VOLTAGE) SHALL BE SEALED AFTER ALL WIRES HAVE BEEN PULLED.

GYPSUM BOARD INSTALLATION NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- ALL GYPSUM BOARD SHALL BE INSTALLED AND SEALED PER SOUND ISOLATION DETAILS ON PAGE A-401.3

OVERALL FLOOR PLAN NOTES:

- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FIRE EXTINGUISHER CABINETS LOCATED NOT MORE THEN EVERY 75' ALONG HALLWAYS.
- EXIT & EMERGENCY LIGHTS LOCATED NOT MORE THAN EVERY 100' ALONG HALLWAYS.

FEC	FIRE EXTINGUISHER CABINET (DETAIL 12/A-401)
	EXIT LIGHT
	EXIT LIGHT DIRECTIONAL
	EMERGENCY LIGHT
	EMERGENCY LIGHT W/REMOTE HEAD

MAHLER & ASSOCIATES ARCHITECTURE
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Graeme H.D. Mahler, AIA
Principal

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Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
OVERALL 3RD FLOOR PLAN

A-103

THIRD FLOOR DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR MATL	DOOR GLAZING	FRAME MATL	RATING (minutes)	HRDWR	NOTES
304A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H5	--
305A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
305B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
306A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
306B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
307A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	90	H2	--
308A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
308B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
309A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
309B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
310A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
310B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
311A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
311B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
312A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
312B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
313A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
313B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
315A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
315B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
316A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
316B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
320A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
320B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
321A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
321B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
322A	3'-0"	6'-8"	S.C. WOOD	FULL LITE	PREFIN. MTL.	20	H7	--
322B	3'-0"	6'-8"	S.C. WOOD	FULL LITE	PREFIN. MTL.	20	H7	--
322C	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H10	--
322D	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H10	--
322E	6'-0"	7'-0"	ALUM.	FULL LITE	ALUM. STOREFRONT	--	H10	--
324A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
327A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
327B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
328A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
328B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
335A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
335B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
336A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
336B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
338A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
338B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
339A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
339B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
340A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
340B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
342A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
342B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
343A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
343B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
344A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
344B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
345A	8'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H11	--
346A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
346B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
347A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	PASSAGE
348A	3'-4"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
349A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	60	H5	--
353A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
353B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
354A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
354B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
355A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
355B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
356A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
356B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
357A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
357B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
358A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
358B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
359A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
359B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
360A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
360B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
361A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	90	H2	--
362A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
362B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
363A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H7	--
363B	3'-0"	6'-8"	METAL CLAD WOOD	FULL LITE	METAL CLAD WOOD	--	H8	--
365A	3'-0"	6'-8"	S.C. WOOD	--	PREFIN. MTL.	20	H5	--

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE SHEET A-401.2 FOR BUILDING WRAP DETAILS.

SCHLAGE NORTHBROOK OR EQUAL. USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS, S SERIES ELSEWHERE. LEVER HANDLES. SATIN NICKEL. HARDWARE TO MATCH DOOR, AND/OR WALL RATING, WHICHEVER IS MORE STRINGENT. NOTE: ALL LITES TO BE TEMPERED.

H1: (STAIR EXIT) HINGES, RIM PANIC, CLOSER W/ HOLD OPEN, RIM CYLINDER, LEVER & TRM, WEATHERSTRIPPING, ACCESSIBLE THRESHOLD, SWEEP, DRIP CAP

H2: (STAIR INT) HEAVY DUTY HINGES RIM PANIC, CLOSER, MAGNETIC HOLD OPEN CONNECTED TO FIRE ALARM PANEL, SMOKE GASKET, SEEP, PASSAGE

H3: (RESTROOM) SPRING-LOADED, HEAVY-DUTY HINGES, PRIVACY/PUSH BUTTON LOCK, LEVER & TRM, SMOKE GASKET

H5: (STORAGE/MECH./OFFICE/WASH) HEAVY DUTY HINGES, ENTRANCE/OFFICE, PUSH BUTTON LOCK, LEVER & TRM, CLOSER, SMOKE GASKET, SWEEP, ACCESSIBLE THRESHOLD, WALL STOP

H6: (MECH EXT) HINGES, KEYED LOCK, CLOSER W/HOLD OPEN- PUSH SIDE MOUNT, ACCESSIBLE THRESHOLD, SWEEP, DRIP CAP, WEATHERSTRIPPING

H7: (UNIT ENTRY) HEAVY DUTY SPRING HINGES, ENTRANCE DOUBLE LOCKING, INSIDE LEVER RETRACTS BOLT/LATCH, LEVER & TRM, CLOSER, SMOKE GASKET, SWEEP, ACCESSIBLE THRESHOLD, EYE VIEWER, SPRING STOP, FOB, POWER SUPPLIES, CONTROLLERS, SOFTWARE, HANDHELD SYSTEM

H8: (UNIT DECK/PATIO) HINGES, WEATHERSTRIPPING, DRIP, SWEEP, ACCESSIBLE THRESHOLD, PRIVACY

H10: (SKY LOUNGE) HINGES, OFFICE LOCKSET, LEVER & TRMS, CLOSER W/ HOLD OPEN, PUSH/PULL, WATERSTRIPPING, SWEEP, GRIP, ACCESSIBLE THRESHOLD

H11: HINGES, PANIC EXIT DEVICES, CLOSER- PULL SIDE MOUNT, WITH MAGNETIC HOLD OPENS CONNECTED TO FIRE ALARM PANEL, ACCESSIBLE THRESHOLD, SEALS/GASKETS

H12: RIM CYLINDER, 180 DEGREE HINGES (WHERE SHOWN), DRIP, SWEEP, GASKET, PUSH/PULL, ELECTRIC STRIKE, FOB, POWER SUPPLY, CLOSER/HOLD OPEN, ACCESSIBLE THRESHOLD

H13: HINGES, PUSH/PULL, CLOSER WITH HOLD OPEN, SWEEP, GASKET, ACCESSIBLE THRESHOLD, ELECTRIC STRIKE, FOB, POWER SUPPLY, RIM CYLINDER (REMOVE GASKET, THRESHOLD, SWEEP, CLOSER AT *)

H14: (EXT BIKE STORAGE/PARCEL) HINGES, EXT DEVICE, STOREROOM CYLINDER, CLOSER W/ HOLD OPEN- PUSH SIDE MOUNT, WEATHERSTRIPPING, SWEEPS, ACCESSIBLE THRESHOLD, DRIP

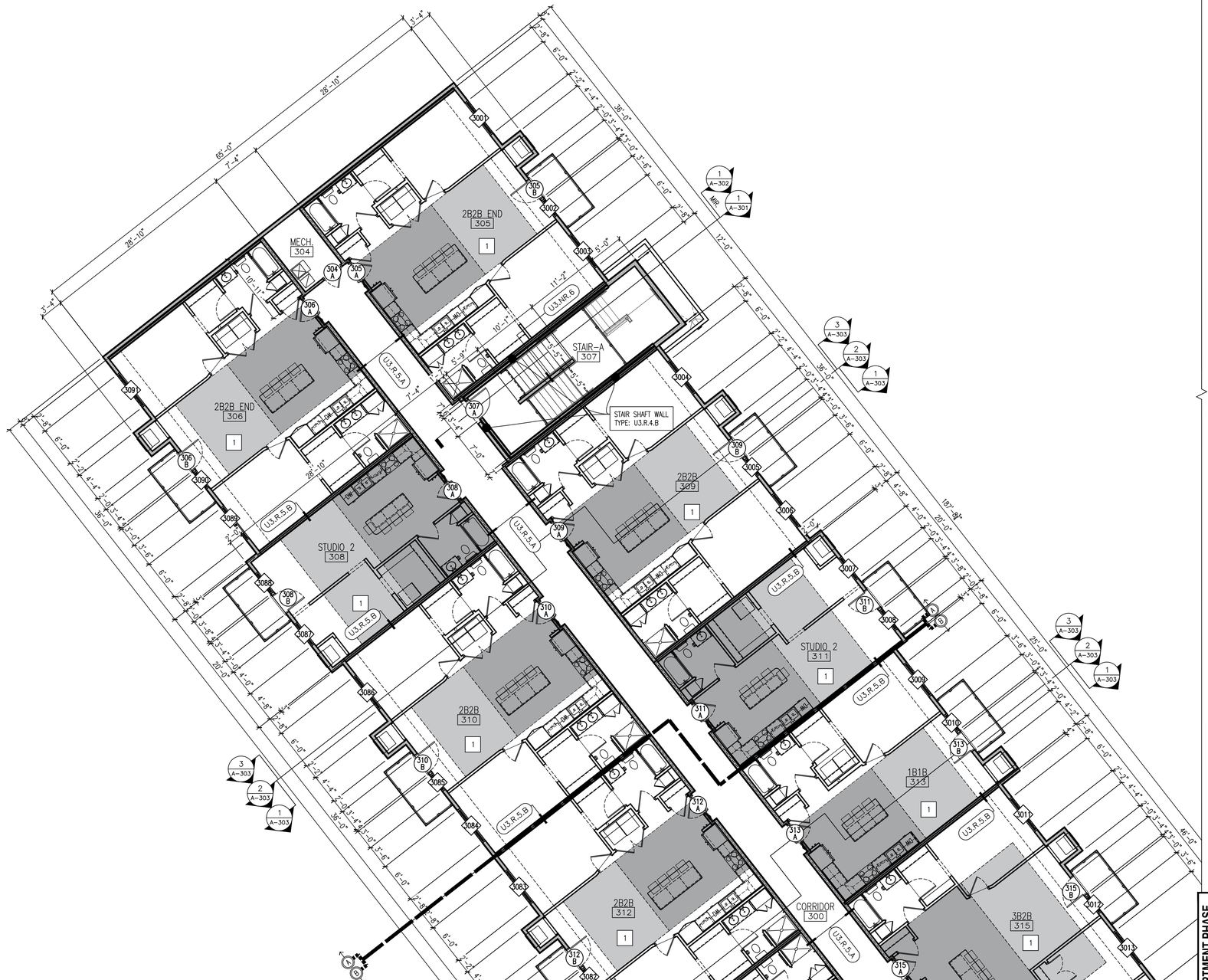
H15: (COMMUNITY ROOM) BARN DOOR AND HARDWARE, SATIN NICKEL, STANDARD STOP, FLOOR MOUNT ADJUSTABLE CHANNEL, HEADER, FRONT AND BACK HANDLE

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES



1 3RD FLOOR – AREA 'A'
1/8" = 1'-0"

N

APARTMENT PHASE

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Graeme H.D. Mahler, AIA
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Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
3RD FLOOR - AREA 'A'
A-103.1

BP 03: Addendum 02 Drawings

FLOOR PLAN NOTES:
- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

RAILING/SCREEN SYSTEM TO BE FASTENED TO DECK SYSTEM. PROVIDE SLIP CLOSER CHANNELS AT BUILDING (PROVIDE 1X4 W/ PREFIN. COILSTOCK WRAP AT ALL CONNECTIONS TO BUILDING/SOFFIT AREA

GUTTER AND DOWNSPOUTS TYP.

T-MOLDINGS AT DECKING DIRECTION CHANGES

INTERLOCKING ALUMINUM DECKING. (AT COMMUNITY DECK ONLY) 1/8" SLOPE PER FOOT MIN. (LockDry BY Nexon Building Products OR EQ.) SEE PLAN FOR LAY DIRECTION

1 3RD FLOOR – AREA 'B'
1/8" = 1'-0"

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Project 2401
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Scale AS INDICATED
Sheet 3RD FLOOR - AREA 'B'
A-103.2

SECOND FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
3001	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3002	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3003	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3004	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3005	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3006	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3007	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3008	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3009	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3010	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3011	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3012	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3013	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3014	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3015	5'-4"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3016	4'-4"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3017	4'-4"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3018	5'-4"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3019	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3020	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3021	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3022	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3023	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3024	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3025	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3026	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3027	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3028	4'-8"	6'-0"	FIXED	VINYL	SEE EXT. ELEV.	--
3029	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3030	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3031	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3032	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3033	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3034	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3035	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3036	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3037	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3038	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3039	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3040	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3041	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3042	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3043	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3044	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3045	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--

SECOND FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
3046	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3047	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3048	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3049	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3050	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3051	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3052	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3053	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3054	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3055	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3056	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3057	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3058	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3059	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3060	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3061	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3062	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3063	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3064	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3065	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3066	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3067	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3068	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3069	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3070	6'-0"	7'-4"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
3071	12'-0"	7'-10"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
3072	12'-0"	7'-10"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
3073	12'-0"	7'-10"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
3074	6'-0"	7'-4"	FIXED	ALUM. STOREFRONT	SEE EXT. ELEV.	--
3075	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3076	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3077	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3078	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3079	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3080	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3081	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3082	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3083	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3084	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3085	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3086	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3087	4'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3088	3'-8"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--
3089	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3090	3'-0"	7'-0"	AWNING	VINYL	SEE EXT. ELEV.	--

SECOND FLOOR WINDOW SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	TYPE	MATERIAL	ELEV	NOTES
3091	6'-0"	4'-10"	AWNING	VINYL	SEE EXT. ELEV.	--
3092	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	20 MIN.
3093	3'-0"	3'-0"	FIXED	PREFIN. MTL.	1/A-203	20 MIN.

WINDOW NOTES

- ALL COMMON AREA WINDOWS TO BE INOPERABLE. (INCLUDING THOSE IN MECH/STORAGE ROOMS.)
- SEE EXT. ELEV. FOR EXT. DOOR AND WINDOW ELEVATIONS.
- SEE 1/A-203 FOR FOR INT. DOOR AND WINDOW/LITE ELEVATIONS.
- SEE PAGE A-401.2 FOR BUILDING WRAP DETAILS.

FLOOR PLAN NOTES:

- SUB-SLAB RADON MITIGATION SYSTEM NOT REQUIRED
- PROVIDE HEATING & COOLING IN ALL COMMON AREAS
- FLOOR DRAIN AND CERAMIC TILE AT VENDING LOCATIONS
- FOR ADA COMPLIANT ROOM SIGNAGE PLACEMENT SEE 10/A-401
- ALL UNIT SEPARATING WALLS TO HAVE DENIM SOUND INSULATION IN LIEU OF FIBERGLASS

1 DENOTES CEILING VAULT – SEE SECTIONS FOR HEIGHT INFORMATION

ALL WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE – SEE PAGE A-401.1 FOR WALL TYPES

SECOND FLOOR ROOM FINISH SCHEDULE

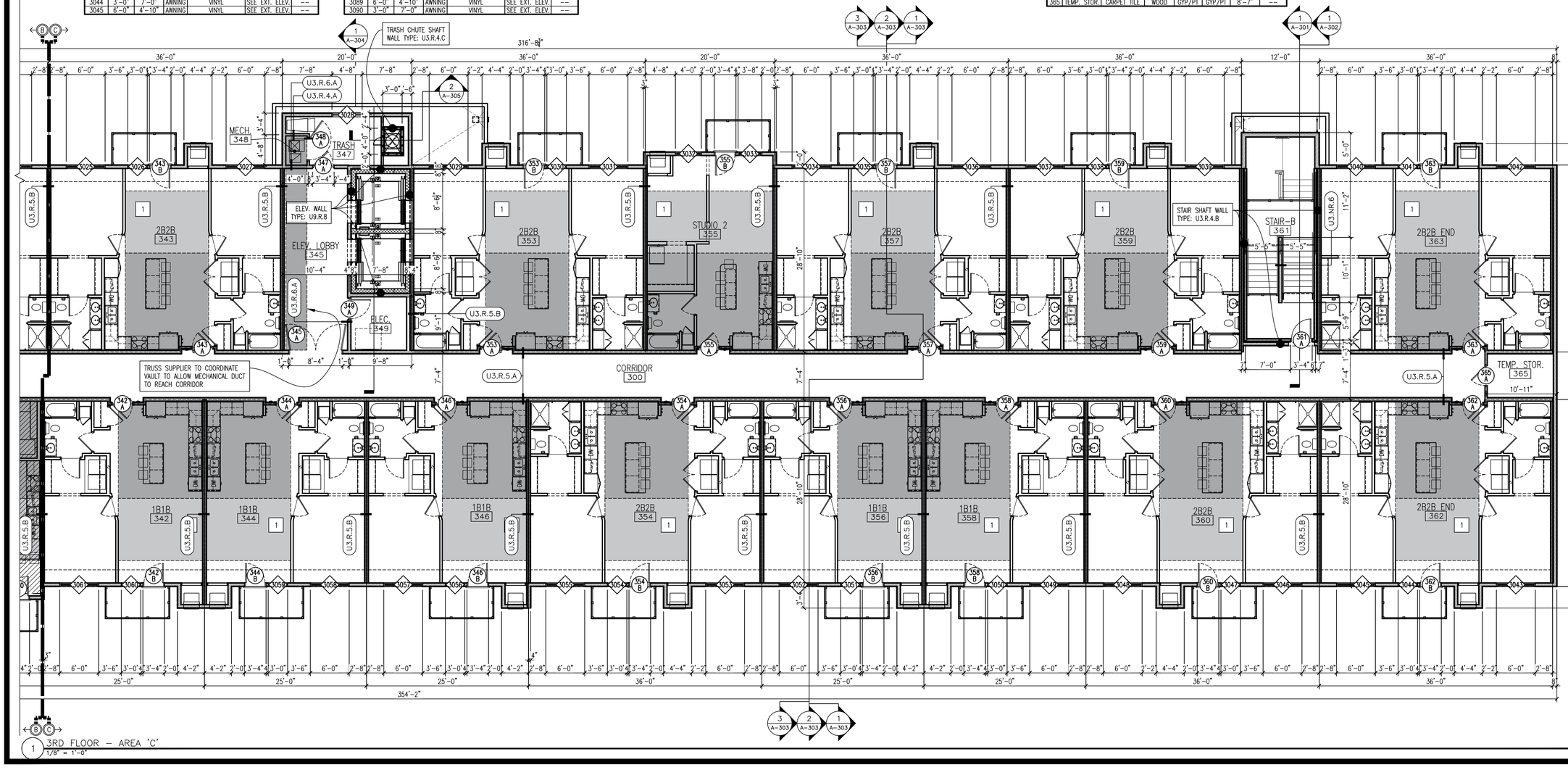
NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HEIGHT	NOTES
300	CORRIDOR	CARPET TILE	WOOD	GYP/PT	GYP/PT	8'-7"	--
304	MECH.	VCT	VINYL	GYP/PT	GYP/PT	10'-0"	--
305	2B2B END	SEE UNIT PLANS A-105.'S				9'-0"	--
306	2B2B END					9'-0"	--
307	STAIR-A	CARPET TILE	WOOD/CT	GYP/PT	GYP/PT	8'-0"	--
308	STUDIO 2	SEE UNIT PLANS A-105.'S				9'-0"	--
309	2B2B					9'-0"	--
310	2B2B					9'-0"	--
311	STUDIO 2					9'-0"	--
312	2B2B					9'-0"	--
313	1B1B					9'-0"	--
315	2B2B					9'-0"	--
316	2B2B					9'-0"	--
320	2B2B					9'-0"	--
321	1B1B+D					9'-0"	--
322	SKY LOUNGE	VINYL PLANK	WOOD	GYP/PT	GYP/PT	9'-0"	--
324	MECH.	VCT	VINYL	GYP/PT	GYP/PT	9'-0"	--
327	1B1B+D					9'-0"	--
328	1B1B					9'-0"	--
335	2B2B					9'-0"	--
336	1B1B					9'-0"	--
338	1B1B					9'-0"	--
339	2B2B					9'-0"	--
340	STUDIO 1					9'-0"	--
342	1B1B					9'-0"	--
343	2B2B					9'-0"	--
344	1B1B					9'-0"	--
345	ELEV. LOBBY	VINYL PLANK	WOOD	GYP/PT	GYP/PT	9'-0"	--
346	1B1B	SEE UNIT PLANS A-105.'S				9'-0"	--
347	TRASH	VCT	VINYL	GYP/FRP	GYP/FRP	9'-0"	--
348	MECH.	SEALED CONC.	CAULK	GYP/PT	GYP/PT	10'-0"	--
349	ELEC.	SEALED CONC.	CAULK	GYP/PT	GYP/PT	10'-0"	--
353	2B2B	SEE UNIT PLANS A-105.'S				9'-0"	--
354	2B2B					9'-0"	--
355	STUDIO 2					9'-0"	--
356	1B1B					9'-0"	--
357	2B2B					9'-0"	--
358	1B1B					9'-0"	--
359	2B2B					9'-0"	--
360	2B2B					9'-0"	--
361	STAIR-B	CARPET TILE	WOOD	GYP/PT	GYP/PT	8'-0"	--
362	2B2B END	SEE UNIT PLANS A-105.'S				9'-0"	--
363	2B2B END					9'-0"	--
365	TEMP. STOR.	CARPET TILE	WOOD	GYP/PT	GYP/PT	8'-7"	--

ROOM FINISH SCHEDULE NOTES

- SEE SPEC SHEETS FOR FINISH INFORMATION
- LIGHT ORANGE PEEL FINISH ON ALL WALLS THROUGHOUT.
- LIGHT ORANGE PEEL FINISH ON CEILINGS THROUGHOUT.
- CONFIRM ALL COLORS & FINISHES WITH OWNER.
- FOR ADA REQUIREMENTS (SEE DETAILS ON A-502).
- CONCRETE SEALANT (TK-1900 WB URETHANE)
- 4'-0" C.T. WAINSCOT.
- F.R.P. AT WALLS ADJACENT TO MOP SINK. 3'-6" A.F.F. SEE PLAN FOR MOP SINK LOCATIONS.
- FOR ADA COMPLIANT ROOM SIGNAGE SEE: 10/A-401
- FOR ACOUSTICAL CEILING DETAIL SEE: 11/A-401

** CONTRACTOR TO PROVIDE 1"-0" STUB OUT FOR RPZ VALVE BY PLUMBER FOR LAWN SPRINKLER.

1. LEVEL 4 FINISH REQUIRED



1 3RD FLOOR – AREA 'C'
1/8" = 1'-0"

APARTMENT PHASE

MAHLER & ASSOCIATES
ARCHITECTURE
Graeme H.D. Mahler, AIA
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EMAIL: gmahler@mahlerarchitecture.com
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

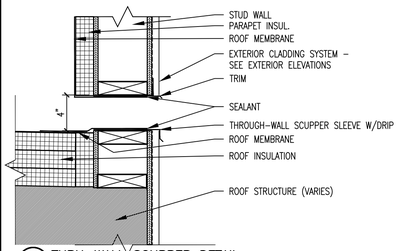
No.	Revision / Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

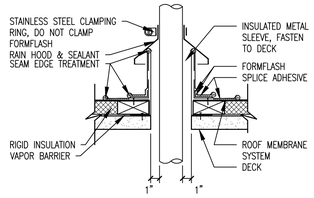
Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet 3RD FLOOR - AREA 'C'
A-103.3

- THROUGH WALL SCUPPER SLEEVES SHALL MEET ALL SMACNA STANDARDS.
- EPDM SHALL BE FORM FLASHED, & SEALANT SEAM EDGE TREATMENT

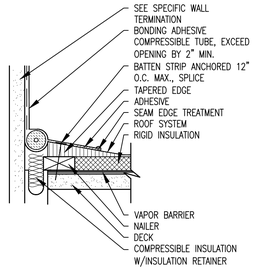


6 THRU–WALL SCUPPER DETAIL
1 1/2" = 1'–0"



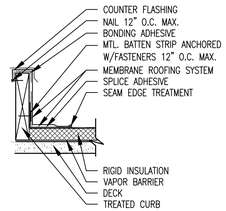
PER MANUFACTURE SPECIFICATIONS

5 TYPICAL HEAT VENT STACK DETAIL
1 1/2" = 1'–0"

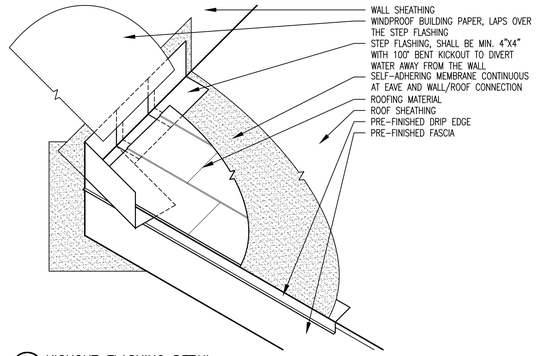


PER MANUFACTURE SPECIFICATIONS

4 WALL EXPANSION JOINT DETAIL
1 1/2" = 1'–0"

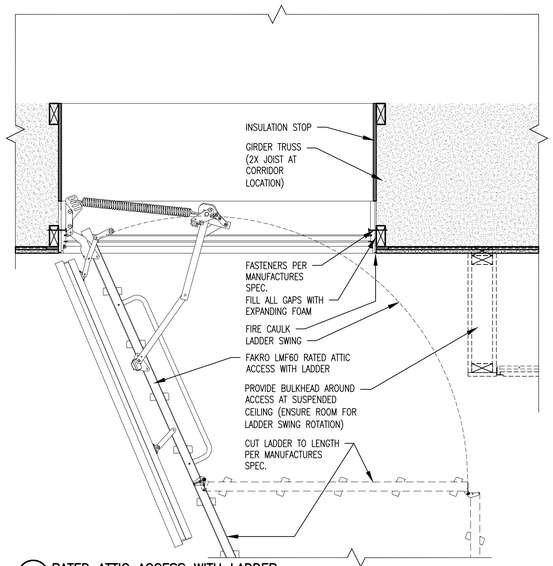


3 CURB FLASHING DETAIL
1 1/2" = 1'–0"

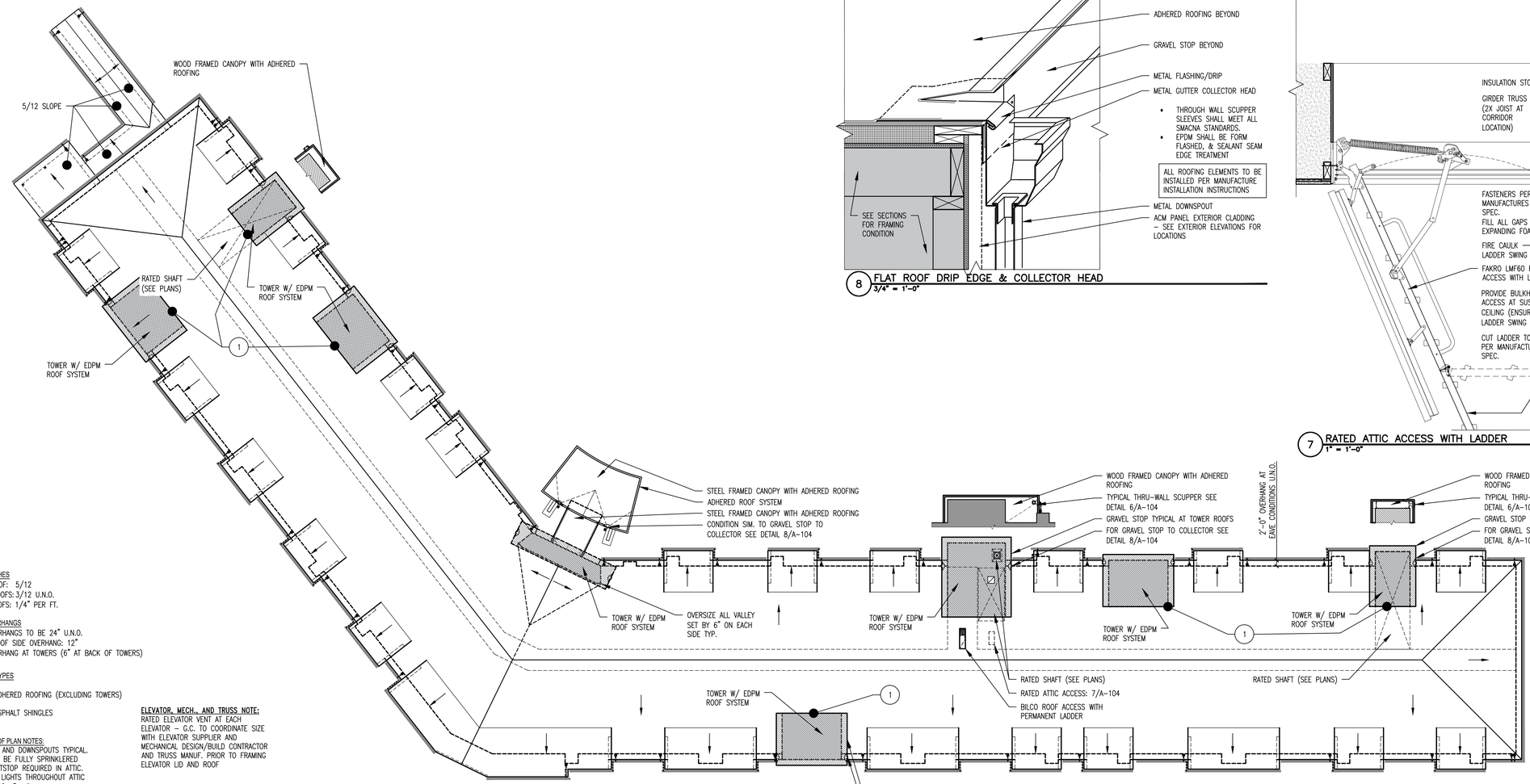


2 KICKOUT FLASHING DETAIL
1 1/2" = 1'–0"

8 FLAT ROOF DRIP EDGE & COLLECTOR HEAD
3/4" = 1'–0"



7 RATED ATTIC ACCESS WITH LADDER
1" = 1'–0"



ROOF PITCHES
- MAIN ROOF: 5/12
- SHED ROOFS: 3/12 U.N.O.
- FLAT ROOFS: 1/4" PER FT.

ROOF OVERHANGS
- ALL OVERHANGS TO BE 24" U.N.O.
- SHED ROOF SIDE OVERHANG: 12"
- 24" OVERHANG AT TOWERS (6" AT BACK OF TOWERS)

ROOFING TYPES

ADHERED ROOFING (EXCLUDING TOWERS)

ASPHALT SHINGLES

OTHER ROOF PLAN NOTES:
- GUTTERS AND DOWNSPOUTS TYPICAL.
- ATTIC TO BE FULLY SPRINKLERED –NO DRAFTSTOP REQUIRED IN ATTIC.
- PROVIDE LIGHTS THROUGHOUT ATTIC EVERY 25'–0" W/3–WAY LIGHT SWITCH.
- PROVIDE ATTIC ACCESS DOOR(S) – SEE DETAIL: 7/A–104.
- PROVIDE KICKOUT FLASHING AT ALL ROOF WALL CONNECTIONS – SEE DETAIL 2/A–104.
- PROVIDE SNOW GUARDS AT ALL METAL ROOF LOCATIONS
- PROVIDE D–RING TIE OFFS PER OSHA STANDARDS AT 40' SPACING.

ELEVATOR, MECH., AND TRUSS NOTE:
RATED ELEVATOR VENT AT EACH ELEVATOR – G.C. TO COORDINATE SIZE WITH ELEVATOR SUPPLIER AND MECHANICAL DESIGN/BUILD CONTRACTOR AND TRUSS MANUF. PRIOR TO FRAMING ELEVATOR LID AND ROOF

OTHER NOTES

– DENOTES PROPOSED GUTTER AND DOWNSPOUT LOCATION

1 – ENSURE MAUFACTURE RECOMENDED OVERLAP IS USED AT PITCHED TO ADHERED ROOFING LOCATIONS

OMIT ONE SHEET OF ROOF SHEATHING UNDER EACH FALSE DORMER/GABLE TO ALLOW FOR ACCESS AND UNIFORM ATTIC TEMP.

1 ROOF PLAN
1" = 20'

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Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22 2024

BP 03: Addendum 02 Drawings

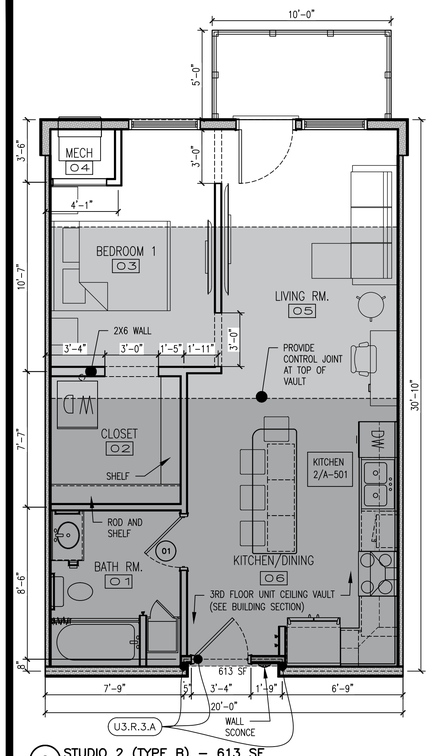
Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303

Project Contact
CHRIS KOEPP
(320) 253-2411

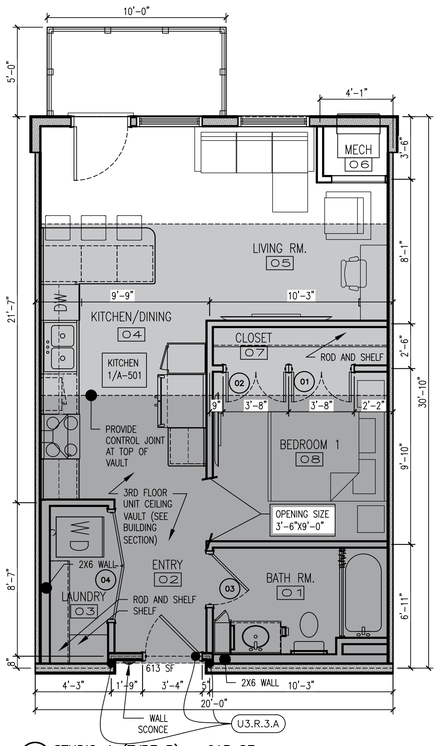
APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED

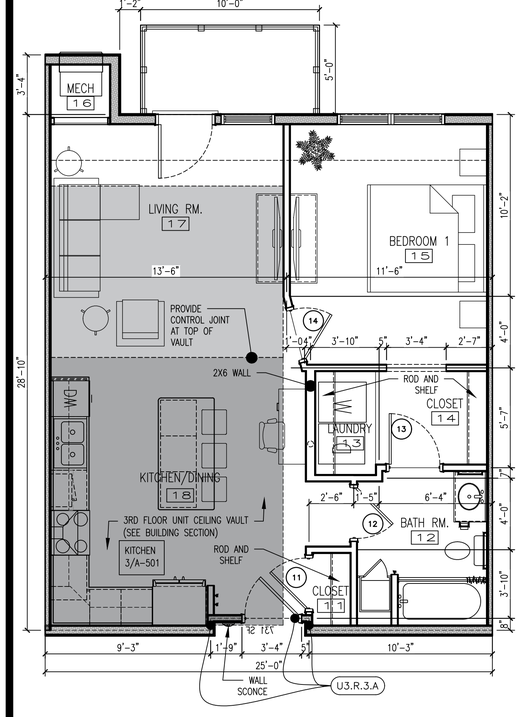
Sheet ROOF PLAN
A-104



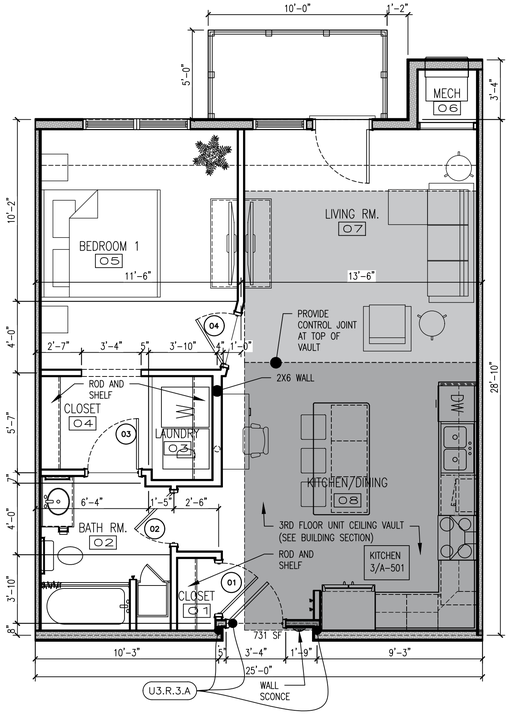
2 STUDIO 2 (TYPE B) – 613 SF
1/4" = 1'-0"



1 STUDIO 1 (TYPE B) – 613 SF
1/4" = 1'-0"



3M (1B1B) 1–BEDROOM 1–BATH TYP (TYPE B) – 731 SF (MIRRORED)
1/4" = 1'-0"



3 (1B1B) 1–BEDROOM 1–BATH TYP (TYPE B) – 731 SF
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
02	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
03	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---
04	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
05	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
06	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
1	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---

******SOUND ISOLATION NOTES******

ELECTRICAL NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- SEALED ELECTRICAL BOXES REQUIRED.
- SEAL PENETRATIONS WHERE WIRES ENTER JUNCTION BOXES.
- **LOW VOLTAGE NOTE** – SEALED JUNCTION BOXES REQUIRED FOR LOW VOLTAGE WIRING.
- NO JUNCTION BOX SHALL BE ALLOWED IN THE SAME STUD CAVITY AS A JUNCTION BOX FROM AN ADJOINING UNIT. IF BACK TO BACK BOXES CAN NOT BE AVOIDED, THEY SHALL BE SEPARATED BY SOLID BLOCKING.
- ALL DRILLED WIRE HOLES (INCLUDING LOW VOLTAGE) SHALL BE SEALED AFTER ALL WIRES HAVE BEEN PULLED.

GYPSUM BOARD INSTALLATION NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- ALL GYPSUM BOARD SHALL BE INSTALLED AND SEALED PER SOUND ISOLATION DETAILS ON PAGE A-401.3

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
02	ENTRY	VINYL	WOOD	GYP./PT.	GYP./PT.		---
03	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		---
04	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		---
05	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
06	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
07	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
08	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
1	3'-4"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	---
2	3'-4"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	---
3	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
4	6'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	---

TYPICAL UNITS NOTES

ROOM FINISH SCHEDULE NOTES

- SEE SPEC. PAGES FOR OTHER FINISH INFORMATION
- PAINT ALL MECHANICAL ACCESS DOORS INCLUDING ELECTRICAL PANEL COVER.
- (AT ALL BEDROOMS & LIVING ROOMS) PROVIDE RATED BOX, WIRING, BREAKER AS REQUIRED FOR FUTURE CEILING FAN (CENTER IN ROOM).
- ALL LIGHT FIXTURES SHOWN ARE IN ADDITION TO CODE MIN AND IN ADDITION TO OTHER ELECTRICAL NOTES HEREIN.
- (AT ALL BATHROOMS) SEE DETAILS 9-16 ON A-402 FOR ADDITIONAL ADA REQUIREMENTS.
- BATH VANITY CABINET (34" TALL), LINEN CABINET, LINEN FACE FRAME W/DOOR (IF SHOWN) BY CABINET SUPPLIER
- LAUNDRY BASE CABINET (34" TALL), & WALL CABINET BY CABINET SUPPLIER
- AT LAUNDRY ROOM, 14"X6" THROUGH WALL RETURN AIR GRILLE CENTERED ABOVE DOOR.

DOOR & FRAME SCHEDULE NOTES

- SEE SPEC. PAGES FOR DOOR INFORMATION
- AT LAUNDRY ROOM, TRIM 1-1/2" OFF BOTTOM DOOR TO ACCOMMODATE VENTING REQUIREMENTS.

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

SCHLAGE OR EQUAL, USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS, F SERIES ELSEWHERE. LEVER HANDLES, SEE SEE SPEC PAGES FOR FINISH. HARDWARE TO MATCH DOOR, AND OR/WALL RATING. WHICHEVER IS MORE STRINGENT.

- * : (POCKET DOOR) MANUFACTURER'S POCKET DOOR HARDWARE W/RECESSED PULL.
- ** : (SLIDING BARN DOOR) BARN DOOR HARDWARE W/ PULL.
- # : BALL CATCH W/ DUMMY LEVERS.
- ## : PASSAGE W/ FLUSH BOLT.

KITCHEN PLANS & ELEVATIONS

- SEE A-501 FOR ENLARGED KITCHEN PLANS; A-502 FOR ELEVATIONS

ALL INTERIOR UNIT WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
11	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
12	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
13	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		---
14	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
15	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---
16	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
17	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
18	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
11	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	---
12	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
13	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
14	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
02	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
03	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		---
04	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
05	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---
06	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
07	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
08	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
1	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	---
2	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
3	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
4	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---

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Graeme H.D. Mahler, AIA Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

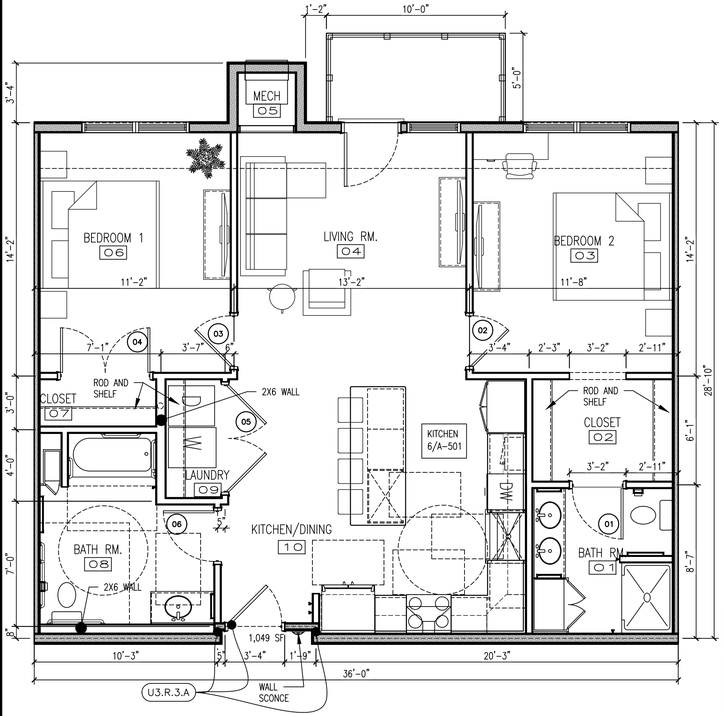
BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet UNIT PLANS
A-105.1

- OF -



2 (2B2B 'A') 2–BEDROOM 2–BATH (TYPE A) – 1049 SF
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	--
02	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		--
03	BEDROOM 2	CARPET	WOOD	GYP./PT.	GYP./PT.		--
04	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
05	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		--
06	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		--
07	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		--
08	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
09	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		--
10	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		--

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	HGT	THK	MATL	HRDWR	FRAME MATL	NOTES
1	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
2	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
3	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
4	5'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	--
5	6'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	--
6	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--

********SOUND ISOLATION NOTES********

ELECTRICAL NOTES RELATED TO SOUND ISOLATION

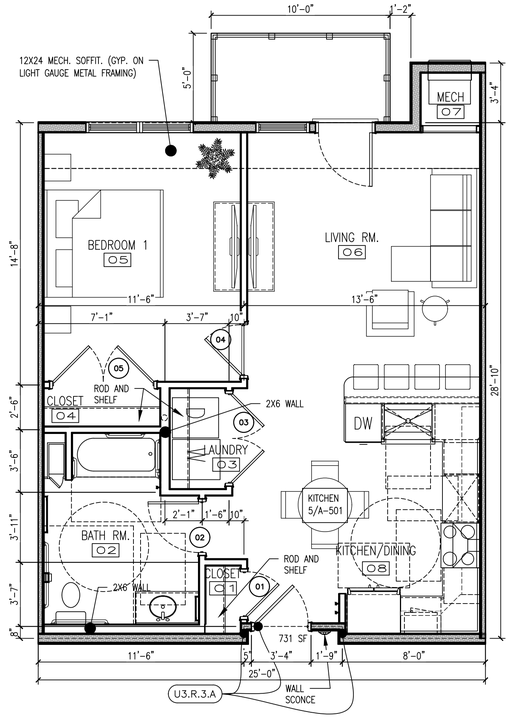
ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- SEALED ELECTRICAL BOXES REQUIRED.
- SEAL PENETRATIONS WHERE WIRES ENTER JUNCTION BOXES.
- **LOW VOLTAGE NOTE** – SEALED JUNCTION BOXES REQUIRED FOR LOW VOLTAGE WIRING.
- NO JUNCTION BOX SHALL BE ALLOWED IN THE SAME STUD CAVITY AS A JUNCTION BOX FROM AN ADJOINING UNIT. IF BACK TO BACK BOXES CAN NOT BE AVOIDED, THEY SHALL BE SEPARATED BY SOLID BLOCKING.
- ALL DRILLED WIRE HOLES (INCLUDING LOW VOLTAGE) SHALL BE SEALED AFTER ALL WIRES HAVE BEEN PULLED.

GYPSUM BOARD INSTALLATION NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- ALL GYPSUM BOARD SHALL BE INSTALLED AND SEALED PER SOUND ISOLATION DETAILS ON PAGE A-401.3



1 (1B1B 'A') 1–BEDROOM 1–BATH (TYPE A) – 731 SF
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	--
02	ENTRY	VINYL	WOOD	GYP./PT.	GYP./PT.		--
02	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
03	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		--
04	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		--
05	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		--
06	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
07	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		--
08	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		--

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	HGT	THK	MATL	HRDWR	FRAME MATL	NOTES
1	2'-6"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	--
2	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
3	5'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	--
4	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
5	5'-8"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	--

TYPICAL UNITS NOTES

ROOM FINISH SCHEDULE NOTES

- SEE SPEC. PAGES FOR OTHER FINISH INFORMATION
- PAINT ALL MECHANICAL ACCESS DOORS INCLUDING ELECTRICAL PANEL COVER.
- [AT ALL BEDROOMS & LIVING ROOMS] PROVIDE RATED BOX, WIRING, BREAKER AS REQUIRED FOR FUTURE CEILING FAN (CENTER IN ROOM).
- ALL LIGHT FIXTURES SHOWN ARE IN ADDITION TO CODE MIN AND IN ADDITION TO OTHER ELECTRICAL NOTES HEREIN.
- [AT ALL BATHROOMS] SEE DETAILS 9-16 ON A-402 FOR ADDITIONAL ADA REQUIREMENTS.
- BATH VANITY CABINET (34" TALL), LINEN CABINET, LINEN FACE FRAME W/DOOR (IF SHOWN) BY CABINET SUPPLIER
- LAUNDRY BASE CABINET (34" TALL), & WALL CABINET BY CABINET SUPPLIER
- AT LAUNDRY ROOM, 14"X6" THROUGH WALL RETURN AIR GRILLE CENTERED ABOVE DOOR.

DOOR & FRAME SCHEDULE NOTES

- SEE SPEC. PAGES FOR DOOR INFORMATION
- AT LAUNDRY ROOM, TRIM 1-1/2" OFF BOTTOM DOOR TO ACCOMMODATE VENTING REQUIREMENTS.

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

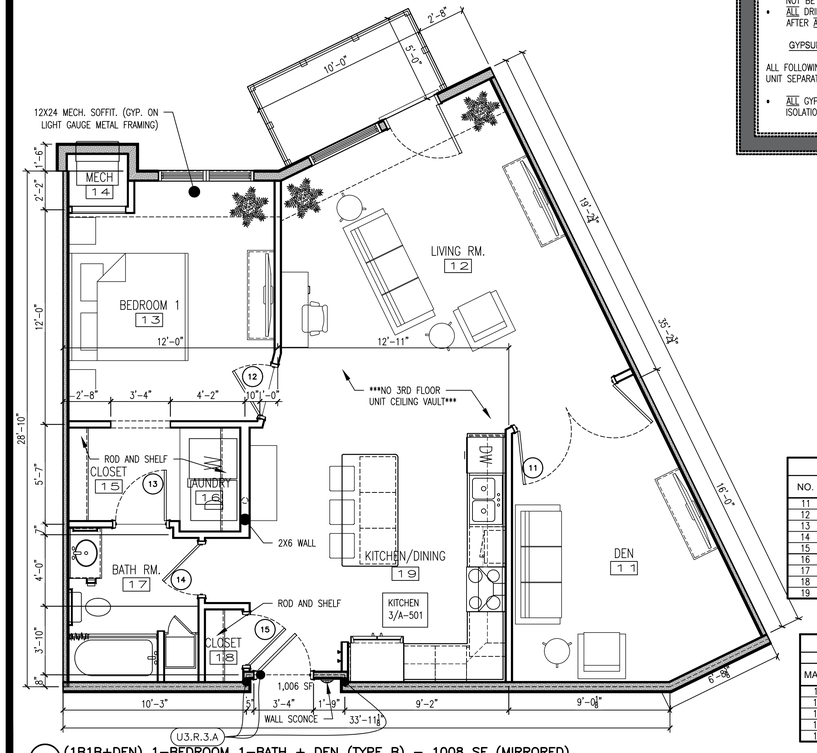
SCHLAGE OR EQUAL. USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS. F SERIES ELSEWHERE. LEVER HANDLES. SEE SEE SPEC PAGES FOR FINISH, HARDWARE TO MATCH DOOR, AND OR/WALL RATING. WHICHEVER IS MORE STRINGENT.

- \# : (POCKET DOOR) MANUFACTURER'S POCKET DOOR HARDWARE W/RECESSED PULL.
- ** : (SLIDING BARN DOOR) BARN DOOR HARDWARE W/ PULL.
- ## : BALL CATCH W/ DUMMY LEVERS.
- ### : PASSAGE W/ FLUSH BOLT.

KITCHEN PLANS & ELEVATIONS

- SEE A-501 FOR ENLARGED KITCHEN PLANS; A-502 FOR ELEVATIONS

ALL INTERIOR UNIT WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE



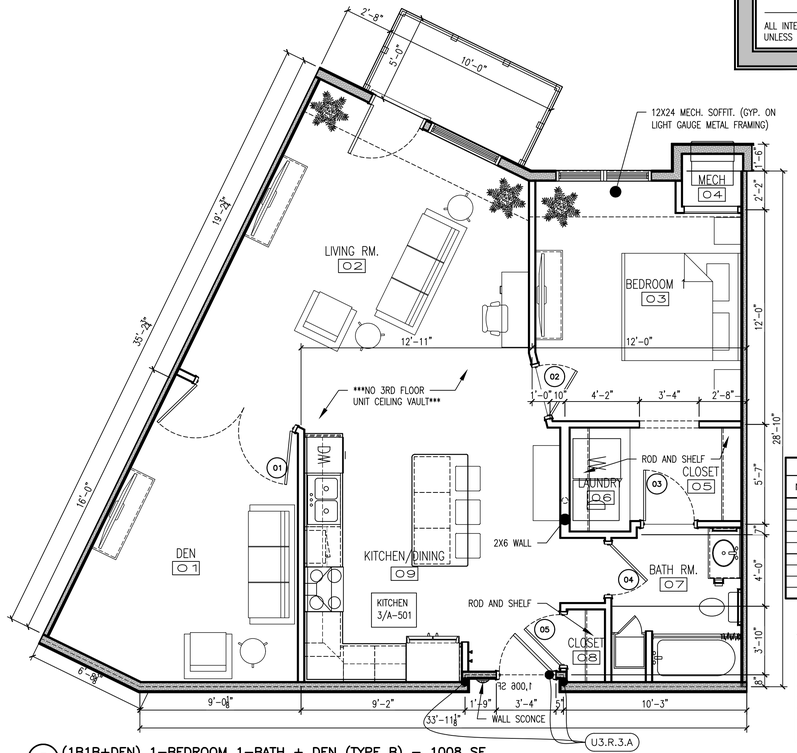
3M (1B1B+DEN) 1–BEDROOM 1–BATH + DEN (TYPE B) – 1008 SF (MIRRORED)
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
11	DEN	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	--
12	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
13	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		--
14	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		--
15	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		--
16	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		--
17	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
18	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.		--
19	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		--

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	HGT	THK	MATL	HRDWR	FRAME MATL	NOTES
11	6'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	--
12	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
13	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
14	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
15	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	--



3 (1B1B+DEN) 1–BEDROOM 1–BATH + DEN (TYPE B) – 1008 SF
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	DEN	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	--
02	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
03	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		--
04	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		--
05	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		--
06	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		--
07	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		--
08	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.		--
09	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		--

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	HGT	THK	MATL	HRDWR	FRAME MATL	NOTES
1	6'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	--
2	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
3	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
4	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	--
5	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	--

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Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
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APARTMENT PHASE

Project 2401
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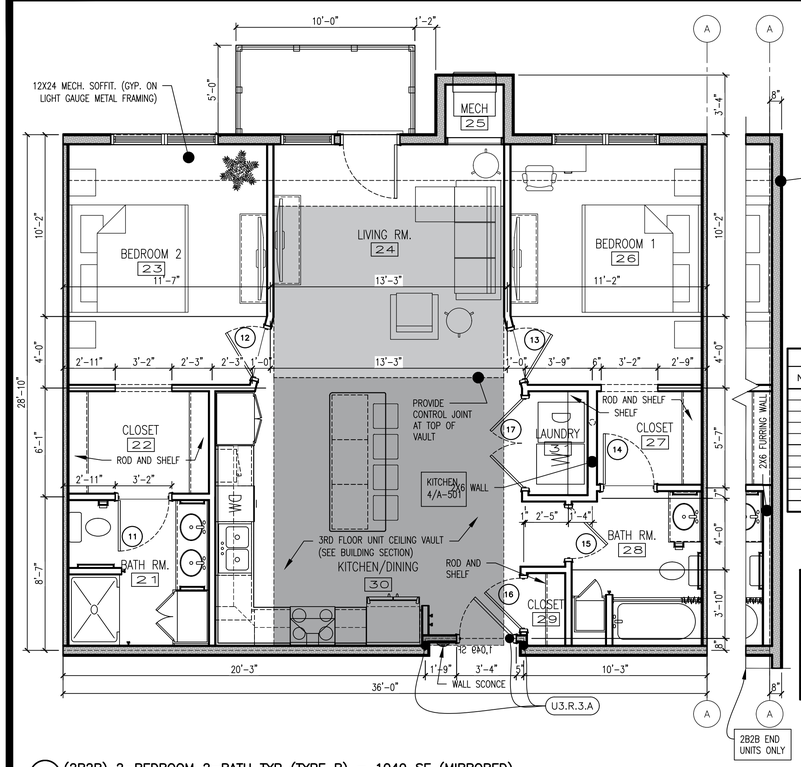
A-105.2



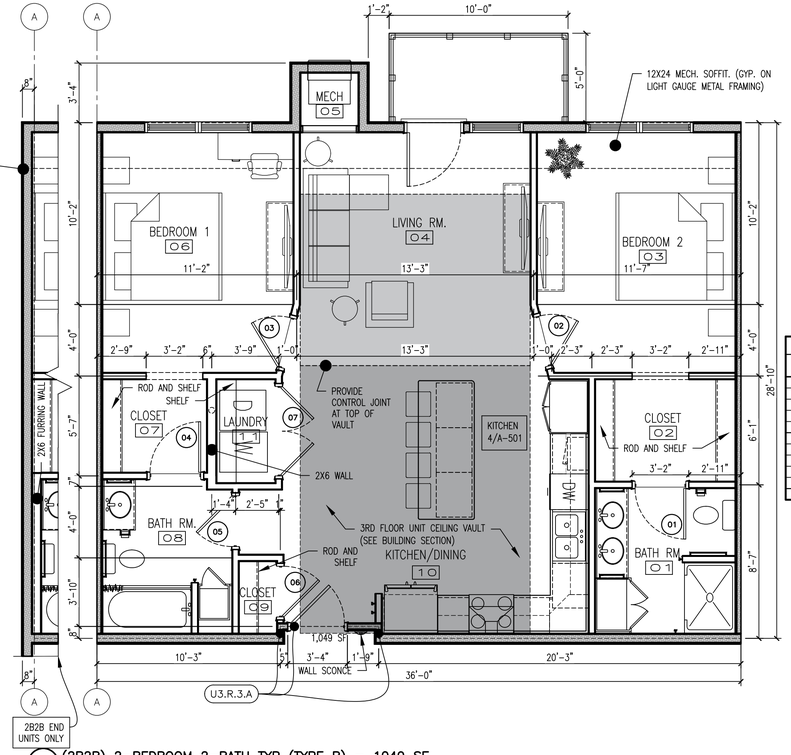
1M (2B2B) 2–BEDROOM 2–BATH TYP (TYPE B) – 1049 SF (MIRRORED)
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
21	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
22	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
23	BEDROOM 2	CARPET	WOOD	GYP./PT.	GYP./PT.		---
24	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
25	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
26	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---
27	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
28	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
29	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.		---
30	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		---
31	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
11	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
12	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
13	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
14	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
15	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
16	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	---
17	5'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	---



1 (2B2B) 2–BEDROOM 2–BATH TYP (TYPE B) – 1049 SF
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
02	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
03	BEDROOM 2	CARPET	WOOD	GYP./PT.	GYP./PT.		---
04	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
05	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
06	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---
07	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
08	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
09	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.		---
10	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.		---
11	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
1	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
2	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
3	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
4	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
5	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
6	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	---
7	5'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	---

********SOUND ISOLATION NOTES********

ELECTRICAL NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- SEALED ELECTRICAL BOXES REQUIRED.
- SEAL PENETRATIONS WHERE WIRES ENTER JUNCTION BOXES.
- **LOW VOLTAGE NOTE** – SEALED JUNCTION BOXES REQUIRED FOR LOW VOLTAGE WIRING.
- NO JUNCTION BOX SHALL BE ALLOWED IN THE SAME STUD CAVITY AS A JUNCTION BOX FROM AN ADJOINING UNIT. IF BACK TO BACK BOXES CAN NOT BE AVOIDED, THEY SHALL BE SEPARATED BY SOLID BLOCKING.
- ALL DRILLED WIRE HOLES (INCLUDING LOW VOLTAGE) SHALL BE SEALED AFTER ALL WIRES HAVE BEEN PULLED.

GYPSUM BOARD INSTALLATION NOTES RELATED TO SOUND ISOLATION

ALL FOLLOWING NOTES APPLY TO UNIT PERIMETER WALLS (EXTERIOR, CORRIDOR, UNIT SEPARATION WALLS) AND CEILING ONLY.

- ALL GYPSUM BOARD SHALL BE INSTALLED AND SEALED PER SOUND ISOLATION DETAILS ON PAGE A-401.3

TYPICAL UNITS NOTES

ROOM FINISH SCHEDULE NOTES

- SEE SPEC. PAGES FOR OTHER FINISH INFORMATION
- PAINT ALL MECHANICAL ACCESS DOORS INCLUDING ELECTRICAL PANEL COVER.
- (AT ALL BEDROOMS & LIVING ROOMS) PROVIDE RATED BOX, WIRING, BREAKER AS REQUIRED FOR FUTURE CEILING FAN (CENTER IN ROOM).
- ALL LIGHT FIXTURES SHOWN ARE IN ADDITION TO CODE MIN AND IN ADDITION TO OTHER ELECTRICAL NOTES HEREIN.
- (AT ALL BATHROOMS) SEE DETAILS 9-16 ON A-402 FOR ADDITIONAL ADA REQUIREMENTS.
- BATH VANITY CABINET (34" TALL), LINEN CABINET, LINEN FACE FRAME W/DOOR (IF SHOWN) BY CABINET SUPPLIER
- LAUNDRY BASE CABINET (34" TALL), & WALL CABINET BY CABINET SUPPLIER
- AT LAUNDRY ROOM, 14"X6" THROUGH WALL RETURN AIR GRILLE CENTERED ABOVE DOOR.

DOOR & FRAME SCHEDULE NOTES

- SEE SPEC. PAGES FOR DOOR INFORMATION
- AT LAUNDRY ROOM, TRIM 1-1/2" OFF BOTTOM DOOR TO ACCOMMODATE VENTING REQUIREMENTS.

DOOR & FRAME SCHEDULE-HARDWARE SET NUMBERS:

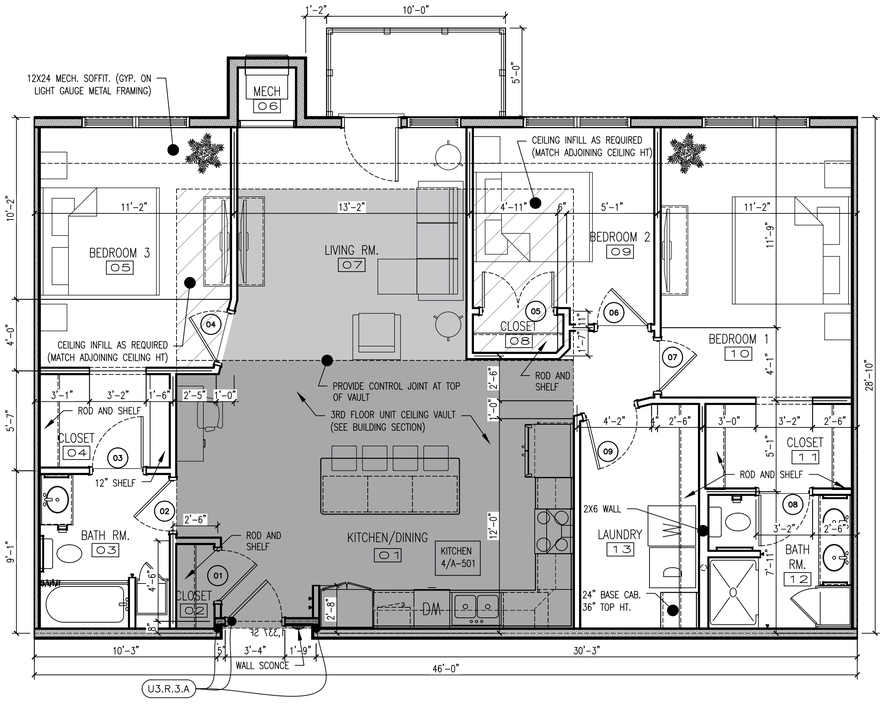
SCHLAGE OR EQUAL USE D SERIES AT ALL HEAVY DUTY AND EXTERIOR LOCATIONS. F SERIES ELSEWHERE. LEVER HANDLES. SEE SEE SPEC PAGES FOR FINISH. HARDWARE TO MATCH DOOR, AND OR/WALL RATING, WHICHEVER IS MORE STRINGENT.

* : (POCKET DOOR) MANUFACTURER'S POCKET DOOR HARDWARE W/RECESSED PULL.
** : (SLIDING BARN DOOR) BARN DOOR HARDWARE W/ PULL.
# : BALL CATCH W/ DUMMY LEVERS.
: PASSAGE W/ FLUSH BOLT.

KITCHEN PLANS & ELEVATIONS

- SEE A-501 FOR ENLARGED KITCHEN PLANS; A-502 FOR ELEVATIONS

ALL INTERIOR UNIT WALLS TO BE = U3.NR.4 UNLESS NOTED OTHERWISE



2 (3B2B) 3–BEDROOM 2–BATH (TYPE B) – 1337 SF
1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS MATL	CEILING MATL	CEILING HGT	NOTES
01	KITCHEN/DINING	VINYL	WOOD	GYP./PT.	GYP./PT.	SEE FLOOR PLANS	---
02	CLOSET	VINYL	WOOD	GYP./PT.	GYP./PT.		---
03	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
04	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
05	BEDROOM 3	CARPET	WOOD	GYP./PT.	GYP./PT.		---
06	MECH	VINYL	WOOD	GYP./PT.	GYP./PT.		---
07	LIVING RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
08	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
09	BEDROOM 2	CARPET	WOOD	GYP./PT.	GYP./PT.		---
10	BEDROOM 1	CARPET	WOOD	GYP./PT.	GYP./PT.		---
11	CLOSET	CARPET	WOOD	GYP./PT.	GYP./PT.		---
12	BATH RM.	VINYL	WOOD	GYP./PT.	GYP./PT.		---
13	LAUNDRY	VINYL	WOOD	GYP./PT.	GYP./PT.		---

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	HRDWR	FRAME MATL	NOTES
1	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	---
2	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
3	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
4	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
5	4'-0"	6'-8"	1 3/8"	H.C. WD.	#	WOOD	---
6	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
7	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---
8	2'-10"	6'-8"	1 3/8"	H.C. WD.	PASSAGE	WOOD	---
9	2'-10"	6'-8"	1 3/8"	H.C. WD.	PRIVACY	WOOD	---

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Principal

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Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet UNIT PLANS
A-105.3

1 NORTH ELEVATION – WEST WING
3/32" = 1'-0"

2 NORTH ELEVATION – EAST WING
3/32" = 1'-0"

3 SOUTH ELEVATION – EAST WING
3/32" = 1'-0"

4 SOUTH ELEVATION – WEST WING
3/32" = 1'-0"

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Sheet
EXTERIOR ELEVATION

A-201

GENERAL NOTES:

- SEE BUILDING SECTIONS FOR FLOOR TO FLOOR HEIGHTS
- SEE ROOF PLAN FOR OVERHANG SIZE & GUTTER/DOWNSPOUT LOCATIONS

8 AT ALL FASCIA, SOFFIT, & ACCENT TRIM, CORNERS, TYP.

- PREFABRICATED ALUMINUM DECKS AND RAILING TYPICAL U.N.O.
- FOR MATERIAL LEGEND SEE PAGE A-202
- FOR ADDITION INFORMATION SEE SPEC SHEETS CS-301.X
- FOR FLASHING DETAILS SEE PAGE A-401.2
- TYPICAL VINYL WINDOW HEAD HT = 7'-10"
- ALUM. WINDOW HEAD HT = MATCH ADJACENT ALUM. DOOR/STOREFRONT HT.

1 EAST END ELEVATION
3/32" = 1'-0"

2 WEST END ELEVATION
3/32" = 1'-0"

3 MISCELLANEOUS SIDE ELEVATIONS
3/32" = 1'-0"

MATERIAL LEGEND
3/32" = 1'-0"

1 – ARCHITECTURAL SHINGLES
(BRAND: CERTENTEED – LANDMARK – COLONIAL SLATE)

2 – STEEL LAP SIDING (TYPE 1) – 8" LAP
(BRAND: EDCO – CANYON)

3 – STEEL LAP SIDING (TYPE 2) – 8" LAP
(BRAND: EDCO – MAHOGANY)

4 – STEEL LAP SIDING (TYPE 3) – 8" LAP
(BRAND: EDCO – CHARCOAL GRAY

5 – STEEL PANEL SIDING
(BRAND: PAC-CLAD – M-36 PANELS – GRAPHITE

6 – MANUFACTURED ADHERED STONE
(BRAND: PRO-FIT – MODERA LEDGESTONE – CARBON

7 – CAST IN PLACE CONCRETE COLUMNS

8 – PRE-FINISHED PRE-FORMED STEEL TRIMS
(BRAND: EDCO – DRIFTWOOD GRAY)

9 – ALUMINUM COMPOSITE PANEL
(COLOR: TO MATCH HEALTH PLAZA)

PROVIDE SAMPLES TO CONTRACTOR FOR SELECTION

NOTE: PT DOOR AND LP TRIMS TO MATCH WINDOW COLOR

4 UNIT DOOR TRIM
1/4" = 1'-0"

APARTMENT PHASE

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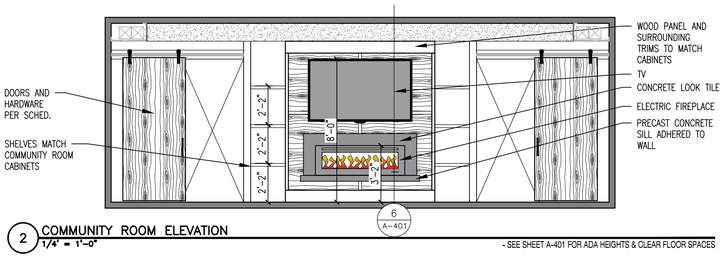
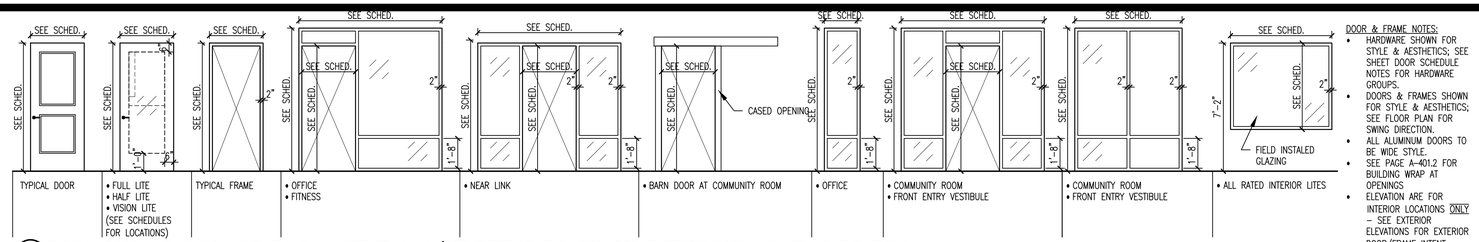
Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet EXTERIOR ELEVATION
A-202



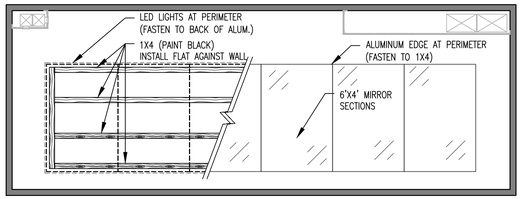
2 COMMUNITY ROOM ELEVATION
1/4" = 1'-0"

- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES



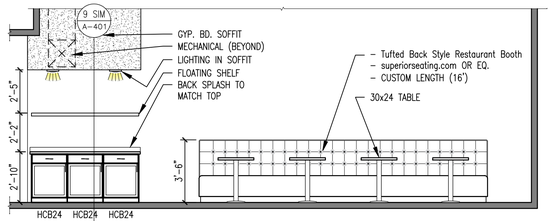
DOOR & FRAME NOTES:
- HARDWARE SHOWN FOR STYLE & AESTHETICS; SEE SHEET DOOR SCHEDULE NOTES FOR HARDWARE GROUPS.
- DOORS & FRAMES SHOWN FOR STYLE & AESTHETICS; SEE FLOOR PLAN FOR SWING DIRECTION.
- ALL ALUMINUM DOORS TO BE WIDE STYLE.
- SEE PAGE A-401.2 FOR BUILDING WRAP AT OPENINGS.
- ELEVATION ARE FOR INTERIOR LOCATIONS ONLY – SEE EXTERIOR ELEVATIONS FOR EXTERIOR DOOR/FRAME INTENT

1 TYPICAL DOOR AND WINDOW ELEVATIONS – INTERIOR ONLY (SEE EXTERIOR ELEVATION FOR EXTERIOR DOOR AND FRAME ELEVATIONS
1/4" = 1'-0"



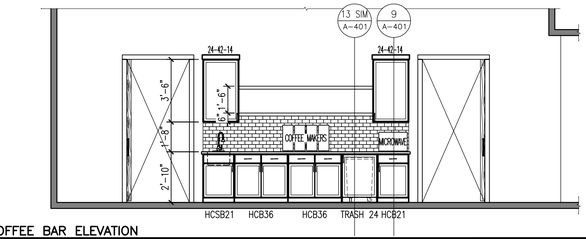
5 FITTNESS
1/4" = 1'-0"

- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES



4 BOOTH ELEVATION
1/4" = 1'-0"

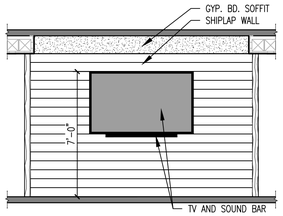
- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES



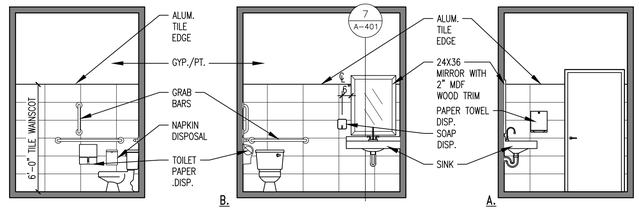
3 COFFEE BAR ELEVATION
1/4" = 1'-0"

- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES

10 NOT USED
1/4" = 1'-0"

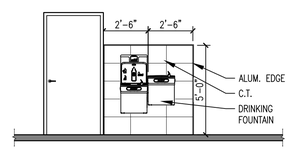


9 SKY LOUNGE
1/4" = 1'-0"



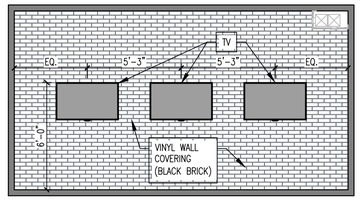
8 TOILET
1/4" = 1'-0"

- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES



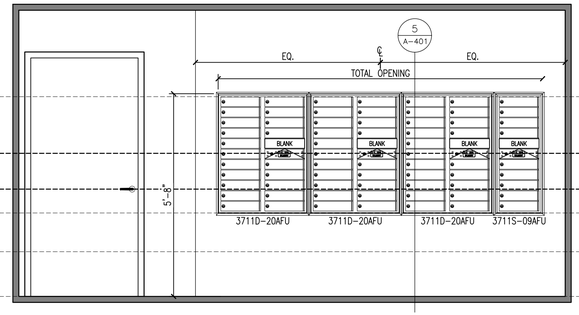
7 WATER COOLER
1/4" = 1'-0"

- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES

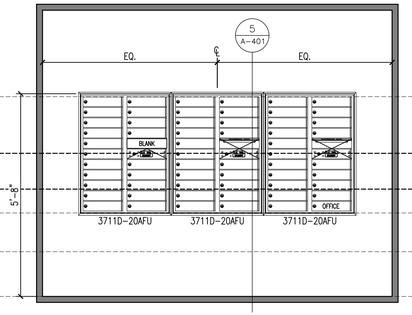


6 FITTNESS
1/4" = 1'-0"

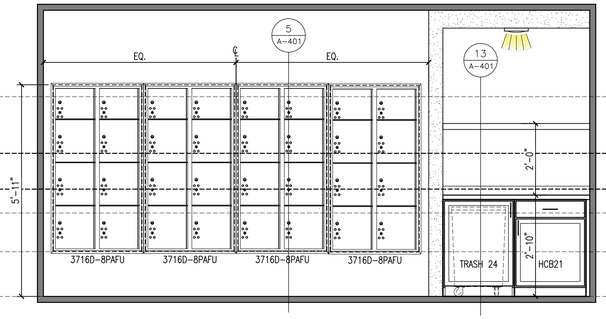
- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES



C.

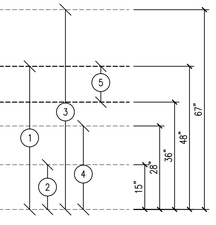


B



A.

SALSBURY OR EQUAL – MAILBOX (4C HORIZ. MAILBOXES, FRONT LOADING), CONFIRM W/CONTRACTOR
129 DELIVERY BOXES AND 26 PARCEL BOXES MINIMUM



INSTALLATION REQUIREMENTS PER USPS STD-4C

1. AT LEAST ONE CUSTOMER MAILBOX COMPARTMENT SHALL BE POSITIONED LESS THAN 48" ABOVE FINISHED FLOOR (AFF).
2. NO PARCEL LOCKER COMPARTMENT (INTERIOR BOTTOM SHELF) SHALL BE POSITIONED LESS THAN 15" AFF.
3. NO CUSTOMER MAILBOX LOCK SHALL BE LOCATED MORE THAN 67" AFF.
4. NO CUSTOMER MAILBOX COMPARTMENT (INTERIOR BOTTOM SHELF) SHALL BE POSITIONED LESS THAN 28" AFF.
5. THE USPS ARROW LOCK IN THE CARRIER ACCESS DOOR SHALL BE LOCATED BETWEEN 36" AND 48" AFF.

11 MAILROOM ELEVATION
1/2" = 1'-0"

- SEE SHEET A-401 FOR ADA HEIGHTS & CLEAR FLOOR SPACES

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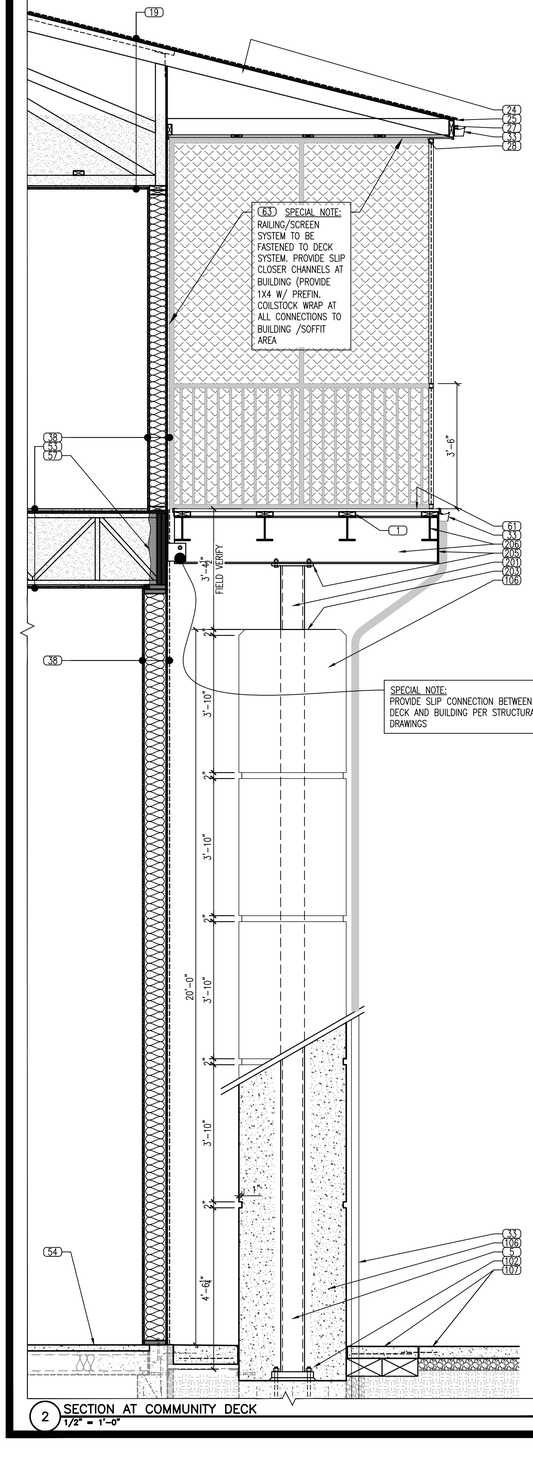
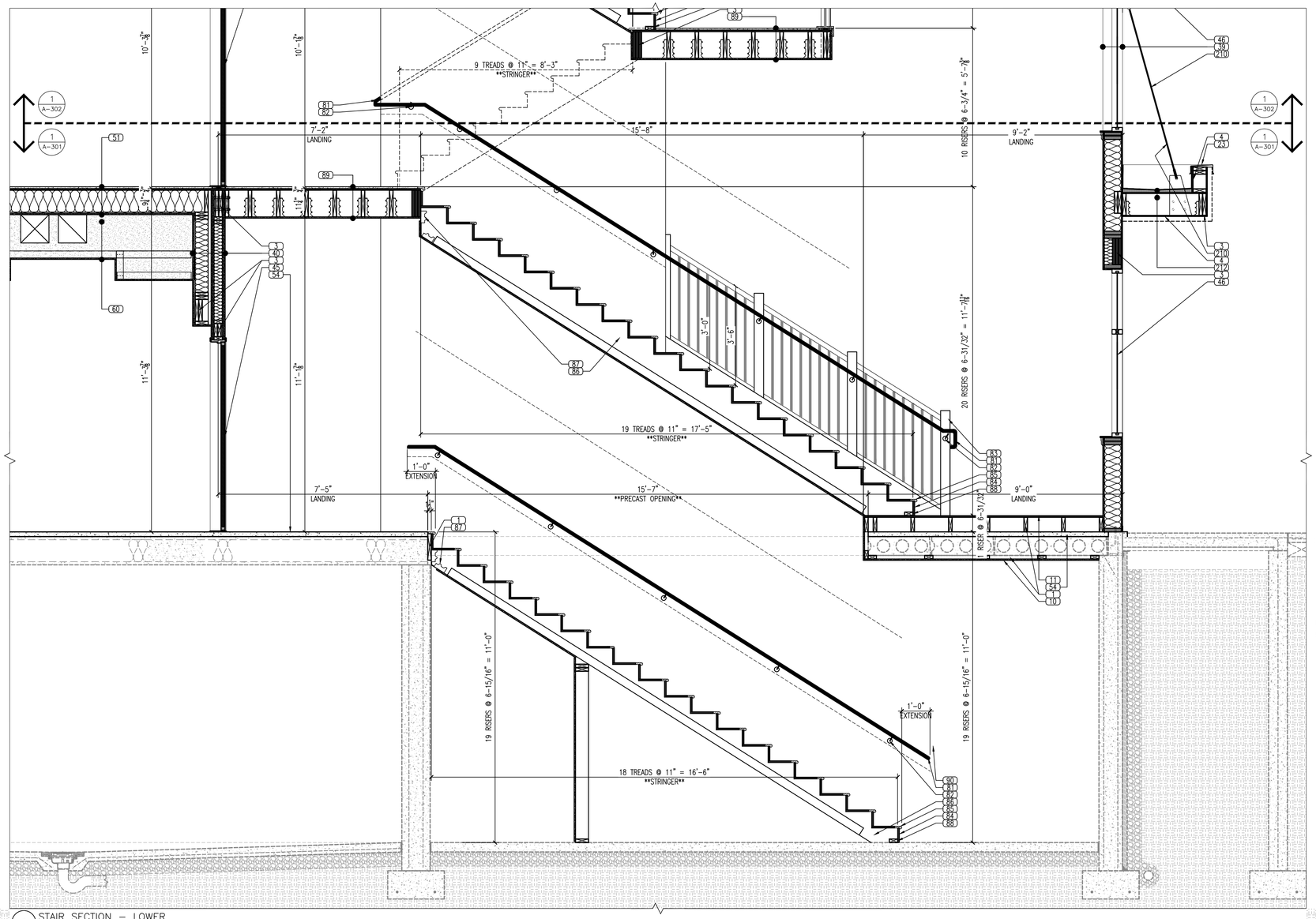
Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet INTERIOR ELEVATIONS
A-203



2 SECTION AT COMMUNITY DECK
1/2" = 1'-0"



1 STAIR SECTION – LOWER
1/2" = 1'-0"

SECTION NOTES (* DENOTES SIM)

1. 2X_ BLOCKING/BACKING/BRACING
2. STEEL LINTEL/BEAM (SEE STRUCT.)
3. WOOD HEADER/BEAM (SEE STRUCT.)
4. 1/2" SHEATHING (TO BE TREATED WHEN IN CONTACT WITH CONC. OR USED AT PARAPETS)
5. STEEL COLUMN (SEE STRUCT.)
6. PRE-FIN. METAL FLASHING
7. WOOD TRUSS
8. 2X10 WOOD JOIST (SEE STRUCT.)
9. 2X8 WOOD JOIST (SEE STRUCT.)
10. 5/8" GYP. BD.
11. 3/4" SHEATHING (TO BE TREATED WHEN IN CONTACT WITH CONC.)
12. 2x6 BULKHEAD W/ 5/8" GYP. BD.
13. 1-1/2" RIGID INSULATION
14. 2" RIGID INSULATION

ROOF CONSTRUCTION

16. CONT. RIDGE VENT, OR BOX VENT (SEE ROOF PLAN)
17. GALVANIZED STEP FLASHING
18. GALVANIZED VALLEY FLASHING
19. ROOF SYSTEM: (SEE DETAIL 1/A-401.1)
    - ARCHITECTURAL LAMINATED SHINGLES
    - ICE & WATER SHIELD, EXTEND 2'-0" MIN. PAST INSIDE OF EXTERIOR WALL AT EAVES/GABLES, VALLEYS, & WALL ROOF CONNECTIONS, 15# FELT PAPER EVERYWHERE ELSE
    - ROOF SHEATHING (SEE STRUCT.)
    - PRE-ENGINEERED ROOF TRUSS.(SEE STRUCT.)
    - **END OF NOTE AT SIM**
    - BLOWN ATTC INSULATION (SEE ENERGY CODE COMPLIANCE CERTIFICATE ON CS-102)
    - 6 MIL. POLY VAPOR BARRIER
    - RESILIENT CHANNEL & GYP. BD.
20. EXTERIOR CLADDING - SEE EXTERIOR ELEVATIONS
21. ROOF SYSTEM: (SEE DETAIL 1/A-401.1)
    - FULLY ADHERED MEMBRANE ROOFING
    - 4" METAL ROOF COPING DRIP EDGE/GRAVEL STOP (SEE 8/A-104)
    - COVER BOARD (PER MANUF.)
    - TAPERED INSULATION AS REQUIRED FOR DRAINAGE
    - ROOF SHEATHING (SEE STRUCT.)
    - PRE-ENGINEERED ROOF TRUSS (SEE STRUCT.)
    - **END OF NOTE AT SIM**
    - BLOWN ATTIC INSULATION (SEE ENERGY CODE COMPLIANCE CERTIFICATE ON CS-102)
    - 6 MIL. POLY VAPOR BARRIER
    - RESILIENT CHANNEL & GYP. BD.
22. NOT USED
23. METAL ROOF COPING/GRAVEL STOP
24. AIR CHUTE/INSULATION STOP
25. PRE-FIN. METAL DRIP EDGE
26. 2X4 LOOKOUT FRAMING
27. 2X6 SUB-FASCIA WRAPPED W/PRE-FIN. METAL FASCIA (SEE ELEVATIONS A-200'S).
28. VENTED METAL SOFFIT W/"T" & "J" TRIM AS REQUIRED (MATCH FASCIA COLOR)
29. 2X CATWALK, TYP. (SEE 4/S420)
30. PRE-FIN. METAL FASCIA (SEE ELEVATIONS A-200'S)
31. T&G "CEDAR LOOK" WOOD SOFFIT
32. ROOF SCUPPER – PER MFR'S INSTRUCTIONS (SEE DETAILS 6 & 8/A-104)
33. GUTTERS AND DOWNSPOUTS TYPICAL (SEE ROOF PLAN)

WALL CONSTRUCTION

36. CULTURED STONE VENEER SYSTEM: (SEE ELEVATIONS A-200'S)
    - DOUBLE WEATHER BARRIER
    - METAL MESH
    - TYPE S MORTAR SCRATCH COAT
    - TYPE S MORTAR SETTING BED
    - STONE W/GROUT JOINT PER-MANUF. STYLE
    - SILL/CAP BLOCK W/PRE-FINISHED METAL FLASHING AT TOP/UNDER OPENINGS
    - PRE-FINISHED FLASHING AT BOTTOM
37. BATT INSULATION
38. EXTERIOR 2X6/2X8/ENGINEERED STUD WALL SYSTEM: (SEE DETAIL 5 & 6/A-401.1)
    - DOUBLE TOP PLATE, & SINGLE SILL PLATE (TREATED W/SILL SEALER WHEN IN CONTACT W/CONC.)
    - GYP. BD
    - 6 MIL. PLY VAPOR BARRIER
    - STUD (SEE STRUCT.) FILL W/FIBER BATT INUSL. (SEE ENERGY CODE COMPLIANCE CERTIFICATE ON CS-102)
    - EXTERIOR STRUCTURAL PANEL SHEATHING (SEE STRUCT. FOR ADDITIONAL SHEAR WALL & CONNECTION DETAILS)
    - WINDPROOF BUILDING PAPER
    - EXTERIOR FINISH MATERIAL (SEE ELEVATIONS A-200'S)
39. WOOD POST WITH BASE PLT. (SEE STRUCT)
40. INTERIOR STUD WALL SYSTEM: (SEE FLOOR PLANS FOR WALL TYPES) (SEE STRUCT. FOR ADDITONAL SHEAR WALL & CONNECTION DETAILS)
    - DOUBLE TOP PLATE, & SINGLE SILL PLATE (TREATED W/SILL SEALER WHEN IN CONTACT W/CONC.)
41. INTERIOR C.M.U. WALL SYSTEM: (SEE FLOOR PLANS FOR WALL TYPES) (SEE STRUCT.)
42. 2X NAILER CONT., WRAPPED W/PRE-FIN. METAL (SEE ELEVATIONS A-200'S)
43. 1X4 NAILER AROUND WINDOW/DOOR/MECH UNIT WRAPPED W/PRE-FIN. METAL (SEE ELEVATIONS A-200'S)
44. WINDOW SYSTEM (SEE WINDOW SCHEDULES) (GYP. BOARD HEAD/JAMB EXTENSION, SOLID SURFACE SILL, TYP.)
45. DOOR SYSTEM (SEE DOOR SCHEDULES)
46. STOREFRONT SYSTEM (SEE WINDOW/DOOR SCHEDULES) (GYP. BOARD HEAD/JAMB EXTENSION, TYP. – SOLID SURFACE SILL WHERE APPLICABLE.
47. NOT USED
48. NOT USED

FLOOR/CEILING CONSTRUCTION

51. 2X_ WOOD FLOOR SYSTEM: (SEE DETAIL 3/A-401.1) (SEE STRUCT. FOR ADDITONAL INFORMATION)
52. 2X10 WOOD LID SYSTEM: (SEE DETAIL 2/A-401.1) (SEE STRUCT. FOR ADDITONAL INFORMATION)
53. WOOD FLOOR TRUSS SYSTEM: (SEE DETAIL 4/A-401.1) (SEE STRUCT. FOR ADDITONAL INFORMATION)
    - GYP-CRETE TOPPING
    - T&G SHEATHING (SEE STRUCT.)
    - JOIST/TRUSS (40, OR 42.) W/RIM JOIST/HANGER/RIBBON) (SEE STRUCT.) BLOW FULL W/ HIGH DENSITY FIBERGLASS INSULATION, FILL ALL VOIDS
    - RESILIENT CHANNEL
    - GYPSUM BD.
54. 2" CONC. TOPPING ***(***TOPPING BY CONCRETE SUPPLIER***)***
55. RATED ATTIC ACCESS W/LADER (SEE 7/A-104) (SEE ROOF PLAN FOR INFO)
56. NOT USED
57. EXPANDING SPRAY FOAM INSULATION (R-10 VAPOR BARRIER COMPLIANT) **FILL CAVITY AT SIM**
58. FILL VOID W/FIRE STOP
59. ACOUSTICAL CEILING PANEL (SEE DETAIL 11/A-401)
60. FALSE CEILING AT CORRIDOR.
    - LIGHT GAUGE METAL ANGLES
    - 5/8" GYPSUM BD.
61. INTERLOCKING ALUMINUM DECKING. (AT COMMUNITY DECK ONLY) 1/8" SLOPE PER FOOT MIN. (LockDry® BY Nexon Building Products OR EQ.)
62. MECH/SPRINKLER SOFFIT (SEE 14/A-401)
63. POWDER COATED ALUMINUM RALING SYSTEM (42" HT. MIN.)
64. PREFAB METAL DECK SYSTEM W/ MAINTENANCE FREE DECKING
65. CEILING SYSTEM
    - 2X6 FRAMING (SEE 4/S420)
    - RESILIENT CHANNEL
    - GYPSUM BD.

ELEVATOR CONSTRUCTION

71. MACHINE-ROOMLESS ELEVATOR BY SUPPLIER
    - ELEVATOR DOOR (BY SUPPLIER) SEE PLAN FOR STOP LOCATION
    - PIT LADDER – LOCATION PER SUPPLIER DRAWINGS
    - ELEVATOR CAR (BY SUPPLIER)
    - PROVIDE WALL CONNECTION/SUPPORTS/EMBEDS (PER ELEVATOR SUPPLIERS SHOP DRAWINGS.)

STAIR CONSTRUCTION

81. WOOD HANDRAIL BOTH SIDES, TYP.
82. HANDRAIL SUPPORT (METAL POWDER COATED)
83. WOOD RAILING SYSTEM (SEE DETAIL 4/A-401)
84. 3/4" WOOD RISER
85. 1-1/4" WOOD TREAD W/NOSING
86. WOOD STRINGER W/5/8" GYP. BD. BELOW (SEE STRUCT. FOR STRINGER SIZE)
87. STAIR HANGER @ EACH STRINGER (SEE STRUCT.)
88. 2X4 KICKER CONT.
89. STAIR LANDING SYSTEM:
    - 3/4" GYP CRETE
    - 3/4" SUB-FLOOR (SEE STRUCT.)
    - WOOD JOISTS W/RATED HANGERS (SEE STRUCT.)
    - 5/8" GYP. BD.
90. 3/4" SOLID WOOD WALL CAP TRIM

SLAB/FOUNDATION/FOOTING CONSTRUCTION

101. CONCRETE FLOOR/SLAB (SEE STRUCT.)
    - 6 MIL. POLY VAPOR BARRIER
    - 6" COMPACTED GRANULAR FILL
102. ANCHOR BOLT (SEE STRUCT.)
103. 1/2" RIGID EXPANSION MATERAL W/SEALANT CONT. AT PERIMETER, TYP.
104. GRADE, SLOPE AWAY FROM BUILDING 1/4" PER 1'-0" MIN. (SEE CIVIL)
105. BOND BEAM (SEE STRUCT.)
106. CONCRETE PIER (SEE STRUCT.)
107. CONCRETE SLAB (SEE CIVIL)
108. GRANULAR BACKFILL
109. POURED CONCRETE PATIO SLAB W/ BOX VOIDS, SLOPE AWAY FROM BUILDING

STEEL CONSTRUCTION

201. HSS (PER STRUCTURAL) PRIME AND PAINT TYP.
202. BASE PLT. (PER STRUCT) PRIME AND PAINT TYP.
203. SEALANT TO MATCH PAINTED STEEL.
204. FASTENERS (PER STRUCT) PRIME AND PAINT TYP.
205. PLATE STEEL (PER STRUCT) PRIME AND PAINT TYP.
206. WIDE FLANGE STEEL (PER STRUCT) PRIME AND PAINT TYP.
207. STEEL CHANEL FRAMING (PER STRUCT)
208. 3-5/8" METAL FRAMING
209. METAL ROOF DECKING (PER STRUCT)
210. METAL TENSION ROD PER STRUCT. – PROVIDE WATER-TIGHT SEAL AT ADHERED ROOFING PENETRATION.
211. STEEL ANGEL (PER STRUCT) PRIME AND PAINT TYP.
212. ROOF SYSTEM:
    - FULLY ADHERED MEMBRANE ROOFING (WRAP OVER PARAPET)
    - COVER BOARD (PER MANUF.)
    - TAPERED INSULATION AS REQUIRED FOR DRAINAGE

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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 Architect under the laws of the state of Minnesota.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet SECTIONS - STAIR
A-301

6 SECTION AT LOBBY COMMON AREA
1/2" = 1'-0"

5 SECTION AT LINK
1/2" = 1'-0"

1 STAIR SECTION – UPPER
1/2" = 1'-0"

SEE PAGE A-301 FOR SECTION NOTES

4 SECTION AT MECH. WELL
1/2" = 1'-0"

3 SECTIONS AT OVERHEAD DOOR
1/2" = 1'-0"

2 TYP. STOOP
1/2" = 1'-0"

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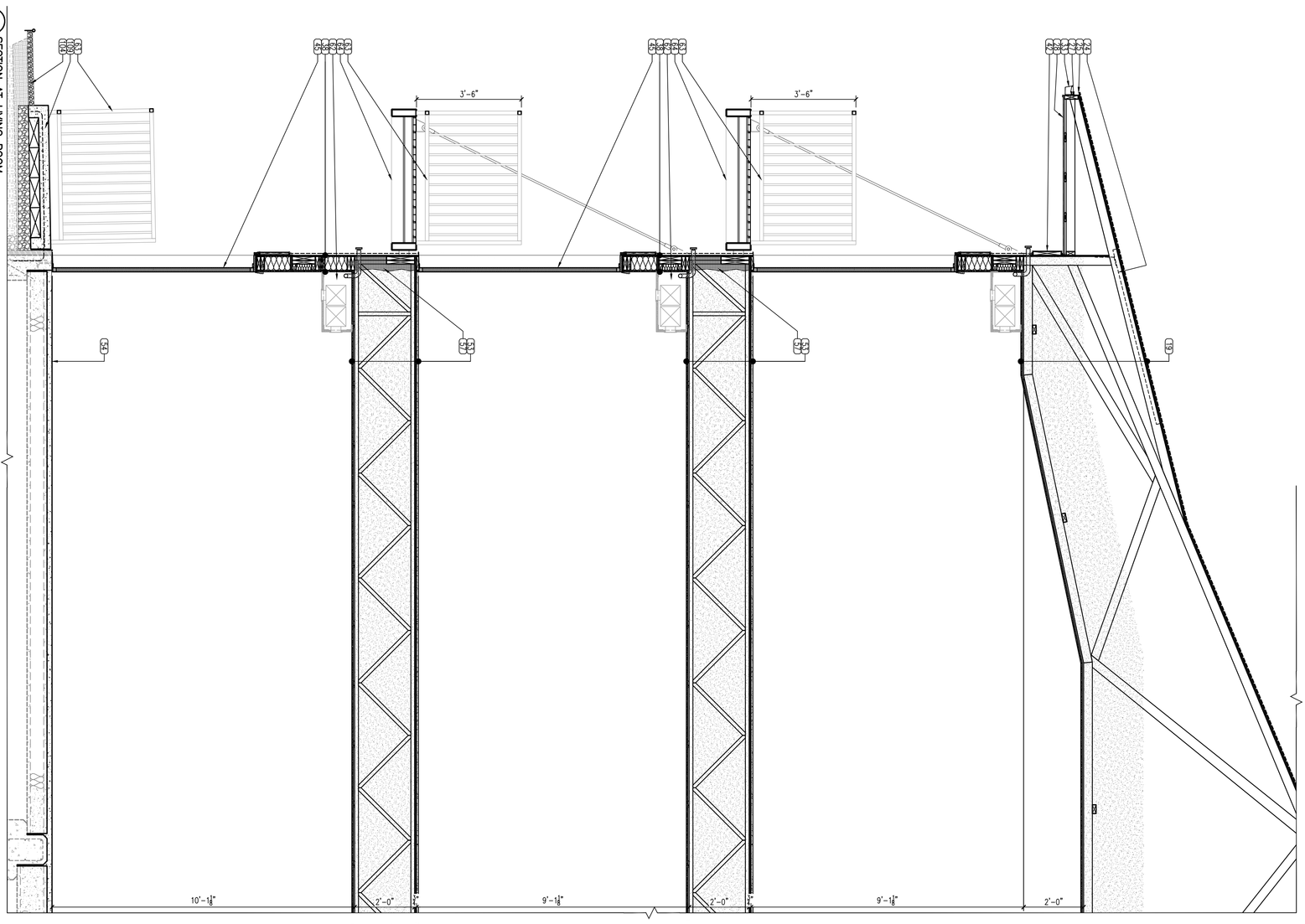
APARTMENT PHASE

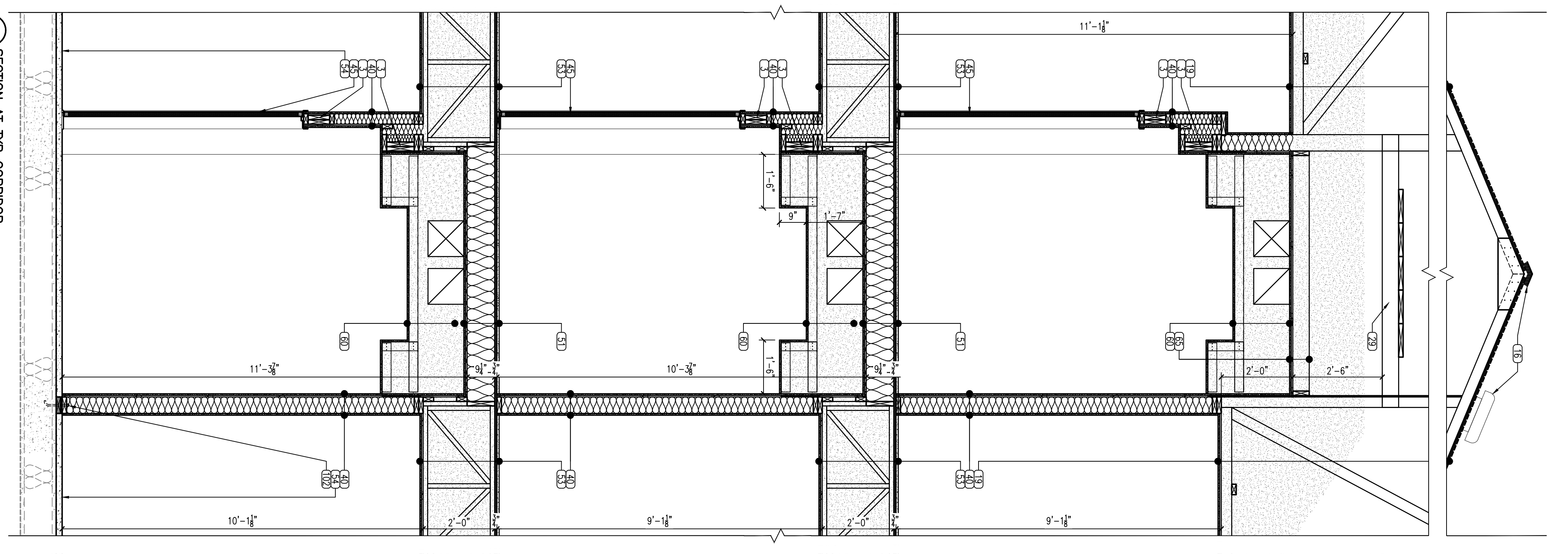
Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
SECTIONS - STAIR

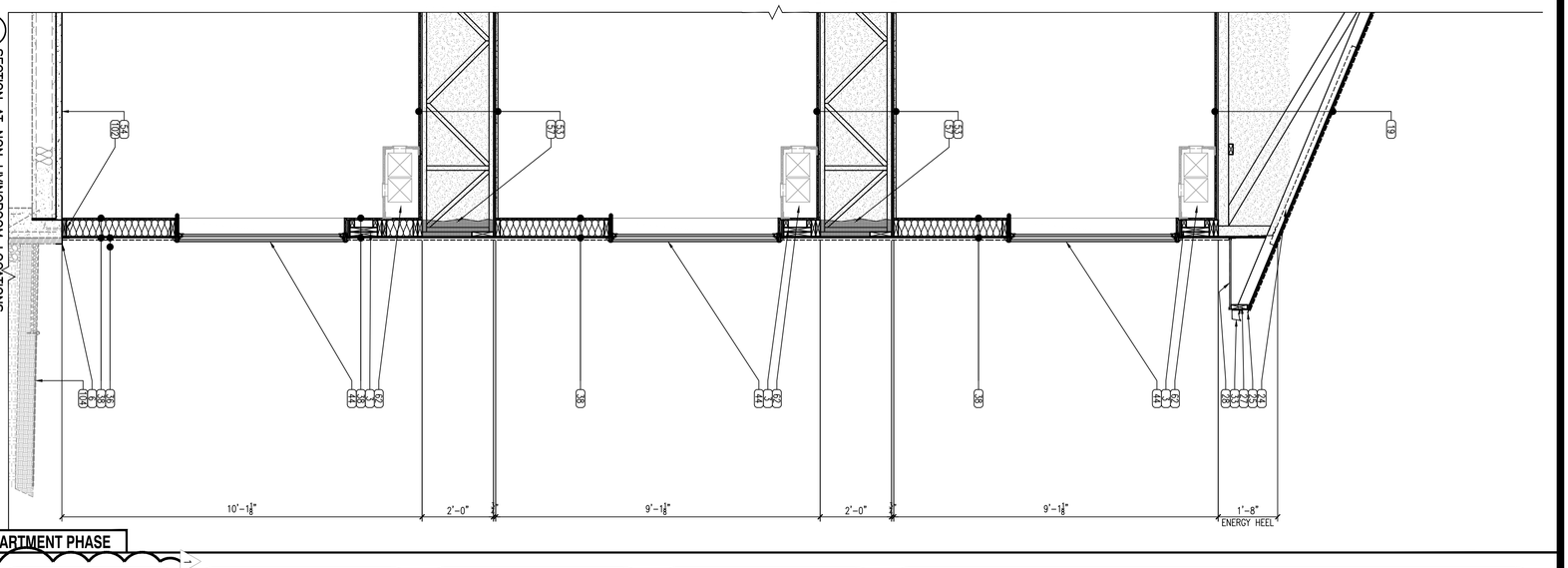
A-302



3 SECTION AT LIVING ROOM
1/2" = 1'-0"



2 SECTION AT TYP CORRIDOR
1/2" = 1'-0"



1 SECTION AT NON LIVINGROOM LOCATIONS
1/2" = 1'-0"

APARTMENT PHASE

SHEET NAME: SECTIONS - TYP. WALLS
SHEET NO.: A-303

Project
2401

Date
06/27/2024

Scale
AS INDICATED

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
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No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22 2024

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

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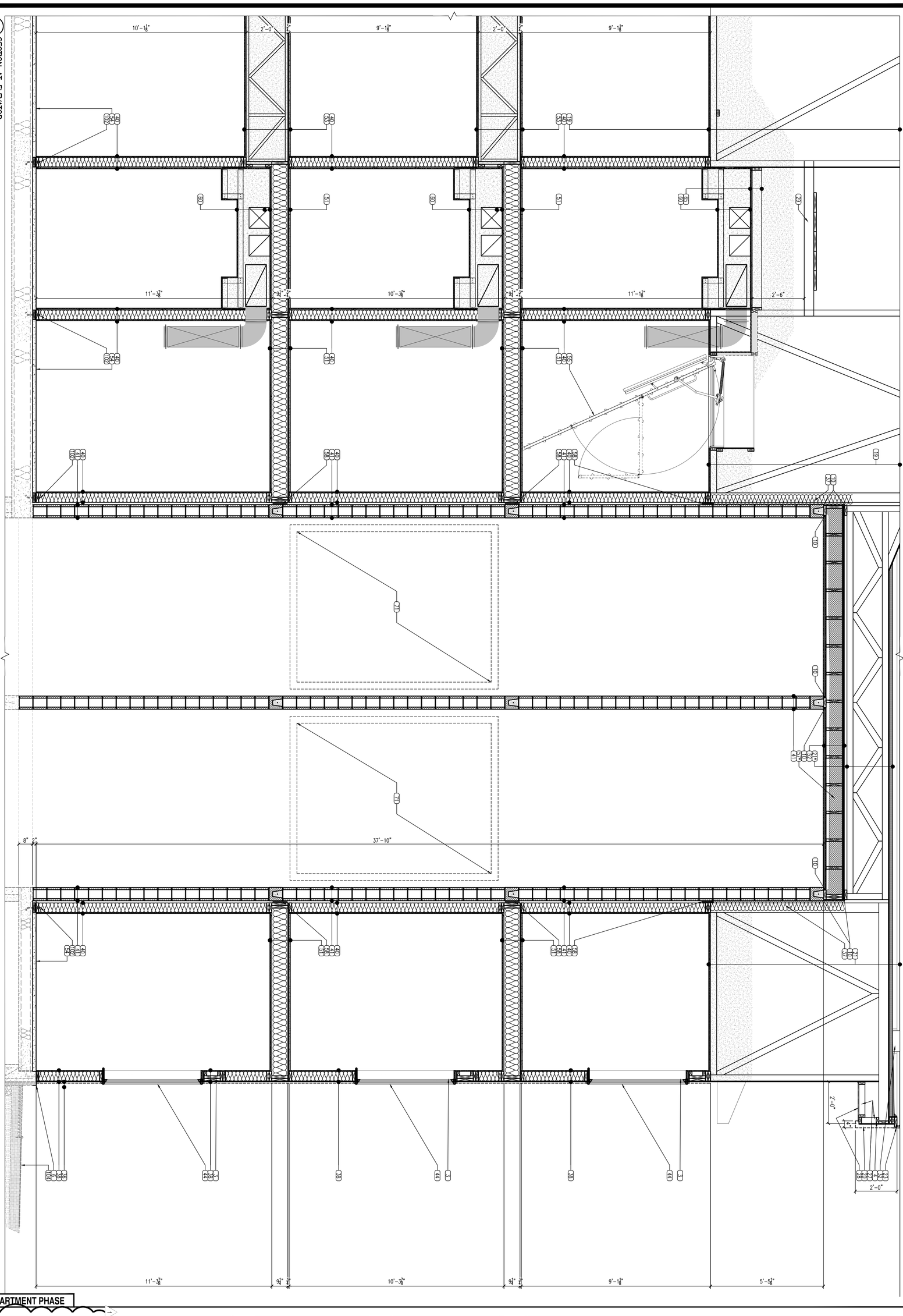
BP 03: Addendum 02 Drawings



1 SECTION AT ELEVATOR
1/2" = 1'-0"

APARTMENT PHASE

SECTIONS - ELEVATOR

A-304

Project
2401

Date
06/27/2024

Scale
AS INDICATED

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
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CHRIS KOEPP
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No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22 2024

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BP 03: Addendum 02 Drawings

2 SECTION AT TRASH
1/2" = 1'-0"

1 SECTION AT ENTRY CANOPY
1/2" = 1'-0"

4 SECTION AT MOVE–IN CANOPY
1/2" = 1'-0"

3 SECTION AT COVERED PATIO
1/2" = 1'-0"

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BP 03: Addendum 02 Drawings

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ST CLOUD, MN 56303
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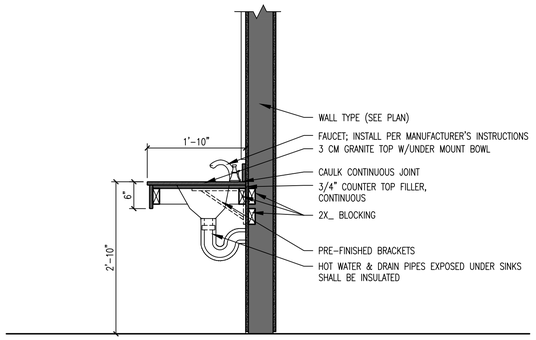
APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED

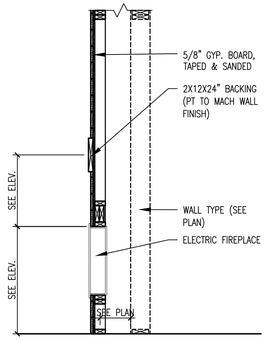
Sheet
SECTIONS - ENTRY CANOPY

A-305

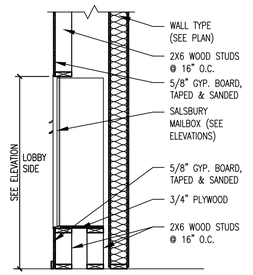
- OF -



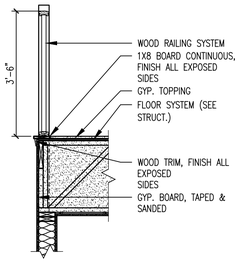
7 ADA – RESTROOM SINK
3/4" = 1'-0"



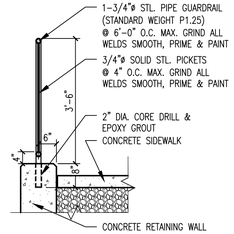
6 FIREPLACE SECTION
1/2" = 1'-0"



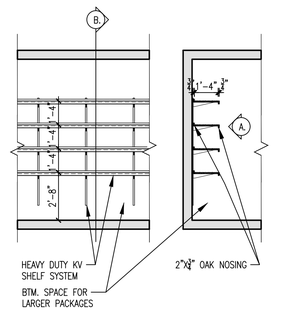
5 MAILBOX SECTION
1/2" = 1'-0"



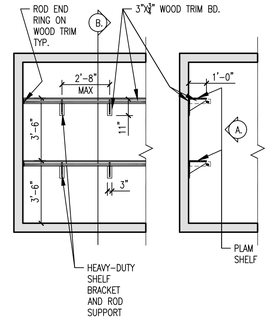
4 RAILING SECTION
1/2" = 1'-0"



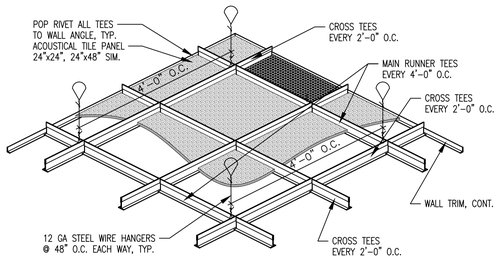
3 MTL. GUARDRAIL DETAIL
1/2" = 1'-0"



A. SAMPLE ELEV. B. SECTION
2 STORAGE SHELVING DETAIL
1/4" = 1'-0"



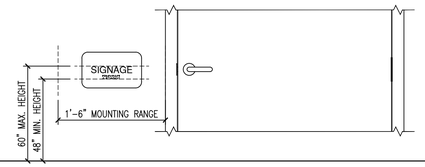
A. SAMPLE ELEV. B. SECTION
1 UNIT CLOSET SHELVING DETAIL
1/4" = 1'-0"



11 ACOUSTICAL CEILING DETAIL
1" = 1'-0"

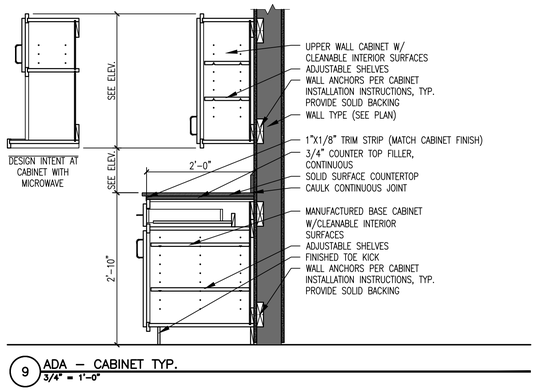
SEE 2020 MN ACCESSIBILITY CODE 703 FOR CLARIFICATION

- THE UPPERCASE LETTER 'I' SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS OF A FONT. THE HEIGHT OF THE UPPERCASE LETTER 'I' OF THE FONT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER, SHALL BE 5/8 INCH MINIMUM, AND 2 INCHES MAXIMUM.
- THE UPPERCASE LETTER 'O' SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER 'O' OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE 'I' OF THE FONT.
- ALL LETTER/NUMERALS TO BE 1/32" RAISED UPPER CASE, SANS SERIF.
- ALL BRAILLE TO BE 3/16", GRADE TWO, RAISED BRAILLE.

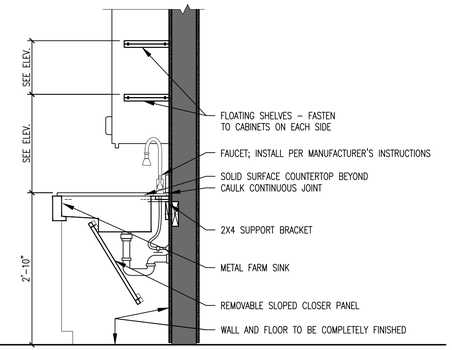


- CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH.
- CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.

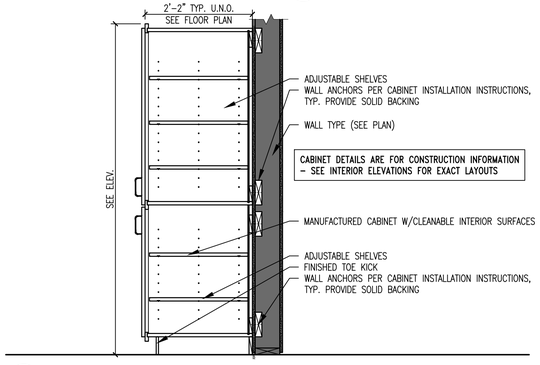
10 ROOM SIGNAGE
1" = 1'-0"



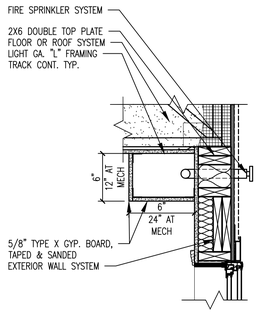
9 ADA – CABINET TYP.
3/4" = 1'-0"



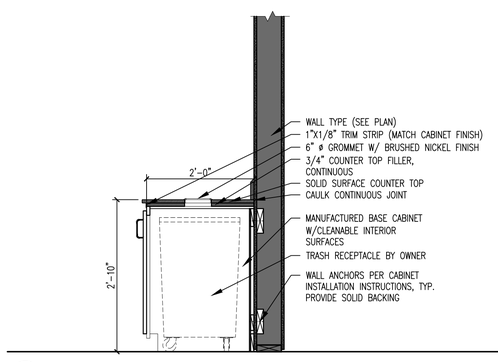
8 ADA – SINK BASE
3/4" = 1'-0"



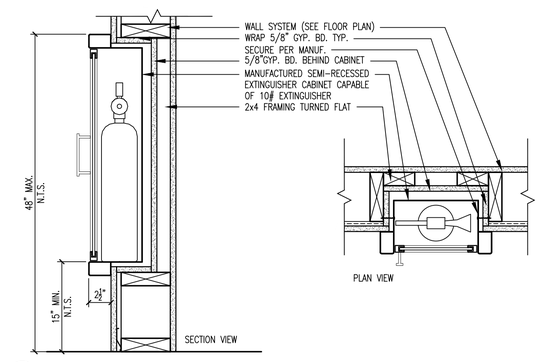
15 TALL CABINET SECTION
3/4" = 1'-0"



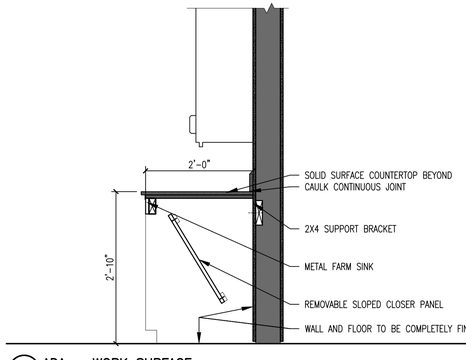
14 SPRINKLER & MECH. SOFFIT DETAIL
1" = 1'-0"



13 ADA – TRASH CABINET
3/4" = 1'-0"



12 FIRE EXTINGUISHER CABINET DETAIL
1 1/2" = 1'-0"



17 ADA – WORK SURFACE
3/4" = 1'-0"

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BP 03: Addendum 02 Drawings

Project Name and Address
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APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet INTERIOR DETAILS
A-401

****** FOR SOUND ISOLATION DETAILS AT ALL WALL TERMINATIONS (TOP, BOTOM & EDGES) & PENETRATIONS - SEE PAGE A-401.3 ******

GENERAL UL ASSEMBLY NOTE:

ALL FASTENER NOTES ARE UL MINIMUMS. SEE STRUCTURAL DRAWINGS FOR REQUIRED FASTENERS, FASTENER SPACING, & FASTENER SIZE

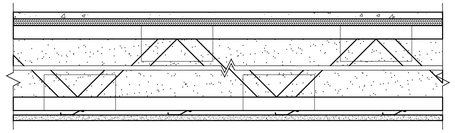
4 FLOOR/CEILING — AS NOTED

FIRE HR RATING	1 HR.	SCALE: 1-1/2" = 1'-0"
FIRE TEST	UL: L558	
STC RATING	58	

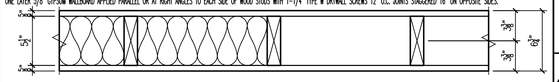
FLOOR:
TRUSSES SUPPORTING WOOD STRUCTURAL PANEL SUBFLOOR (SEE STRUCTURE FOR SIZE), LONG EDGES T & G, APPLIED AT RIGHT ANGLES TO TRUSSES WITH CONSTRUCTION ADHESIVE AND 6D RING SHANK NAILS 12" O.C. 3/4" GYPSUM FLOOR TOPPING.

STRUCTURE:
PARALLEL CHORD WOOD TRUSSES (SEE STRUCTURE FOR SIZE AND SPACING). FILL CAVITY WITH GLASS FIBER OR MINERAL FIBER BATT OR LOOSE FILL INSULATION APPLIED DIRECTLY OVER GYPSUM BOARD.

CEILING:
ONE LAYER 5/8" TYPE X GYPSUM BOARD APPLIED AT RIGHT ANGLES TO RESILIENT FURRING CHANNELS 12" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. GYPSUM BOARD END JOINTS ATTACHED WITH SCREWS 8" O.C. TO ADDITIONAL PIECES OF CHANNEL 60" LONG LOCATED 3" BACK ON EITHER SIDE OF END JOINT. RESILIENT CHANNELS APPLIED AT RIGHT ANGLES TO PARALLEL CHORD WOOD TRUSSES WITH 1-1/4" TYPE S OR W SCREWS.



FRAMING & INSULATION:
@ TYPE (U3.NR.6) – 2 X 6 WOOD STUDS 16" O.C.
@ TYPE (U3.R.6A) – 2 X 6 WOOD STUDS 16" O.C. WITH 5" FIBER INSULATION, 2.0 OR 2.3 PCF, IN STUD SPACE.
BASE SIDE:
ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C.
OPPOSITE SIDE:
ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. JOINTS STAGGERED 16" ON OPPOSITE SIDES.



U3.NR.6

FIRE HR RATING	NOT RATED
FIRE TEST	N/A
STC RATING	35

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

U3.R.6.A

FIRE HR RATING	1 HOUR
FIRE TEST	UL: 305
STC RATING	56

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

3 FLOOR/CEILING — AS NOTED

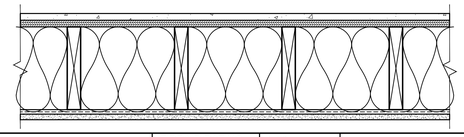
FIRE HR RATING	1 HR.
FIRE TEST	UL: L514
STC RATING	58

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

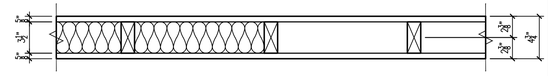
FLOOR:
WOOD JOISTS SUPPORTING WOOD STRUCTURAL PANEL SUBFLOOR (SEE STRUCTURE FOR SIZE), LONG EDGES T & G, APPLIED AT RIGHT ANGLES TO TRUSSES WITH CONSTRUCTION ADHESIVE AND 6D RING SHANK NAILS 12" O.C. 3/4" GYPSUM FLOOR TOPPING.

STRUCTURE:
WOOD JOISTS (SEE STRUCTURE FOR SIZE AND SPACING). FILL CAVITY WITH GLASS FIBER OR MINERAL FIBER BATT OR LOOSE FILL INSULATION APPLIED DIRECTLY OVER GYPSUM BOARD.

CEILING:
ONE LAYER 1/2" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO RESILIENT FURRING CHANNELS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 12" O.C. GYPSUM BOARD END JOINTS LOCATED MIDWAY BETWEEN CONTINUOUS CHANNELS AND ATTACHED TO ADDITIONAL PIECES OF CHANNEL 54" LONG WITH SCREWS 12" O.C. RESILIENT FURRING CHANNELS APPLIED AT RIGHT ANGLES TO WOOD JOISTS 16" O.C. WITH 1-1/4" TYPE W DRYWALL SCREWS.



FRAMING & INSULATION:
@ TYPE (U3.NR.4) – 2 X 4 WOOD STUDS 16" O.C.
@ TYPE (U3.R.4.A) – 2 X 4 WOOD STUDS 16" O.C. WITH 3" FIBER INSULATION, 2.0 OR 2.3 PCF, IN STUD SPACE.
BASE SIDE:
ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C.
OPPOSITE SIDE:
ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. JOINTS STAGGERED 16" ON OPPOSITE SIDES.



U3.NR.4

FIRE HR RATING	NOT RATED
FIRE TEST	N/A
STC RATING	35

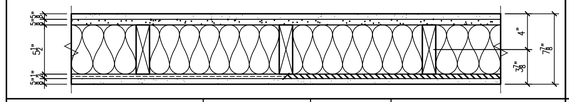
SCALE: 1-1/2" = 1'-0"

U3.R.4.A

FIRE HR RATING	1 HOUR
FIRE TEST	UL: 305
STC RATING	56

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

FRAMING & INSULATION:
2 X 6 WOOD STUDS 16" O.C. WITH 5" DENIM SOUND INSULATION, 2.0 OR 2.3 PCF, IN STUD SPACE.
BASE SIDE:
2 LAYERS 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES. ONE LAYER 5/8" GYPSUM BD STAGGER 24" FROM PREVIOUS LAYER APPLIED AT RIGHT ANGLES TO STUDS WITH 2" TYPE W DRYWALL SCREWS.
OPPOSITE SIDE:
RESILIENT CHANNELS (SHEER PANEL IN LIEU OF R.C. AS INDICATED BY STRUCT) 24" O.C. ATTACHED AT RIGHT ANGLES TO ONE SIDE OF WOOD STUDS WITH 1-1/4" TYPE S DRYWALL SCREWS.
ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED PARALLEL TO CHANNELS WITH 1" TYPE S DRYWALL SCREWS 12" O.C. END JOINTS BACKBLOCKED WITH RESILIENT CHANNELS.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING REQUIREMENTS. FASTENING REQUIREMENT SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.



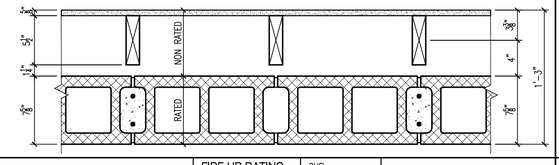
U3.R.5.B

FIRE HR RATING	1 HR.
FIRE TEST	UL: U311
STC RATING	50-54

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

RATED WALL:
NOMINAL 8" CONCRETE BLOCKS (CLASSIFICATION D-1) LAID IN FULL BED OF MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED. REINFORCE PER STRUCTURAL DESIGN.

---AIR SPACE----
NON RATED WALL:
2 X 6 WOOD STUDS 16" O.C. (ALTERNATE STUDS SIZE MAY BE USED SO THAT GYP. BOARD IS FLUSH WITH ADJACENT WALL FINISHES.)
OPPOSITE SIDE:
ONE LAYER OF SHEAR PANEL ATTACHED DIRECTLY TO SUTDS AS INDICATED BY STRUCTURAL DRAWINGS.
ONE LAYER OF 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C.



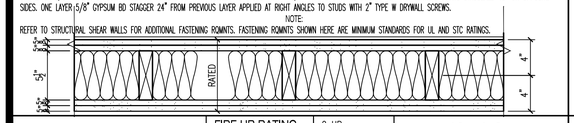
U9.R.8

FIRE HR RATING	2HR
FIRE TEST	UL: U905
STC RATING	50

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

RATED WALL:
2 X 6 WOOD STUDS 16" O.C. WITH 5" BATT INSULATION, (SEE ENERGY CODE COMPLIANCE CERTIFICATE ON PAGE CS-102), IN STUD SPACE.
BASE SIDE:
ONE LAYER 5/8" TYPE X EXTERIOR GYP. SHEATHING APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES. ONE LAYER 5/8" TYPE X EXTERIOR GYP. SHEATHING 24" FROM PREVIOUS LAYER APPLIED AT RIGHT ANGLES TO STUDS WITH 2" TYPE W DRYWALL SCREWS.

APPLY EXTERIOR FINISH – SEE EXTERIOR ELEVATIONS FOR TYPE AND LOCATION
OPPOSITE SIDE:
ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES. ONE LAYER 5/8" GYPSUM BD STAGGER 24" FROM PREVIOUS LAYER APPLIED AT RIGHT ANGLES TO STUDS WITH 2" TYPE W DRYWALL SCREWS.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING RQMNTS. FASTENING RQMNTS SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.



U3.R.5.C

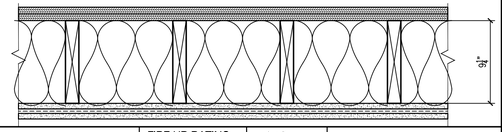
FIRE HR RATING	2 HR.
FIRE TEST	UL: U301
STC RATING	62

SCALE: 1-1/2" = 1'-0"
RATED WALL IS PROTECTED FROM FIRE FROM BOTH SIDES.

FLOOR:
WOOD JOISTS SUPPORTING WOOD STRUCTURAL PANEL SUBFLOOR (SEE STRUCTURE FOR SIZE), LONG EDGES T & G, APPLIED AT RIGHT ANGLES TO TRUSSES WITH CONSTRUCTION ADHESIVE AND 6D RING SHANK NAILS 12" O.C. (FINAL LAYER) 3/4" PLYWOOD (STAGER JOINTS.

STRUCTURE:
WOOD JOISTS (SEE STRUCTURE FOR SIZE AND SPACING). FILL CAVITY WITH GLASS FIBER OR MINERAL FIBER BATT OR LOOSE FILL INSULATION APPLIED DIRECTLY OVER GYPSUM BOARD.

CEILING:
ONE LAYER 1/2" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO WOOD JOISTS
ONE LAYER 1/2" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO RESILIENT FURRING CHANNELS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 12" O.C. GYPSUM BOARD END JOINTS LOCATED MIDWAY BETWEEN CONTINUOUS CHANNELS AND ATTACHED TO ADDITIONAL PIECES OF CHANNEL 54" LONG WITH SCREWS 12" O.C. RESILIENT FURRING CHANNELS APPLIED AT RIGHT ANGLES TO WOOD JOISTS 16" O.C. WITH 1-1/4" TYPE W DRYWALL SCREWS.

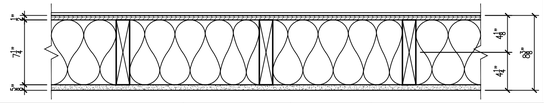


2 STAIR/ELEVATOR/SHAFT LID — AS NOTED

FIRE HR RATING	2 HR.
FIRE TEST	UL: L505
STC RATING	58

SCALE: 1-1/2" = 1'-0"
RATED WALL IS PROTECTED FROM FIRE FROM BOTH SIDES.

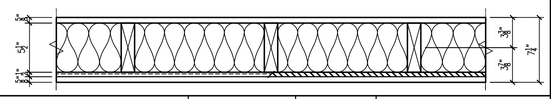
FRAMING & INSULATION:.
2 X 8 WOOD STUDS (OR LVL EQUIVALENT) (SEE STRUCT.) 16" O.C. FILL STUD SPACE WITH INSULATION
BASE SIDE:
WOOD STRUCTURAL PANEL SHEATHING – MIN 7/16 IN. THICK, 4 FT WIDE WOOD STRUCTURAL PANELS, INSTALLED WITH LONG DIMENSION OF SHEET (STRENGTH AXIS) OR FACE GRAIN OF PLYWOOD PARALLEL WITH OR PERPENDICULAR TO STUDS. VERTICAL JOINTS CENTERED ON STUDS. HORIZONTAL JOINTS BACKED WITH NOM 2 BY 4 IN. WOOD BLOCKING, ATTACHED TO STUDS ON EXTERIOR SIDE OF WALL WITH 6D CEMENT COATED BOX NAILS SPACED 6 IN. OC AT PERIMETER OF PANELS AND 12 IN. OC ALONG INTERIOR STUDS. APPLY EXTERIOR FINISH – SEE EXTERIOR ELEVATIONS FOR TYPE AND LOCATION
OPPOSITE SIDE:
ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. JOINTS STAGGERED 16" ON OPPOSITE SIDES.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING REQUIREMENTS. FASTENING REQUIREMENT SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.



6 TYP. EXTERIOR WALL SYSTEM — AS NOTED

FIRE HR RATING	1 HR.	SCALE: 1-1/2" = 1'-0"
FIRE TEST UL: 356	MNSBC 2020 TABLE 721.1(2) ITEM 15-1.14	RATED WALL IS PROTECTED FROM FIRE FROM INSIDE SIDE ONLY.

FRAMING & INSULATION:
OPEN FACE OF MINERAL FIBER INSULATION BLANKETS TOWARD RESILIENT CHANNEL–SIDE OF STUD SPACE.
@ TYPE (U3.R.5.A) – 2 X 6 WOOD STUDS 16" O.C. WITH 5" FIBER INSULATION, 2.0 OR 2.3 PCF, IN STUD SPACE.
BASE SIDE:
RESILIENT CHANNELS (SHEER PANEL IN LIEU OF R.C. AS INDICATED BY STRUCT) 24" O.C. ATTACHED AT RIGHT ANGLES TO ONE SIDE OF WOOD STUDS WITH 1-1/4" TYPE S DRYWALL SCREWS.
ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED PARALLEL TO CHANNELS WITH 1" TYPE S DRYWALL SCREWS 12" O.C. END JOINTS BACKBLOCKED WITH RESILIENT CHANNELS.
OPPOSITE SIDE:
5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING REQUIREMENTS. FASTENING REQUIREMENT SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.



U3.R.5.A

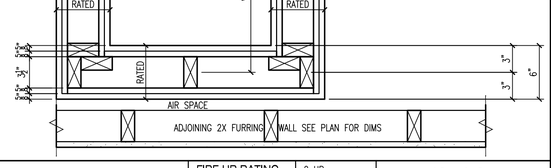
FIRE HR RATING	1 HR.
FIRE TEST	UL: U311
STC RATING	50-54

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

RATED SHAFT WALL:
(2) LAYERS 5/8" TYPE X GYPSUM SQUARE EDGE WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2 X 4 WOOD STUDS 16" O.C. WITH 6D COATED NAILS, 1-7/8" LONG, 0.0915" SHANK, ¼" HEADS, 7" O.C.

---AIR SPACE----
ADJOINING WALL SYSTEM SEE PLAN

RATED SHAFT LID:
EXTEND SHAFT INTO ATTIC AS REQUIRED FOR ACCESS TO EQUIPMENT, AND PROVIDE LID PER STAIR/ELEVATOR/SHAFT LID (DETAIL 2), OR EXTEND SHAFT WALLS TO UNDERSIDE OF ROOF SHEATHING.



U3.R.4.C

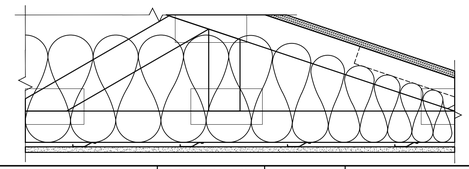
FIRE HR RATING	2 HR.
FIRE TEST	UL: U301
STC RATING	62

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

ROOF:
TRUSSES SUPPORTING PLYWOOD OR OSB ROOF SHEATHING (SEE STRUCTURE FOR SIZE) APPLIED AT RIGHT ANGLES TO TRUSSES WITH CONSTRUCTION ADHESIVE AND 6D RING SHANK NAILS 12" O.C.

STRUCTURE:
PITCHED WOOD TRUSSES 24" O.C. GLASS FIBER OR MINERAL FIBER BATT OR LOOSE FILL INSULATION APPLIED DIRECTLY OVER GYPSUM BOARD.

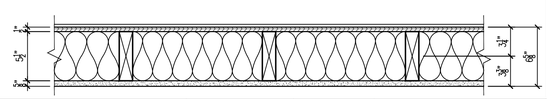
CEILING:
ONE LAYER 5/8" TYPE X GYPSUM BOARD APPLIED AT RIGHT ANGLES TO RESILIENT FURRING CHANNELS 12" O.C. WITH 1-1/8" TYPE S DRYWALL SCREWS 8" O.C. GYPSUM BOARD END JOINTS ATTACHED WITH SCREWS 8" O.C. TO ADDITIONAL PIECES OF CHANNEL 60" LONG LOCATED 3" BACK ON EITHER SIDE OF END JOINT. RESILIENT CHANNELS APPLIED AT RIGHT ANGLES TO BOTTOM CHORD OF PITCHED WOOD TRUSSES WITH 1-1/4" TYPE S OR W SCREWS.



1 CEILING/ATTIC — AS NOTED

FIRE HR RATING	1 HR.	SCALE: 1-1/2" = 1'-0"
FIRE TEST	UL: P531	
STC RATING	N/A	

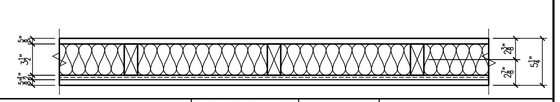
FRAMING & INSULATION:.
2 X 6 WOOD STUDS 16" O.C. FILL STUD SPACE WITH INSULATION
BASE SIDE:
WOOD STRUCTURAL PANEL SHEATHING – MIN 7/16 IN. THICK, 4 FT WIDE WOOD STRUCTURAL PANELS, INSTALLED WITH LONG DIMENSION OF SHEET (STRENGTH AXIS) OR FACE GRAIN OF PLYWOOD PARALLEL WITH OR PERPENDICULAR TO STUDS. VERTICAL JOINTS CENTERED ON STUDS. HORIZONTAL JOINTS BACKED WITH NOM 2 BY 4 IN. WOOD BLOCKING, ATTACHED TO STUDS ON EXTERIOR SIDE OF WALL WITH 6D CEMENT COATED BOX NAILS SPACED 6 IN. OC AT PERIMETER OF PANELS AND 12 IN. OC ALONG INTERIOR STUDS. APPLY EXTERIOR FINISH – SEE EXTERIOR ELEVATIONS FOR TYPE AND LOCATION
OPPOSITE SIDE:
ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. JOINTS STAGGERED 16" ON OPPOSITE SIDES.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING REQUIREMENTS. FASTENING REQUIREMENT SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.



5 TYP. EXTERIOR WALL SYSTEM — AS NOTED

FIRE HR RATING	1 HR.	SCALE: 1-1/2" = 1'-0"
FIRE TEST UL: 356	MNSBC 2020 TABLE 721.1(2) ITEM 15-1.14	RATED WALL IS PROTECTED FROM FIRE FROM INSIDE SIDE ONLY.

FRAMING & INSULATION:
OPEN FACE OF FIBER INSULATION BLANKETS TOWARD RESILIENT CHANNEL–SIDE OF STUD SPACE.
@ TYPE (U3.R.3.A) – 2 X 4 WOOD STUDS 16" O.C. WITH 3" FIBER INSULATION, 2.0 OR 2.3 PCF, IN STUD SPACE.
BASE SIDE:
RESILIENT CHANNELS 24" O.C. ATTACHED AT RIGHT ANGLES TO ONE SIDE OF WOOD STUDS WITH 1-1/4" TYPE S DRYWALL SCREWS.
ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED PARALLEL TO CHANNELS WITH 1" TYPE S DRYWALL SCREWS 12" O.C. END JOINTS BACKBLOCKED WITH RESILIENT CHANNELS.
OPPOSITE SIDE:
5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING REQUIREMENTS. FASTENING REQUIREMENT SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.



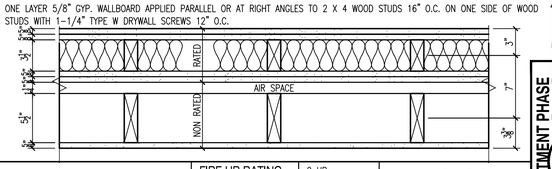
U3.R.3.A

FIRE HR RATING	1 HR.
FIRE TEST	UL: U311
STC RATING	50-54

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

RATED WALL:
2 X 4 WOOD STUDS 16" O.C. WITH 3" BATT INSULATION, 2.0 OR 2.3 PCF, IN STUD SPACE.
BASE SIDE:
ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES. ONE LAYER 5/8" GYPSUM BD STAGGER 24" FROM PREVIOUS LAYER APPLIED AT RIGHT ANGLES TO STUDS WITH 2" TYPE W DRYWALL SCREWS.
OPPOSITE SIDE:
ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C. VERTICAL JOINTS STAGGERED 48" ON OPPOSITE SIDES. ONE LAYER 5/8" GYPSUM BD STAGGER 24" FROM PREVIOUS LAYER APPLIED AT RIGHT ANGLES TO STUDS WITH 2" TYPE W DRYWALL SCREWS.
NOTE:
REFER TO STRUCTURAL SHEAR WALLS FOR ADDITIONAL FASTENING RQMNTS. FASTENING RQMNTS SHOWN HERE ARE MINIMUM STANDARDS FOR UL AND STC RATINGS.

---AIR SPACE----
NON RATED WALL:
ONE LAYER 5/8" GYP. WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO 2 X 4 WOOD STUDS 16" O.C. ON ONE SIDE OF WOOD STUDS WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C.



U3.R.4.B

FIRE HR RATING	2 HR.
FIRE TEST	UL: U301
STC RATING	62

SCALE: 1-1/2" = 1'-0"
RATED WALL IS PROTECTED FROM FIRE FROM BOTH SIDES.

MAHLER & ASSOCIATES ARCHITECTURE
5150 Manson Drive Suite Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

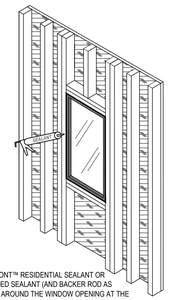
No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
: CHRIS KOEPP (320) 253-2411

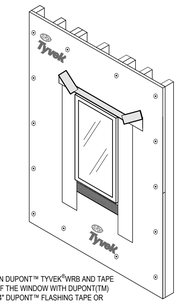
APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet WALL TYPES
A-401.1



STEP 17

A. INSTALL DUPONT™ RESIDENTIAL SEALANT OR RECOMMENDED SEALANT (AND BACKER ROD AS NECESSARY) AROUND THE WINDOW OPENING AT THE INTERIOR. IT IS ALSO ACCEPTABLE TO USE DUPONT™ WINDOW AND DOOR FOAM OR RECOMMENDED FOAM AT THE INTERIOR CAVITY OF THE JAMBS AND HEAD. IF FOAM IS USED AT THE SILL, RECOMMENDED SEALANT SHOULD BE USED AT THE SILL AREA BEHIND THE FOAM TO ENSURE A PROPER WATER SEAL.

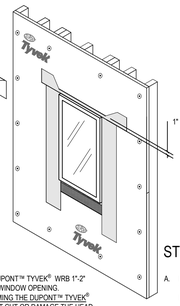


STEP 16

A. TAPE ALL CUTS IN DUPONT™ TYVEK®WRB AND TAPE ACROSS HEAD OF THE WINDOW WITH DUPONT(TM) TYVEK(R) TAPE, 4" DUPONT™ FLASHING TAPE OR DUPONT™ STRAIGHTFLASH™.

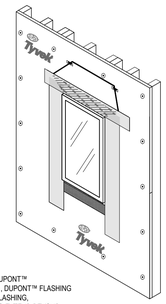
STEP 15

A. TRIM THE DUPONT™ TYVEK® WRB 1"-2" ABOVE THE WINDOW OPENING.
B. WHEN TRIMMING THE DUPONT™ TYVEK® WRB, DO NOT CUT OR DAMAGE THE HEAD FLASHING THAT HAS BEEN INSTALLED BEHIND IT.



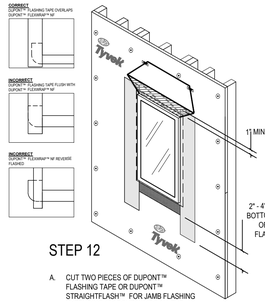
STEP 14

A. FLIP DOWN UPPER FLAP OF DUPONT™ TYVEK® WRB SO IT LAYS FLAT ACROSS THE HEAD FLASHING.



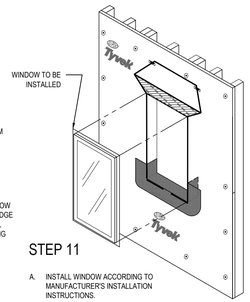
STEP 13

A. CUT A PIECE OF DUPONT™ STRAIGHTFLASH™, DUPONT™ FLASHING TAPE FOR HEAD FLASHING,
B. HEAD FLASHING TO EXTEND BEYOND OUTER EDGES OF JAMB FLASHING.
C. REMOVE RELEASE PAPER AND INSTALL COMPLETELY COVERING WINDOW MOUNTING FLANGE AND ADHERING TO THE EXPOSED SHEATHING.



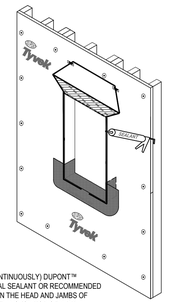
STEP 12

A. CUT TWO PIECES OF DUPONT™ FLASHING TAPE OR DUPONT™ STRAIGHTFLASH™ FOR JAMB FLASHING EXTENDING 1" ABOVE WINDOW HEAD FLANGE AND 4" TO 6" BELOW BOTTOM EDGE OF SILL FLASHING.
B. REMOVE RELEASE PAPER AND PRESS TIGHTLY ALONG SIDES OF WINDOW FRAME.



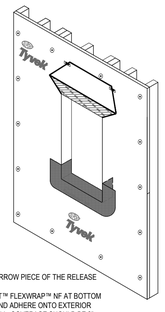
STEP 11

A. INSTALL WINDOW ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.



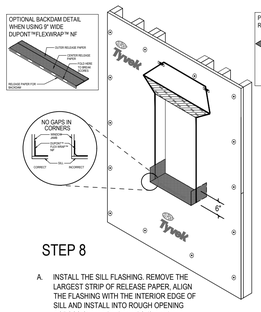
STEP 10

A. APPLY (CONTINUOUSLY) DUPONT™ RESIDENTIAL SEALANT OR RECOMMENDED SEALANT ON THE HEAD AND JAMBS OF ROUGH OPENING (ON TOP OF WRB).
B. IF SEALANT IS APPLIED TO THE SILL, ENSURE THAT THERE ARE AT LEAST TWO (2) 2" INCH GAPS IN THE SEALANT BEAD FOR EVERY 4' OF WINDOW TO ALLOW FOR DRAINAGE.



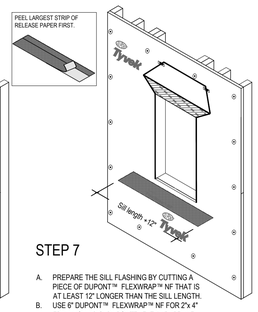
STEP 9

A. REMOVE NARROW PIECE OF THE RELEASE PAPER.
B. FAN DUPONT™ FLEXWRAP™ NF AT BOTTOM CORNERS AND ADHERE ONTO EXTERIOR FACE OF WALL. COVERAGE SHOULD BE 2" TO 3" INCHES ONTO THE FACE OF THE WALL
C. PRESS SILL FLASHING W/ FIRM HAND PRESSURE OR J-ROLLER TO ENSURE FULL ADHESION ON ALL SURFACES.



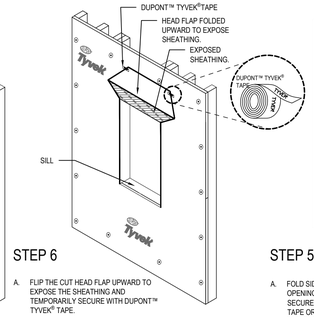
STEP 8

A. INSTALL THE SILL FLASHING. REMOVE THE LARGEST STRIP OF RELEASE PAPER. ALIGN THE FLASHING WITH THE INTERIOR EDGE OF SILL AND INSTALL INTO ROUGH OPENING ACROSS SILL AND UP JAMBS (6"MIN.).
B. APPLY WORKING FROM THE MIDDLE OF THE SILL TOWARDS THE SIDES. SECURE DUPONT™ FLEXWRAP™ NF TIGHTLY INTO THE CORNERS BY FIRST WORKING IN ALONG THE SILL BEFORE ADHERING UP THE JAMBS.
C. DO NOT STRETCH MATERIAL ALONG THE SILL OR JAMBS.



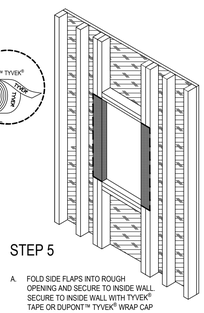
STEP 7

A. PREPARE THE SILL FLASHING BY CUTTING A PIECE OF DUPONT™ FLEXWRAP™ NF THAT IS AT LEAST 12" LONGER THAN THE SILL LENGTH.
B. USE 6" DUPONT™ FLEXWRAP™ NF FOR 2"x 4" FRAMING AND 9" DUPONT™ FLEXWRAP™ NF FOR 2"x 6" FRAMING.
C. INSPECT INSTALLATION SURFACE TO ENSURE THE SURFACE IS FREE OF DIRT AND SUBSTANCES THAT COULD INTERFERE WITH ADHESION AS WELL AS ANY SHARP PROTRUSIONS.



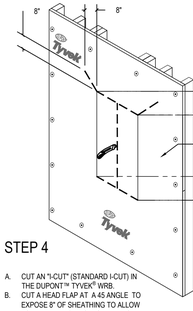
STEP 6

A. FLIP THE CUT HEAD FLAP UPWARD TO EXPOSE THE SHEATHING AND TEMPORARILY SECURE WITH DUPONT™ TYVEK® TAPE.



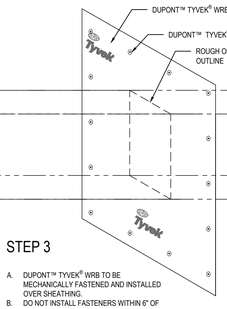
STEP 5

A. FOLD SIDE FLAPS INTO ROUGH OPENING AND SECURE TO INSIDE WALL. SECURE TO INSIDE WALL WITH TYVEK® TAPE OR DUPONT™ TYVEK® WRAP CAP FASTENERS



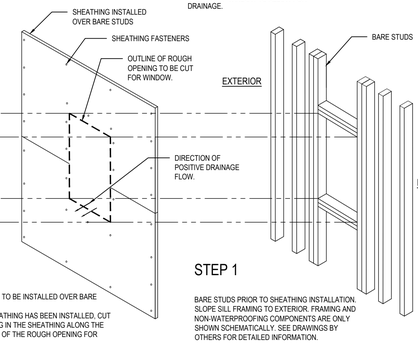
STEP 4

A. CUT AN "I-CUT" (STANDARD I-CUT) IN THE DUPONT™ TYVEK® WRB.
B. CUT A HEAD FLAP AT A 45 ANGLE TO EXPOSE 8" OF SHEATHING TO ALLOW FOR HEAD FLASHING INSTALLATION.



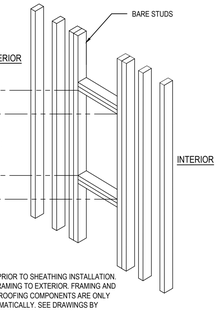
STEP 3

A. DUPONT™ TYVEK® WRB TO BE MECHANICALLY FASTENED AND INSTALLED OVER SHEATHING.
B. DO NOT INSTALL FASTENERS WITHIN 6" OF THE SILLS AND JAMBS OF THE OPENINGS AND WITHIN 9" OF OF THE HEAD OPENINGS.



STEP 2

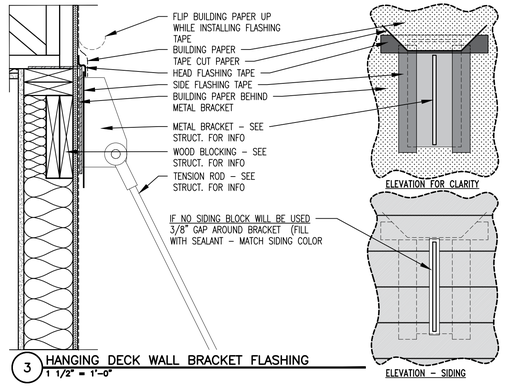
A. SHEATHING TO BE INSTALLED OVER BARE STUDS
B. AFTER SHEATHING HAS BEEN INSTALLED, CUT AN OPENING IN THE SHEATHING ALONG THE PERIMETER OF THE ROUGH OPENING FOR WINDOW.
C. ENSURE THE SHEATHING IS CUT FLUSH WITH OR SLIGHTLY BELOW THE SILL FRAMING TO ALLOW FOR POSITIVE DRAINAGE.



STEP 1

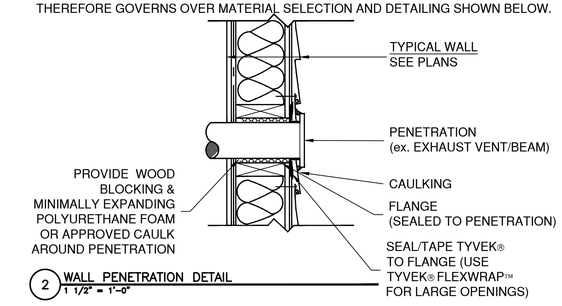
BARE STUDS PRIOR TO SHEATHING INSTALLATION. SLOPE SILL FRAMING TO EXTERIOR. FRAMING AND NON-WATERPROOFING COMPONENTS ARE ONLY SHOWN SCHEMATICALLY. SEE DRAWINGS BY OTHERS FOR DETAILED INFORMATION.

1 WINDOW FLASHING DETAILS
6" = 1'-0"



3 HANGING DECK WALL BRACKET FLASHING
1 1/2" = 1'-0"

*SEAL ALL TYVEK® JOINTS AND PENETRATIONS WITH APPROVED TAPE. (ex. DUPONT CONTRACTOR TAPE).
*FASTEN TYVEK® TO SHEATHING WITH LARGE HEAD NAILS OR USE NAILS WITH LARGE PLASTIC WASHER HEADS.(ex. DUPONT WRAPCAPS)
*LOCAL LAWS, ZONING, AND BUILDING CODES VARY AND THEREFORE GOVERNS OVER MATERIAL SELECTION AND DETAILING SHOWN BELOW.



2 WALL PENETRATION DETAIL
1 1/2" = 1'-0"

MAHLER & ASSOCIATES
ARCHITECTURE
5150 Manson Drive NW
Suite 100
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

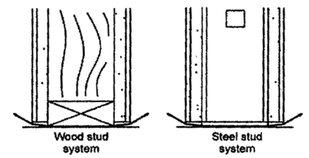
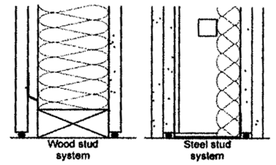
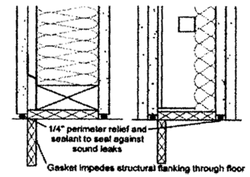
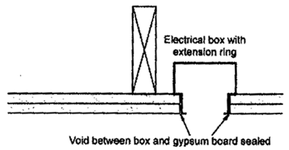
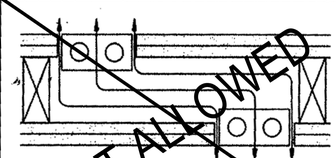
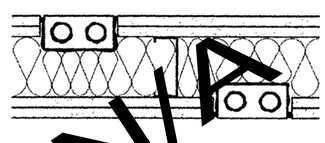
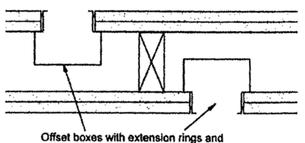
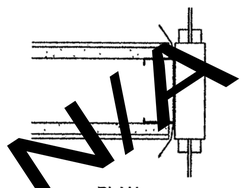
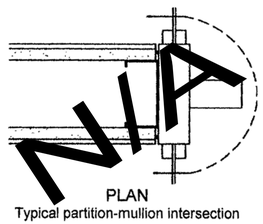
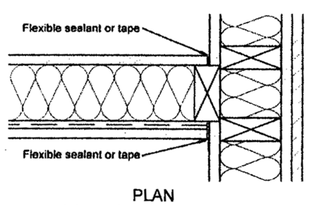
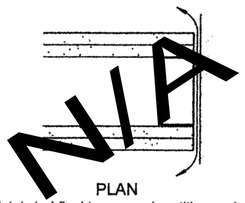
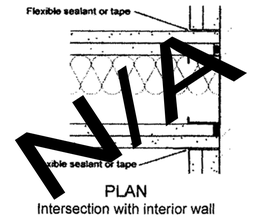
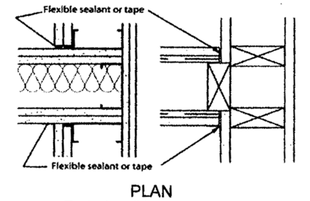
BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet BUILDING WRAP DETAILS
A-401.2

Figure 9
Sound Isolation Construction

"NORMAL" CONSTRUCTION-ARROWS SHOW FLANKING PATHS	"SELECT" CONSTRUCTION-SEALING OF RELIEF DETAIL AT PERIMETER OF PARTITION AND AROUND CUT-OUTS TO PREVENT SOUND LEAKAGE	"PRE-DESIGN" CONSTRUCTION-SIMULATED LABORATORY CONDITIONS
 ELEVATION Under and over partitions	 ELEVATION Flexible sealant	 ELEVATION
NOT ALLOWED PLAN Through-partition openings outlet boxes (Not permitted I fire-resistance rated construction)	NOT ALLOWED PLAN Sealing of openings through penetrations (Not permitted I fire-resistance rated construction)	 ELEVATION Typical floor-ceiling or roof detail
NOT ALLOWED  PLAN Through-partition openings outlet boxes (Not permitted I fire-resistance rated construction)	N/A  PLAN Boxes offset one stud space and sealing of openings though partitions	 PLAN Outlet box detail
N/A  PLAN Flanking at partition-mullion intersection	N/A  PLAN Typical partition-mullion intersection	 PLAN Intersection with exterior wall
N/A  PLAN Metal stud flanking around partition ends	N/A  PLAN Intersection with interior wall	 PLAN Typical partition intersection

1 SOUND ISOLATION DETAIL
1/4" = 1'-0"

APARTMENT PHASE

MAHLER & ASSOCIATES ARCHITECTURE
Firm Name and Address
5150 Manson Drive NW, Suite 101
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
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CHRIS KOEPP
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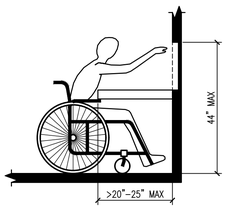
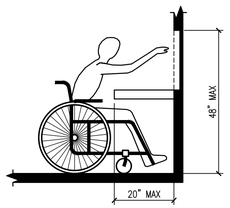
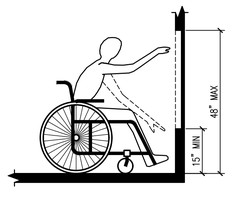
Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet SOUND ISOLATION DETAILS
A-401.3



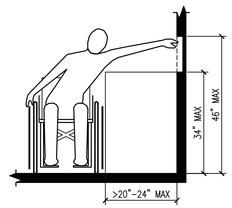
3C OBSTRUCTED HIGH FWD REACH
1/2" = 1'-0"



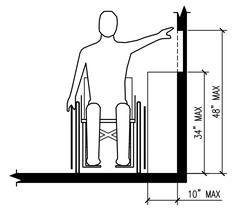
3B UNOBSTRUCTED FWD REACH
1/2" = 1'-0"



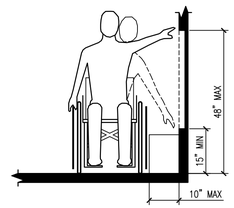
3A UNOBSTRUCTED FWD REACH
1/2" = 1'-0"



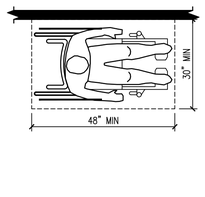
2C OBSTRUCTED HIGH SIDE REACH
1/2" = 1'-0"



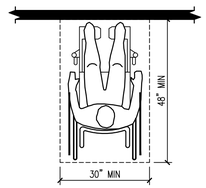
2B OBSTRUCTED HIGH SIDE REACH
1/2" = 1'-0"



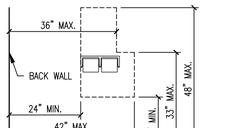
2A UNOBSTRUCTED SIDE REACH
1/2" = 1'-0"



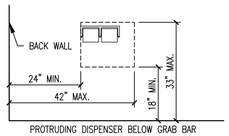
1B PARALLEL CLEAR FLOOR SPACE
1/2" = 1'-0"



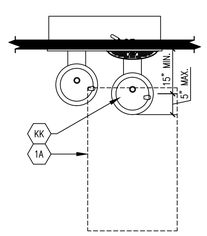
1A FWD CLEAR FLOOR SPACE
1/2" = 1'-0"



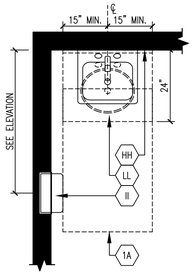
AA TOILET TISSUE DISPENSER
1/2" = 1'-0"



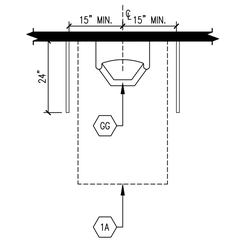
BB TOILET TISSUE DISPENSER
1/2" = 1'-0"



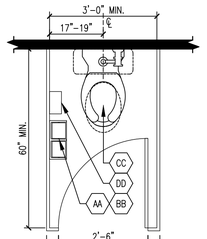
8 ACCESSIBLE DRINKING FOUNTAIN
1/2" = 1'-0"



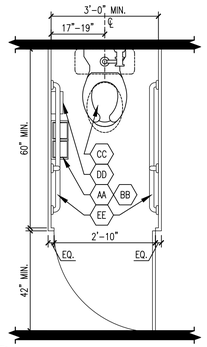
7 ACCESSIBLE LAVATORY/SINK
1/2" = 1'-0"



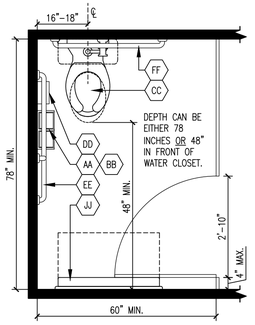
6 ACCESSIBLE URINAL
1/2" = 1'-0"



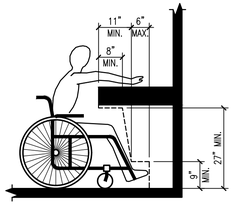
5C WATER CLOSET
1/2" = 1'-0"



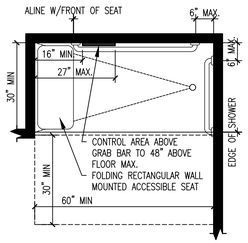
5B AMBULATORY WATER CLOSET
1/2" = 1'-0"



5A ACCESSIBLE WATER CLOSET
1/2" = 1'-0"

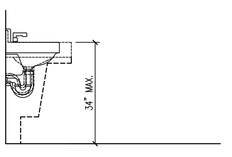


4 KNEE & TOE CLEARANCE
1/2" = 1'-0"



- GRABBARS INSTALLED 33"–36" ABOVE FLOOR TO TOP OF GRAB BAR.

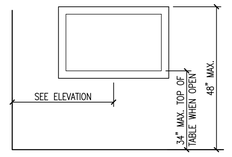
17 ROLL–IN–SHOWER – DWELLING
1/2" = 1'-0"



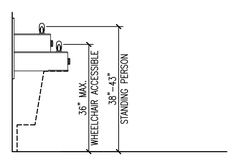
LL LAVATORY/SINK
1/2" = 1'-0"

OPERABLE PARTS OF EQUIPMENT AND APPLIANCES IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES SHALL BE PLACED WITHIN 15"–48" FOR FORWARD REACH, AND 15"–48" FOR OBSTRUCTED SIDE REACH, AND 15"–24" FOR UNOBSTRUCTED SIDE REACH. THE INCLUDES SWITCHES, PLUGS, CONTROLS, HARDWARE, ETC.

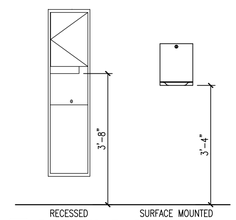
MM OPERABLE PARTS
N.T.S.



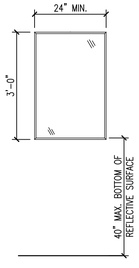
JJ DIAPER CHANGING STATION
1/2" = 1'-0"



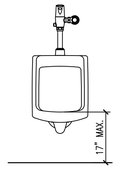
KK DRINKING FOUNTAIN
1/2" = 1'-0"



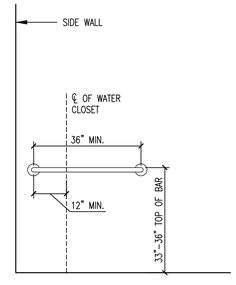
II PAPER TOWEL DISPENSER
1/2" = 1'-0"



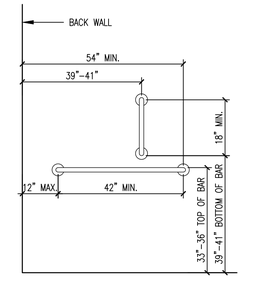
HH FRAMED MIRROR
1/2" = 1'-0"



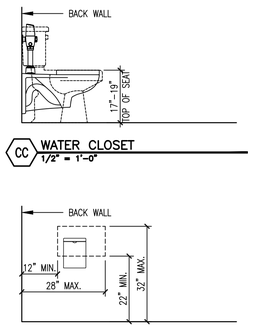
GG URINAL
1/2" = 1'-0"



FF GRAB BARS
1/2" = 1'-0"

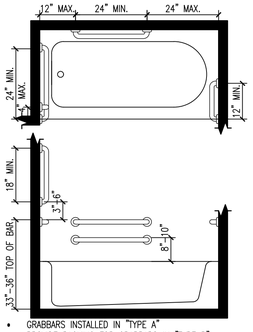


EE GRAB BARS
1/2" = 1'-0"



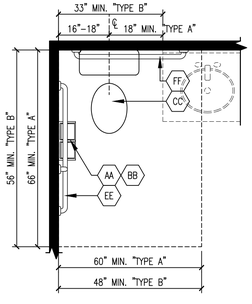
CC WATER CLOSET
1/2" = 1'-0"

DD NAPKIN DISPOSAL (WOMENS ONLY)
1/2" = 1'-0"



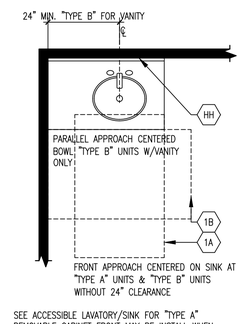
- GRABBARS INSTALLED IN "TYPE A"
- PROVIDE BACKING FOR GRABBARS IN "TYPE B"

16 TUB/SHOWER – DWELLING
1/2" = 1'-0"



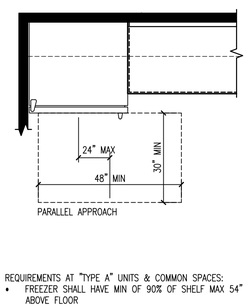
- GRABBARS INSTALLED IN "TYPE A"
- PROVIDE BACKING FOR GRABBARS IN "TYPE B"

15 WATER CLOSET – DWELLING
1/2" = 1'-0"



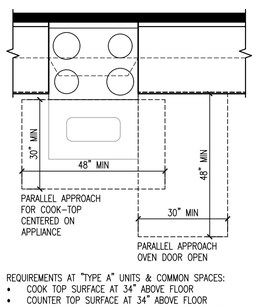
- SEE ACCESSIBLE LAVATORY/SINK FOR "TYPE A"
- REMOVABLE CABINET FRONT MAY BE INSTALL WHEN FLOOR AND WALLS BELOW CABINETRY IS FINISHED AND CONTINUOUS

14 LAVATORY – DWELLING
1/2" = 1'-0"



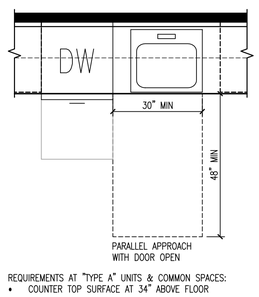
REQUIREMENTS AT "TYPE A" UNITS & COMMON SPACES:
- FREEZER SHALL HAVE MIN OF 90% OF SHELF MAX 54" ABOVE FLOOR

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



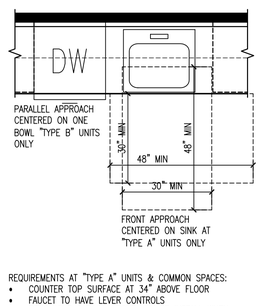
REQUIREMENTS AT "TYPE A" UNITS & COMMON SPACES:
- COOK TOP SURFACE AT 34" ABOVE FLOOR
- COUNTER TOP SURFACE AT 34" ABOVE FLOOR
- ALL CONTROLS TO BE LOCATED AT FRONT OF APPLIANCE

12 OVEN/RANGE
1/2" = 1'-0"



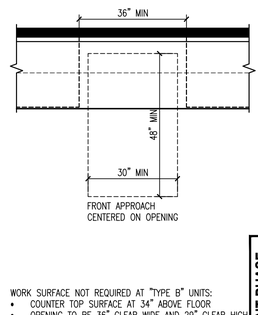
REQUIREMENTS AT "TYPE A" UNITS & COMMON SPACES:
- COUNTER TOP SURFACE AT 34" ABOVE FLOOR

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



REQUIREMENTS AT "TYPE A" UNITS & COMMON SPACES:
- COUNTER TOP SURFACE AT 34" ABOVE FLOOR
- FAUCET TO HAVE LEVER CONTROLS
- REMOVABLE CABINET FRONT MAY BE INSTALL WHEN FLOOR AND WALLS BELOW CABINETRY IS FINISHED AND CONTINUOUS

10 KITCHEN SINK
1/2" = 1'-0"



WORK SURFACE NOT REQUIRED AT "TYPE B" UNITS:
- COUNTER TOP SURFACE AT 34" ABOVE FLOOR
- OPENING TO BE 36" CLEAR WIDE AND 29" CLEAR HIGH
- REMOVABLE CABINET FRONT MAY BE INSTALL WHEN FLOOR AND WALLS BELOW CABINETRY IS FINISHED AND CONTINUOUS

9 WORK SURFACE
1/2" = 1'-0"

APARTMENT PHASE

MAHLER & ASSOCIATES
ARCHITECTURE
5150 Manson Drive
Suite D
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

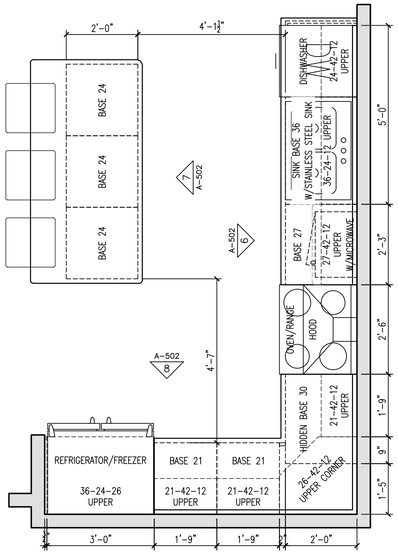
Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

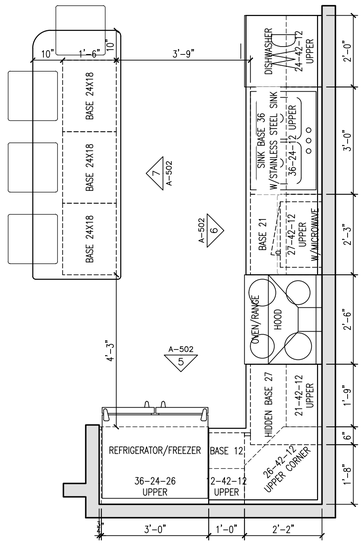
BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
: CHRIS KOEPP
(320) 253-2411

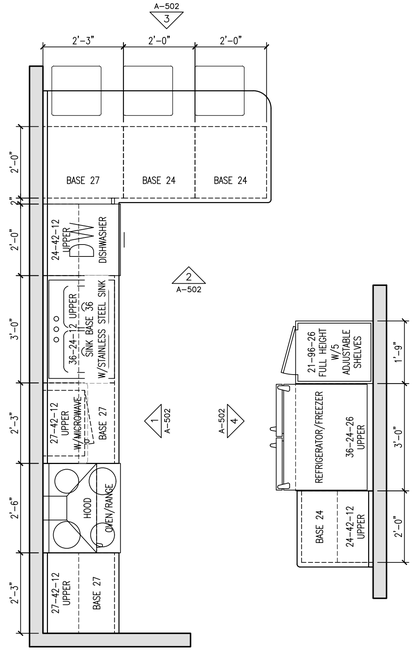
Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet ADA DETAILS
A-402



3 PENINSULA KITCHEN – (TYPE B)
1/2" = 1'-0"



2 KITCHEN AT STUDIO 2 – (TYPE B)
1/2" = 1'-0"



1 KITCHEN AT STUDIO 1 – (TYPE B)
1/2" = 1'-0"

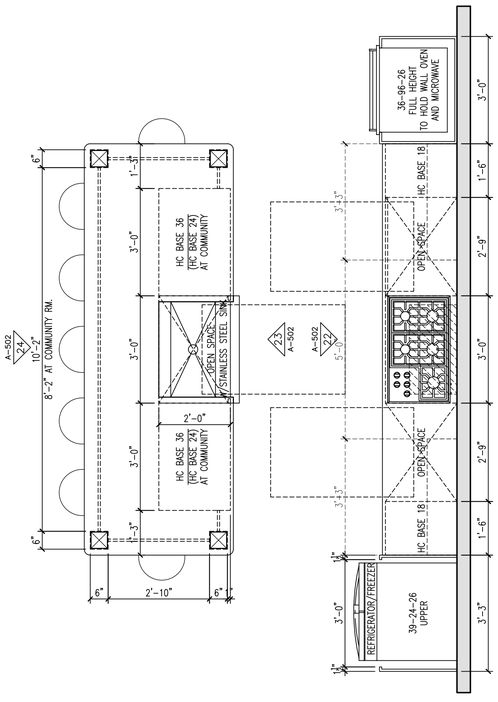
GENERAL KITCHEN NOTES

- ALL DIMENSIONS ARE FROM FACE OF INTERIOR WALL FINISH TO EDGE OF FINISHED CASEWORK.
- CONFIRM TYPE, STYLE OF ALL APPLIANCES, & FIXTURES W/ SHEET SPEC.
- 3 CM GRANITE COUNTERTOPS & ISLAND TOPS.
- HOT & COLD LINE HOSES–BRAIDED WIRE WRAP.
- ALL SHUTOFF VALVES TO BE METAL 1/4 TURN.
- ALL EXPOSED SIDE/BACK PANELS OF CABINETS TO BE SAME MATERIAL & FINISH AS CABINET FACE. INCLUDING END PANELS ADJACENT TO REFRIGERATOR.
- ALL FILLER STRIPS TO BE SAME MATERIAL & FINISH AS CABINET FACE.
- ALL UPPER & CORNER CASEWORK HAVE TOP PANEL.
- KITCHEN TYPE MAY BELONG TO MULTIPLE UNIT PLANS WITH DIFFERENT WALL CONDITIONS/LOCATIONS – SEE UNIT PLAN FOR EXACT WALL CONDITIONS
- CROWN MOLDING TYPICAL – SEE ELEVATIONS
- TILE BACKSPLASH WITH ALUM. EDGE TYPICAL – SEE ELEVATIONS

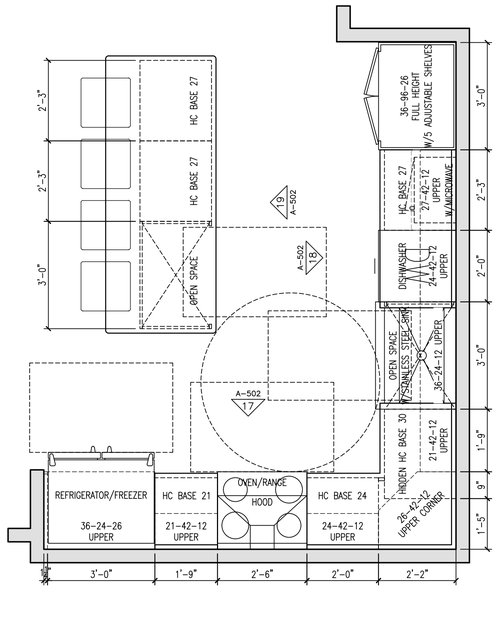
SEE A-402 FOR ADA REQUIREMENTS.

NOTE: STANDARD KITCHEN LAYOUT SHOWN. KITCHENS MIRRORED AT MIRROR UNITS, TYP.

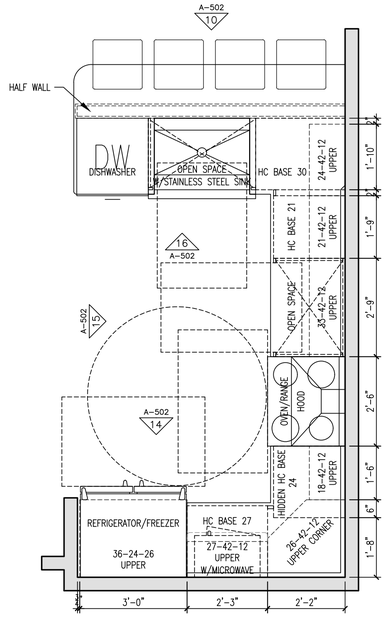
– GENERAL NOTES
1/2" = 1'-0"



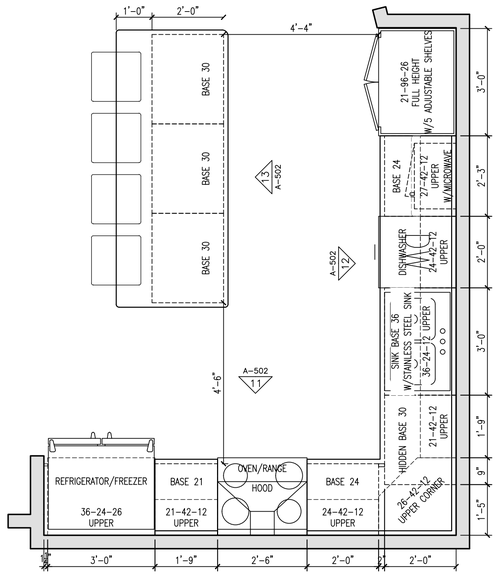
7 COMMON AREA KITCHEN W/ ISLAND – (TYPE A)
1/2" = 1'-0"



6 L SHAPED KITCHEN W/ ISLAND – (TYPE A)
1/2" = 1'-0"



5 PENINSULA KITCHEN – (TYPE A)
1/2" = 1'-0"



4 L SHAPED KITCHEN W/ ISLAND – (TYPE B)
1/2" = 1'-0"

MAHLER & ASSOCIATES
ARCHITECTURE
5150 Manson Drive
Suite 100
Sauk Rapids, MN 56379
TEL: (320) 257-2724
EMAIL: gmahler@mahlerarchitecture.com
Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

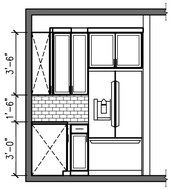
Project 2401
Date 06/27/2024
Scale AS INDICATED

Sheet
KITCHEN PLANS

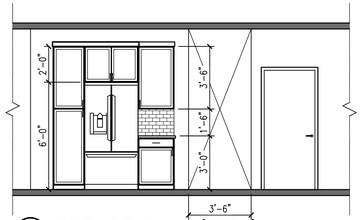
A-501

- OF -

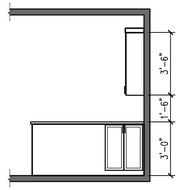
6 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



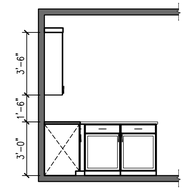
5 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



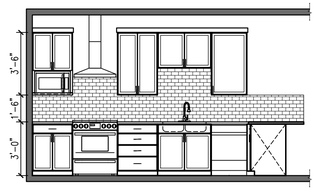
4 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



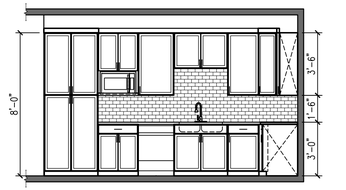
3 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



2 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"

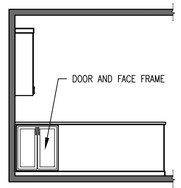


1 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



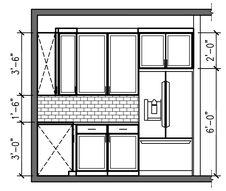
12 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"

11 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



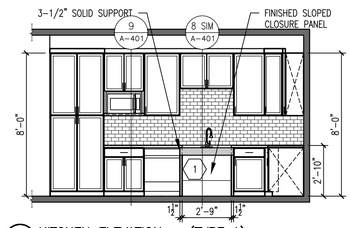
10 KITCHEN ELEVATION
1/4" = 1'-0"

9 NOT USED
1/4" = 1'-0"

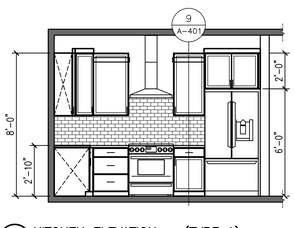


8 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"

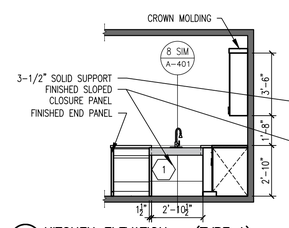
7 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



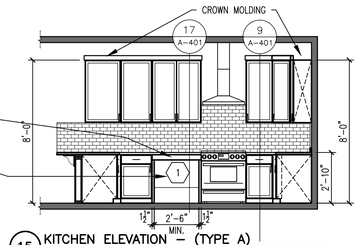
18 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"



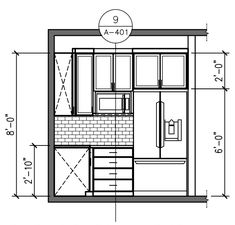
17 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"



16 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"

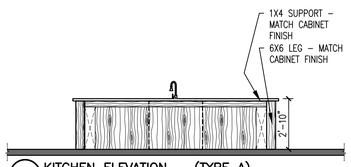


15 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"

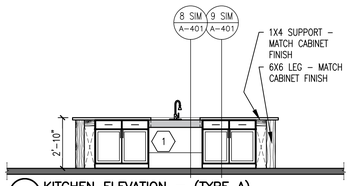


14 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"

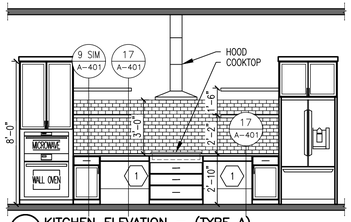
13 KITCHEN ELEVATION – (TYPE B)
1/4" = 1'-0"



24 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"



23 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"

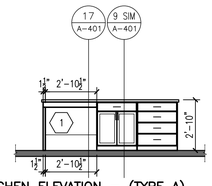


22 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"

1 FINISH REQUIREMENTS FOR AREAS WITH REMOVABLE PANEL:
- ALL EXPOSED CASWORK TO BE FINISHED.
- WALLS MUST BE FINISHED WITH EITHER CABINET MATERIAL OR PAINTED/TEXTURED DRYWALL
- WALL MUST BE FINISHED WITH BASE TRIM
- FLOORING MUST CONTINUE TO WALL

21 TYPE A ELEVATION NOTE
1/4" = 1'-0"

20 NOT USED
1/4" = 1'-0"



19 KITCHEN ELEVATION – (TYPE A)
1/4" = 1'-0"

MAHLER & ASSOCIATES
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Graeme H.D. Mahler, AIA
Principal
Firm Name and Address

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.

Graeme H.D. Mahler
Reg. No. 22314
DATE 06/27/24

No.	Revision/Issue	Date
1	APARTMENT BID SET ADDED	08/22/2024

BP 03: Addendum 02 Drawings

Project Name and Address
CCH MED SCHOOL HOUSING
160X CO HWY 134
ST CLOUD, MN 56303
--
CHRIS KOEPP
(320) 253-2411

APARTMENT PHASE

Project 2401
Date 06/27/2024
Scale AS INDICATED
Sheet KITCHEN ELEVATIONS
A-502