BUFFALO MANOR

APARTMENT COMPLEX

1105 25TH ST. SW

JAMESTOWN, NORTH DAKOTA 58401

GENERAL

G001	COVER SHEET - BUFFALO MANOR
G002	LIFE SAFETY PLANS - BUFFALO MANOR
G003	ARCHITECTURAL SITE PLAN
G004	GARAGE PLANS, SECTIONS & ELEVATIONS

STRUCTURAL

S001	STRUCTURAL GENERAL NOTES, LOADS & MATERIAL NOTE TABLES
S002	SPECIAL INSPECTION TABLES
S201	FIRST FLOOR FOUNDATION/SLAB PLAN
S202	SECOND FLOOR FRAMING PLAN
S203	THIRD FLOOR FRAMING PLAN
S204	ROOF FRAMING PLAN
S205	GARAGE FOUNDATION PLANS
S206	GARAGE ROOF FRAMING PLANS
S301	FIRST FLOOR BRACED WALL PLAN
S302	SECOND FLOOR BRACED WALL PLAN
S303	THIRD FLOOR BRACED WALL PLAN
S304	GARAGE BRACED WALL PLAN
S601	FOUNDATION DETAILS
S701	FRAMING DETAILS

ARCHITECTURAL

A001	GENERAL ARCHITECTURAL INFORMATION
A021	WALL, FLOOR & ROOF TYPES
A201	FIRST FLOOR PLAN
A202	SECOND FLOOR PLAN
A203	THIRD FLOOR PLAN
A221	ROOF PLAN
A301	FIRST FLOOR REFLECTED CEILING PLAN
A302	SECOND FLOOR REFLECTED CEILING PLAN
A303	THIRD FLOOR REFLECTED CEILING PLAN
A401	BUILDING ELEVATIONS
A421	BUILDING SECTIONS
A422	BUILDING SECTIONS
A441	WALL SECTIONS
A442	WALL SECTIONS, CANOPY SECTIONS @ DETAILS
A501	UNIT PLANS AND INTERIOR ELEVATIONS
A502	UNIT PLANS AND INTERIOR ELEVATIONS
A503	UNIT PLANS AND INTERIOR ELEVATIONS
A504	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
A521	STAIR PLANS AND SECTIONS, DETAILS & ELEVATOR SECTIONS
A801	DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS
A901	FIRST FLOOR FINISH PLAN
A902	SECOND FLOOR FINISH PLAN
A903	THIRD FLOOR FINISH PLAN
A921	EQUIPMENT SCHEDULE
A931	SIGNAGE PLAN AND SCHEDULE
A932	SIGNAGE PLAN AND SCHEDULE
A933	SIGNAGE PLAN AND SCHEDULE

FIRE PROTECTION, PLUMBING & MECHANICAL

FPM01	MECHANICAL SYMBOLS & LEGEND SHEET

FIRE PROTECTION

F201	FIRST FLOOR FIRE PROTECTION PLAN & DETAILS
F202	SECOND FLOOR FIRE PROTECTION PLAN
F203	THIRD FLOOR FIRE PROTECTION PLAN

PLUMBING

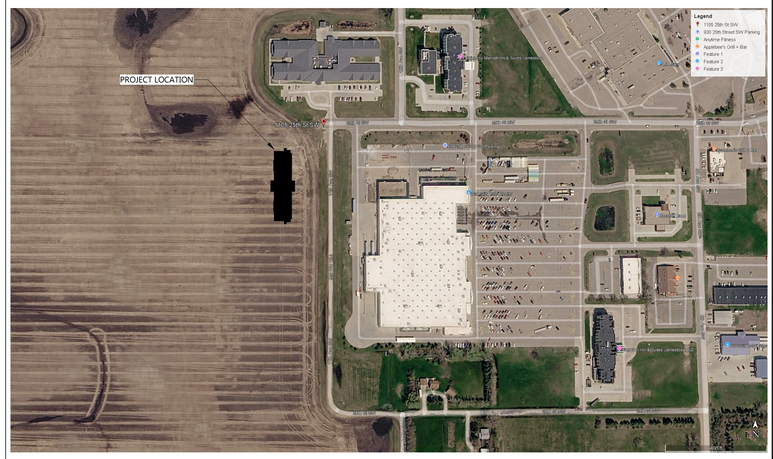
P200	UNDERGROUND PLUMBING & RADON PLANS
P201	FIRST FLOOR PLUMBING PLANS
P202	SECOND FLOOR PLUMBING PLAN
P203	THIRD FLOOR PLUMBING PLAN
P204	ROOF PLUMBING PLAN
P801	PLUMBING DETAILS & SCHEDULES

MECHANICAL

M201	FIRST FLOOR HYDRONICS PLAN
M202	SECOND FLOOR HYDRONICS PLAN
M203	THIRD FLOOR HYDRONICS PLAN
M301	FIRST FLOOR VENTILATION PLAN
M302	SECOND FLOOR VENTILATION PLAN
M303	THIRD FLOOR VENTILATION PLAN
M400	MECHANICAL ROOF PLAN
M501	MECHANICAL FLOW DIAGRAM
M601	MECHANICAL DETAILS
M801	MECHANICAL SCHEDULES

ELECTRICAL

E001	ELECTRICAL SYMBOLS & ABBREVIATIONS LEGEND
E100	ELECTRICAL SITE PLAN
E201	FIRST FLOOR POWER, SYSTEMS & FIRE ALARM PLAN
E202	SECOND FLOOR POWER, SYSTEMS & FIRE ALARM PLAN
E203	THIRD FLOOR POWER, SYSTEMS & FIRE ALARM PLAN
E204	ELECTRICAL ATTIC POWER PLAN
E301	FIRST FLOOR LIGHTING PLAN
E302	SECOND FLOOR LIGHTING PLAN
E303	THIRD FLOOR LIGHTING PLAN
E601	UNIT PLANS
E602	UNIT PLANS
E801	DETAILS, SCHEDULES & RISER DIAGRAMS
E802	LIGHTING SCHEDULES & DETAILS
E803	DETAILS, SCHEDULES & RISER DIAGRAMS
E901	SCHEDULES
E902	SCHEDULES



PROJECT LOCATION MAP - NOT TO SCALE

STAMPS

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.

Signature:

Date: 05-11-2026 REG. NO. : 1565

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CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
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APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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PROJECT NO: 20245211
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DRAWING TITLE
COVER SHEET - BUFFALO MANOR

G001

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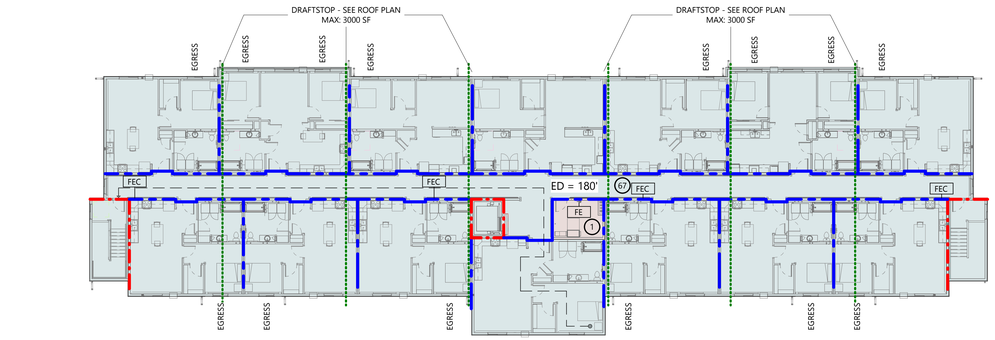
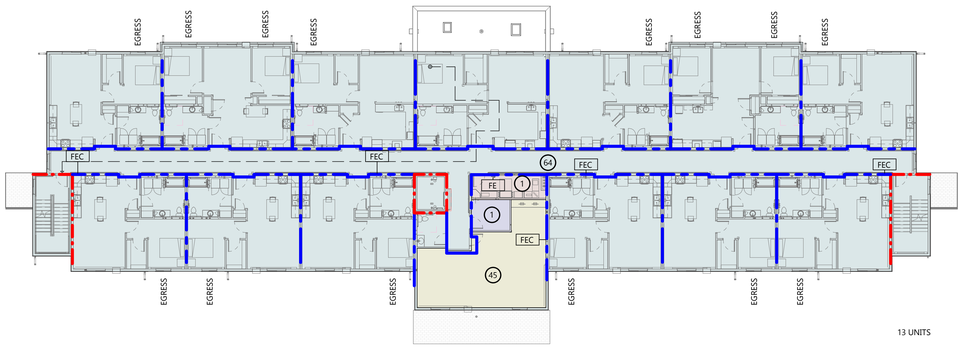


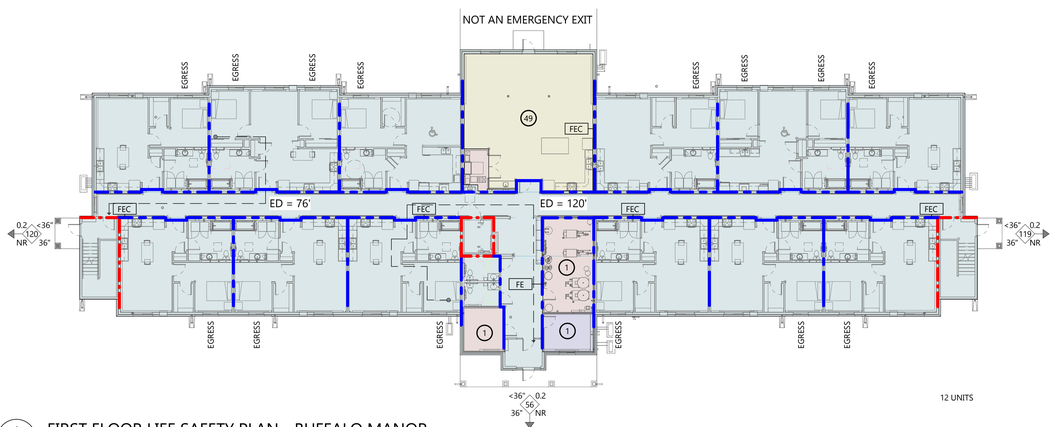
3 G002 THIRD FLOOR LIFE SAFETY PLAN - BUFFALO MANOR

1/16" = 1'-0"



2 G002 SECOND FLOOR LIFE SAFETY PLAN - BUFFALO MANOR

1/16" = 1'-0"



1 G002 FIRST FLOOR LIFE SAFETY PLAN - BUFFALO MANOR

1/16" = 1'-0"

LIFE SAFETY LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR FIRE PARTITION
- 3 HOUR FIRE PARTITION
- DRAFTSTOP - SEE ROOF PLAN
- EXIT DISTANCE (ED = 105')
- (1) OCCUPANT LOAD
- EXIT/EXIT DISCHARGE
  - 0.2 - EGRESS WIDTH FACTOR
  - >36" - WIDTH REQUIRED
  - 120 - OCCUPANT DISCHARGE LOAD
  - NR - DOOR RATING
  - 36" ACTUAL DOOR WIDTH
- DIRECTION OF TRAVEL (0.2 <36" 120 NR 36")
- RESIDENTIAL
- ASSEMBLY (UNCONCENTRATED)
- BUSINESS AREA
- ACCESSORY

BUILDING CODE DATA

BUILDING CODE: 2024 IBC
- 2024 INTERNATIONAL ENERGY CONSERVATION CODE
- 2024 INTERNATIONAL MECHANICAL CODE
- 2024 INTERNATIONAL BUILDING CODE
- 2018 NORTH DAKOTA STATE PLUMBING CODE
- 2023 NATIONAL ELECTRICAL CODE
- 2023 LAWS, RULES AND WIRING STANDARDS OF NORTH DAKOTA
- 2024 INTERNATIONAL FIRE CODE / 2022 NFPA 13R
- 2025 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS IS ASME A17.1

CH.	SECTION ITEM	REQUIREMENTS	ACTUAL
CH. 3	USE AND OCCUPANCY		
310.3	310.3 OCCUPANCY	R-2	R-2
CH. 4	OCCUPANCY REQUIREMENTS		
420	GROUP R REQUIREMENTS		
	420.2 - SEPARATION WALLS	REQUIRED	FIRE PARTITIONS
	420.3 - HORIZONTAL SEPARATION	REQUIRED	FLOOR/CEILING ASSEM.
	420.4 - SPRINKLER SYSTEM	REQUIRED	PROVIDED
	420.5 - FIRE & SMOKE ALARM	REQUIRED	PROVIDED
CH. 5	BUILDING HEIGHT & AREAS		
TABLE 504.3	HEIGHT: R OCC - S13R - TYPE VA	60'-0" MAX	43'-0" *ROOF MIDSPAN
TABLE 504.4	STORIES: R OCC - S13R - TYPE VA	4 MAX	3
TABLE 506.2	ALLOWABLE AREA FACTOR		
	OC - R2 - S13R - TYPE VA		
	$A_a = A_t + (NS \times I_f)$ FOR 3 STORIES OR LESS (EQ. 5-1)		
	(A_t) TABULAR ALLOWABLE AREA FACTOR = 12,000 SF		
	(NS) TABULAR ALLOWABLE AREA FACTOR FOR NS BLDG = 12,000 SF		
	(I_f) SEE TABLE 506.3.3 = .75		
	(A_a) ALLOWABLE AREA = 21,000 MAX SF/FLOOR		FLOOR SF PER STORY
	NOTE: 4+ STORIES USE (EQ. 5-2)	1	14,281 SF
			2 13,830 SF
			3 13,830 SF
			TOTAL 41,941 SF
CH. 6	TYPE OF CONSTRUCTION		TYPE V-A
TABLE 601	FIRE-RESISTANCE RATING FOR BLDG ELEMENTS		
	STRUCTURAL FRAME		1 HR
	- EXCEPTION B - WOOD ROOF TRUSS ALLOWED		
	BEARING WALLS		1 HR
	EXTERIOR (705.5 EXCEPTION)		0 HR
	INTERIOR		1 HR
	NON-BEARING WALLS		0 HR
	FLOOR CONSTRUCTION		1 HR
	ROOF CONSTRUCTION		1 HR
CH. 7	FIRE RESISTIVE RATED CONST.		
TABLE 706.4	FIRE WALLS		NA
713.4	FIRE BARRIERS		1 HR
	SHAFT/STAIRWAY ENCLOSURE		1 HR
718.3.2	CONCEALED COMBUSTIBLE SPACE		
	GROUP R-2 FOR 3+ DWELLING UNITS - NFPA 13R SYSTEM:		
	DRAFTSTOPPING LOCATED ABOVE IN LINE WITH THE DWELLING UNIT		
	SEPARATIONS IN LIUE OF SPRINKLING WITHIN CONCEALED COMBUSTIBLE SPACE		
1022.1	INCIDENTAL USE AREAS		SPRINKLERED
708	FIRE PARTITIONS		
708.3	DWELLING UNIT SEPARATIONS	1 HR	1 HR
708.3	CORRIDOR WALLS (TABLE 1020.2, OL > 10)	0.5 HR	1 HR
708.4	FIRE PARTITION CONTINUITY EXCEPTION 2.2.2		
TABLE 716.1/1018.1			
	OPENING PROTECTION		
	FIRE WALLS	NA	NA
	FIRE BARRIERS		
	SHAFT ENCLOSURE	60M	90M
	EXIT ENCLOSURE	60M	90M
	FIRE PARTITIONS	20M	20M
CH. 8	WALL & CEILING FINISHES - FLAME SPREAD INDEX		
TABLE 803.13	INTERIOR EXIT STAIRWAYS, RAMPS & EXIT PASSAGEWAYS	CLASS C	CLASS C
	CORRIDORS, ENCLOSURE FOR EXIT ACCESS STAIRWAYS & RAMPS	CLASS C	CLASS C
	ROOMS & ENCLOSED SPACES	CLASS C	CLASS C
CH. 9	FIRE PROTECTION SYSTEMS - GROUP R		
903.2.8	AUTOMATIC SPRINKLER SYSTEM	NFPA 13R	NFPA 13R
903.3.1.2	NFPA 13R SPRINKLER SYSTEM	≤ 4 STORIES ABOVE GRADE PLANE	3 STORIES
	GROUP R-2 ROOF ASSEMBLY	≤ 45' ABOVE GRADE	---
	MAIN FLOOR FFE	≤ 30' BELOW FIRE VEHICLE ACCESS ROAD SURFACE	---
CH. 10	MEANS OF EGRESS		
1004	OCCUPANT LOAD		
TABLE 1004.5	OCCUPANT LOAD FACTOR		
	RESIDENTIAL	200 SF GROSS	
	ASSEMBLY (UNCONCENTRATED)	15 SF NET	
	ACCESSORY	300 SF GROSS	
	BUSINESS AREA	150 SF GROSS	
	OCCUPANT LOAD		
	1ST FLOOR (14,281 SF)		
	RESIDENTIAL 63		
	ASSEMBLY 49		
	ACCESSORY 3		
	BUSINESS AREA 1		
	TOTAL OCC. 116 x .2 = 23.2" TOTAL EXIT WIDTH		99" E.W.
	2ND FLOOR (13,830 SF)		
	RESIDENTIAL 64		
	ASSEMBLY 45		
	ACCESSORY 1		
	BUSINESS 1		
	TOTAL OCC. 111 x .3 = 33.3" TOTAL EXIT WIDTH		66" E.W.
	3RD FLOOR (13,830 SF)		
	RESIDENTIAL 67		
	ACCESSORY 1		
	TOTAL OCC. 68 x .3 = 20.4" TOTAL EXIT WIDTH		66" E.W.
1005	EXIT WIDTH (EW)		SEE PLAN
TABLE 1017.2	EXIT DISTANCE (ED) - SPRINKLERED	250' MAX	SEE PLAN (180' MAX)
1002.2	FIRE SAFETY & EVACUATION PLANS - REQ'D EA FLOOR		
1004.7	OUTDOOR AREAS, EXCEPTION 1 GROUP R-2 - MEANS OF EGRESS		
1004.9	POSTING OF OCCUPANT LOAD - ASSEMBLY AREA - SEE SIGNAGE		
1005.3.1	STAIRWAY WIDTH FACTOR - 0.3 INCH / OCCUPANT		
	EXCEPTION: 1. 0.2 INCH/OCCUPANT IF SPRINKLERED AND EMERG		
	VOICE/ALARM COMM SYSTEM		
TABLE 1006.2.1	MAX OCC LOAD OF SPACE WITH ONE EXIT		
	GROUP ASSEMBLY -49		
	GROUP R-2 -20		
	COMMON PATH MAX EGRESS TRAVEL DISTANCE		
	(MAX DISTANCE BEFORE HAVING TWO EXIT OPTIONS)		
	GROUP ASSEMBLY - SPRINKLERED	MAX 75'	---
	GROUP R-2 - SPRINKLERED	MAX 125'	---
1008.2	ILLUMINATION REQUIRED, EXCEPTION 4 DWELLING UNITS IN GROUP R-2		
1009.3.2	STAIRWAY WIDTH - 48 INCHES BETWEEN HANDRAILS		
	EXCEPTION 1. 48" NOT REQ'D IF SPRINKLERED		
1009.3.3	AREA OF REFUGE, EXCEPTION 2 - NOT REQ'D IF SPRINKLERED		
	EXCEPTION 5 - NOT REQ'D IN GROUP R-2		
TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE (MAX DISTANCE TO EXIT (I.E. STAIR))		
	GROUP: ASSEMBLY & R-2 - SPRINKLERED	250' MAX	---
TABLE 1020.3	MIN. CORRIDOR WIDTH	44 INCHES	---
1020.5	DEAD END CORRIDORS - MAX 20 FT		
	- EXCEPTION 2, GROUP R-2, SPRINKLERED: MAX 50 FT		
CH. 11	ACCESSIBILITY		
1106.3.1&2	PARKING SPACES - GROUP R-2	2 (2%)	12
	DWELLING UNITS (TYPE A)	1 (2%)	8
1106.6	VAN SPACES	1 VAN-ACCESSIBLE SPACE / 6 ADA SPACES	4
CH. 12	INTERIOR ENVIRONMENT		
1202.2.1	ATTIC VENTILATION (EXCEPTION 1&2)	1/300	MIN. 48 SF OF VENT.
1202.5.1	DWELLING UNITS - NATURAL VENTILATION	4% OF FLR AREA	OPERABLE WINDOWS
1202.5.2.1	UNIT BATHROOMS - EXHAUST		MECH. EXHAUST
CH. 13	ENERGY EFFICIENCY		
	SEE COMCHECK W/ PERMIT APPLICATION		

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Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
LIFE SAFETY PLANS - BUFFALO MANOR

G002

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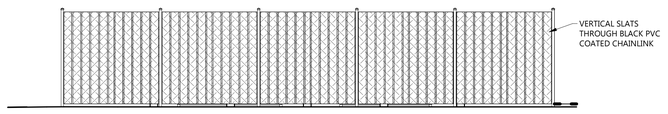
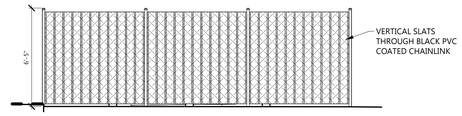


8 G003 TRASH ENCLOSURE - REAR ELEVATION BM
1/4" = 1'-0"



7 G003 TRASH ENCLOSURE - SIDE ELEVATION BM
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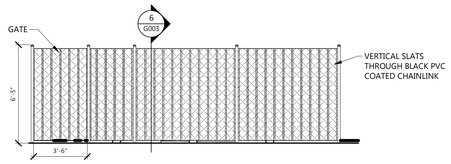
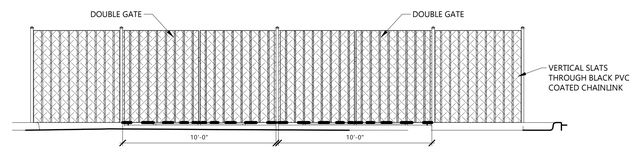


6 G003 TRASH ENCLOSURE - DOOR ELEVATION BM
1/4" = 1'-0"



5 G003 TRASH ENCLOSURE - FRONT ELEVATION BM
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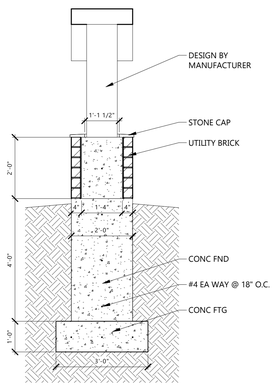
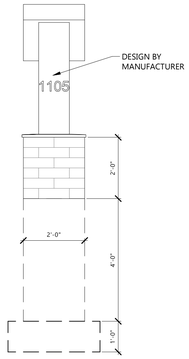
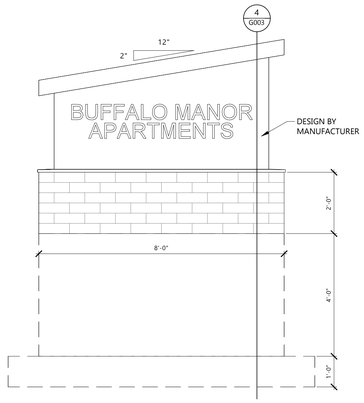


4 G003 MONUMENT SIGN SECTION
1/2" = 1'-0"



3 G003 MONUMENT SIGN ELEVATION
1/2" = 1'-0"



2 G003 MONUMENT SIGN ELEVATION
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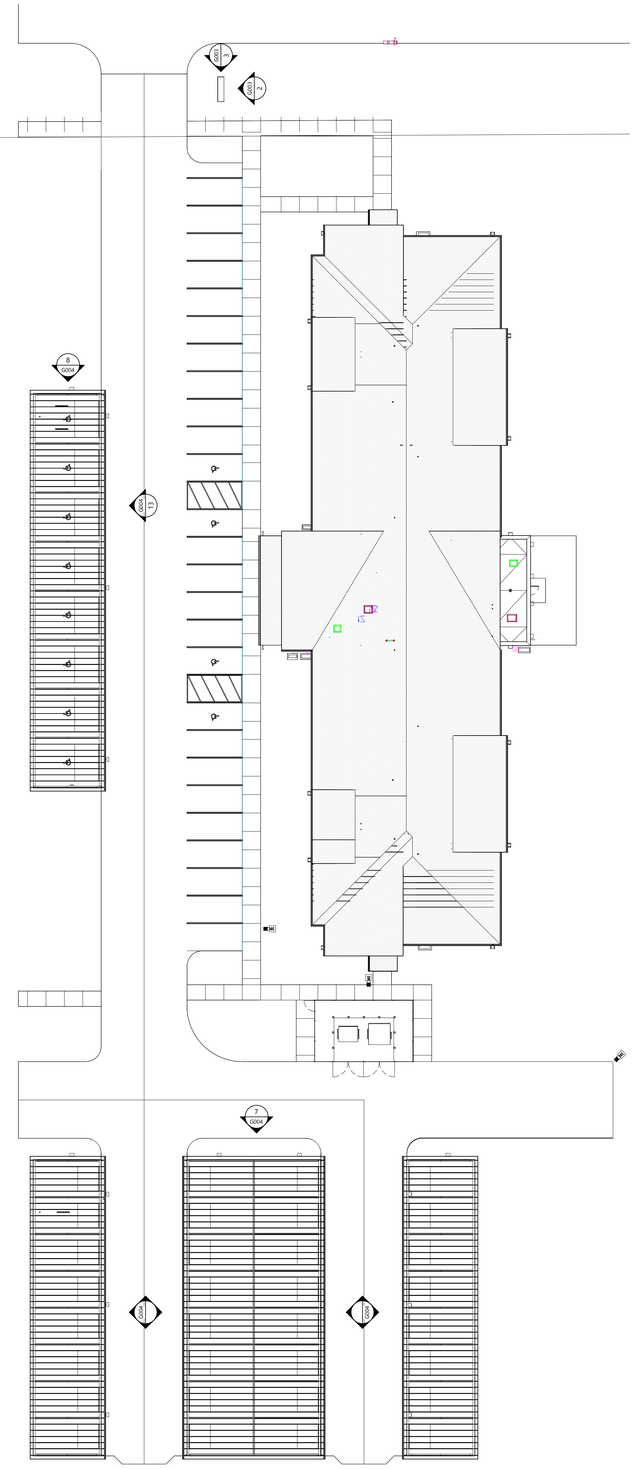

1 G003 ARCHITECTURAL SITE PLAN - BUFFALO MANOR
1" = 20'-0"

N

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DRAWING TITLE
ARCHITECTURAL SITE PLAN

G003

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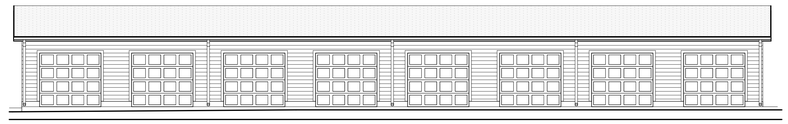
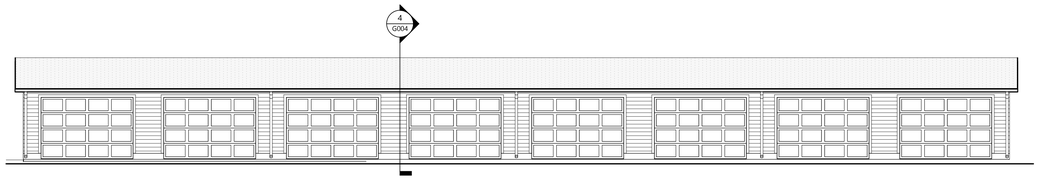


12 G004 TYP. GARAGE ELEVATION
1/8" = 1'-0"



13 G004 TYP. GARAGE ELEVATION
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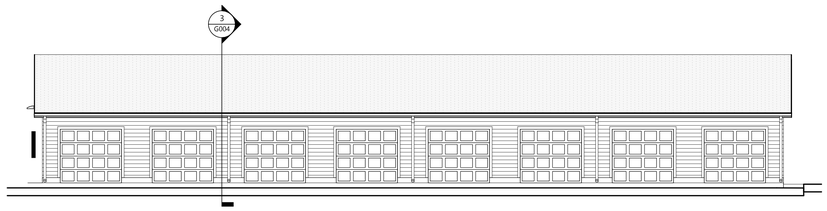
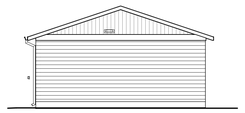
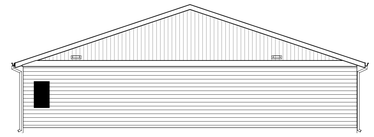


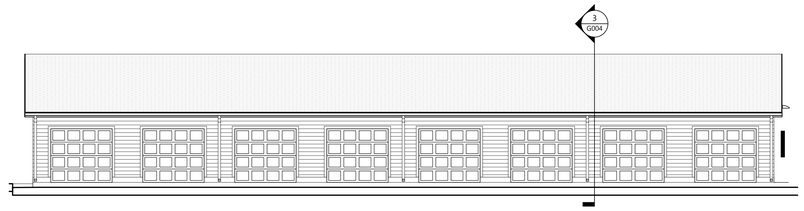
11 G004 TYP. GARAGE ELEVATION
1/8" = 1'-0"



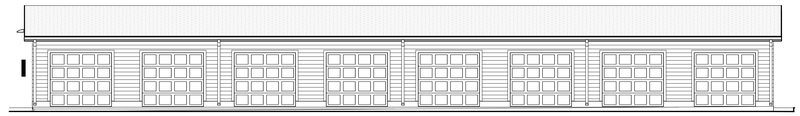
8 G004 TYP. END WALL ELEVATION - SINGLE GARAGE
1/8" = 1'-0"



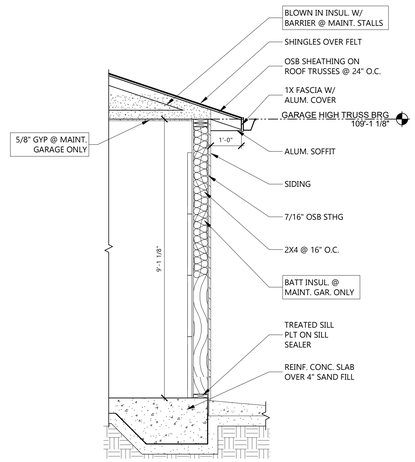
7 G004 TYP. END WALL ELEVATION - DOUBLE GARAGE
1/8" = 1'-0"



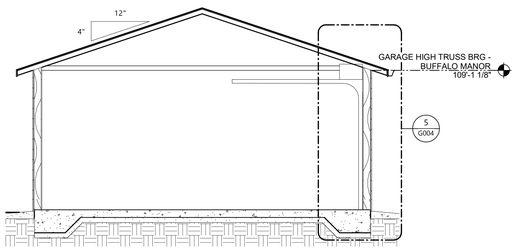
10 G004 TYP. GARAGE ELEVATION
1/8" = 1'-0"



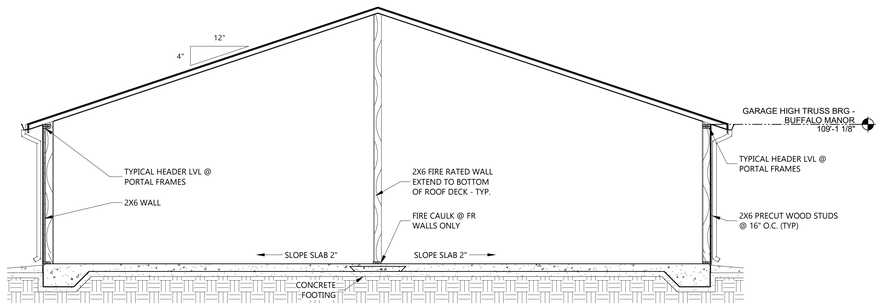
9 G004 TYP. GARAGE ELEVATION
1/8" = 1'-0"



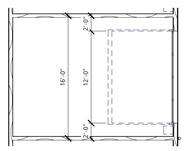
5 G004 TYP. GARAGE SECTION
1/2" = 1'-0"



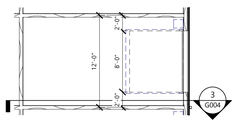
4 G004 TYP. SINGLE GARAGE SECTION
1/4" = 1'-0"



3 G004 TYP. DOUBLE GARAGE SECTION
1/4" = 1'-0"



2 G004 TYP. HDCP GARAGE PLAN
1/8" = 1'-0"



1 G004 TYP. GARAGE PLAN
1/8" = 1'-0"

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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: BRJ
CHECKED BY: SS

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STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
Signature:
Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
GARAGE PLANS, SECTIONS & ELEVATIONS

G004

Revit Version:
Plot Date: 5/11/2026 9:53:25 AM

GENERAL REQUIREMENTS:

1. DESIGN AND CONSTRUCTION OF THIS PROJECT IS PER THE 2024 INTERNATIONAL BUILDING CODE (IBC) INCLUDING REFERENCED STANDARDS AND LOCAL/STATE AMENDMENTS OR BUILDING CODES.
2. THIS PROJECT IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE IBC AND SHALL BE PROVIDED BY AN INDEPENDENT AGENCY.
3. GENERAL CONTRACTOR, CONTRACTOR, CONSTRUCTION MANAGER/AGENCY OR OTHER SIMILAR ENTITY OR REFERENCE ARE SYNONYMOUS AS IT RELATES TO USE OF AND RESPONSIBILITIES ASSIGNED BY THE CONTRACTOR DOCUMENTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF STRUCTURAL SYSTEMS WITH OTHER TRADES AND CONTRACT DOCUMENTS, NOTIFY THE EOR OF ANY DISCREPANCIES.
5. CONTRACTOR SHALL PROVIDE VERIFICATION OF QUANTITIES AND DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, SAFE AND SECURE PERFORMANCE OF THE WORK, AND TO NOT ALTER OR CUT ANY STRUCTURAL MEMBER WITHOUT APPROVAL FROM THE EOR.
6. THE STRUCTURAL DESIGN REPRESENTS THE COMPLETED STATE ANY TEMPORARY BRACING OR SHORING REQUIRED TO MAINTAIN STABILITY DURING CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, FRAMING MEMBERS, AND SITE CONDITIONS PRIOR TO STARTING THE WORK AND NOTIFY THE EOR OF ANY DISCREPANCIES.
8. EXACT LOCATION AND SIZE OF ROOF/FLOOR/WALL OPENINGS, SLEEVES, OR MECHANICAL PENETRATIONS TO BE COORDINATED BY THE CONTRACTOR; SIMILAR FOR HOUSEKEEPING PADS, INSERTS AND EMBEDS, DEPRESSIONS, BOX-OUTS, SLOPES, DOORS AND WINDOWS, NON-BEARING WALLS, STAIRS, FINISHES, WATERPROOFING, RAILINGS, MECHANICAL EQUIPMENT LOCATIONS, LEDGES, INSULATION AND OTHER NON-STRUCTURAL ITEMS NECESSARY TO COMPLETE THE WORK.
9. CONTRACTOR SHALL PROVIDE CONTRACTOR APPROVED AND STAMPED SHOP DRAWINGS AND PRODUCT DATA FOR REVIEW WITH GENERAL CONFORMANCE TO THE CONTRACTOR DOCUMENTS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH TESTING AND INSPECTION AGENCIES DURING CONSTRUCTION OR WHOEVER REMAINS RESPONSIBLE FOR PERFORMING WORK IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
11. CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY.
12. DEFERRED SUBMITTAL ITEMS REQUIRE SHOP DRAWINGS AND CALCULATIONS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED AS FOLLOWS:
    A. LADDERS AND CONNECTION TO STRUCTURE
    B. STOREFRONT AND WINDOW SYSTEMS
    C. PRE-ENGINEERED WOOD TRUSSES
    D. STRUCTURAL STEEL CONNECTIONS

SPECIAL INSPECTION AND TESTING:

1. OWNER SHALL EMPLOY SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM SPECIFIED SPECIAL INSPECTION AND TESTING AS REQUIRED BY THE IBC OR AS SPECIFICALLY NOTED.
2. SPECIAL INSPECTION AND TESTING SHALL BE COMPLETED IN ACCORDANCE WITH CHAPTER 17 OF THE IBC AND AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL PROVIDE SPECIAL INSPECTOR WITH SUFFICIENT NOTICE AND ACCESS TO THE SITE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF RETESTING OR ADDITIONAL INSPECTION NEEDED AS A RESULT OF UNINSPECTED WORK, FAILED TESTS, OR REJECTED WORK.
5. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
    A. OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS.
    B. FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND PROJECT TEAM.
    C. IMMEDIATELY NOTIFY THE CONTRACTOR AND ARCHITECT/EOR OF ANY DISCREPANCIES, DEVIATIONS, OR FAILED TEST FOR CORRECTIVE ACTION.

EARTHWORK AND SUBGRADE PREPARATION:

1. COMPLETE EARTHWORK ACTIVITIES AND SITE PREPARATION IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT PREPARED BY BRAUN INTERTEC CORPORATION (#B2503399).
2. NOTIFY EOR IMMEDIATELY IF ANY QUESTIONABLE SOIL CONDITIONS ARE ENCOUNTERED DURING EXCAVATION; FOUNDATION ELEVATIONS AND SUBGRADE PREPARATION ARE SUBJECT TO CHANGE DEPENDING ON CONDITIONS ENCOUNTERED.
3. PROJECT GEOTECHNICAL ENGINEER SHALL TEST TO VERIFY DESIGN BEARING PRESSURE AND INSPECT SUBGRADE EXCAVATION AND PREPARATION PRIOR TO PROCEEDING WITH PLACEMENT OF FOUNDATIONS AND SLABS.
4. FOUNDATION AND SLABS SHALL BEAR ON UNDISTURBED SOIL OR APPROVED FILL MATERIAL COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR UNLESS OTHERWISE NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
5. PROTECT EXCAVATIONS AND FOOTINGS FROM THE ACTION OF WATER OR FREEZING AND SHALL NOT BE EARTH FORMED WITHOUT APPROVAL BY THE EOR.
6. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED TO COMPLY WITH OSHA STANDARDS.
7. MATERIAL FOR BACKFILL SHALL BE CLEAN, FREE OF WOOD SCRAPS OR OTHER DELETERIOUS SUBSTANCES AND PLACED IN 12" COMPACTED LIFTS, UNLESS NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
8. BACKFILL AGAINST FOUNDATION WALL CAREFULLY TO AVOID DAMAGE TO THE WALL AND OTHER CONSTRUCTION; NO UNBALANCED BACKFILL SHALL BE PLACED UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY CONSTRUCTION BRACING OR PERMANENT CONSTRUCTION, OR DESIGNED TO RETAIN EARTH.
9. EXISTING ON-SITE SUITABLE SOILS ARE ACCEPTABLE BACKFILL MATERIAL PROVIDED THEY CAN BE CONDITIONED AND PLACED TO THE SPECIFIED WATER CONTENT, MEET COMPACTION REQUIREMENTS, AND ARE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
10. GRANULAR FILL SHALL HAVE 100% PASSING THE 1", LESS THAN 50% PASSING THE #40, AND LESS THAN 12% PASSING THE #200 SIEVES UNLESS NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
11. PROVIDE A MINIMUM 6" THICK DRAINAGE COURSE BELOW ALL INTERIOR FLOOR SLABS ON GRADE UNLESS NOTED OTHERWISE. DRAINAGE COURSE SHALL HAVE 100% PASSING THE 1", LESS THAN 50% PASSING #40, AND LESS THAN 5% PASSING THE #200 SIEVES, UNLESS NOTED OR SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER. PROVIDE A 10 MIL VAPOR BARRIER BETWEEN THE DRAINAGE COURSE AND UNDERSIDE OF CONCRETE SLAB.
12. CRUSHED STONE/GRAVEL AROUND DRAINTILE SYSTEMS SHALL HAVE LESS THAN 10% PASSING THE #4 SIEVE UNLESS NOTED OTHERWISE.

CAST-IN-PLACE CONCRETE:

1. CONTRACTOR WORK SHALL CONFORM WITH REQUIREMENTS OF ACI 301 AND ACI 318 OR ACI 350, ALONG WITH ACI 305 AND ACI 306 WHEN WEATHER CONDITIONS DICTATE HOT OR COLD WEATHER PROVISIONS.
2. CONCRETE SHALL BE A REDI-MIXED PRODUCT IN CONFORMANCE WITH APPROVED MIX DESIGN SUBMITTALS FOR EACH COMBINATION OF STRENGTH OR APPLICATION AS PREPARED BY THE SUPPLIER OR AND INDEPENDENT TESTING AGENCY.
3. DO NOT USE ADMIXTURES OR CURING ACCELERATORS CONTAINING CALCIUM CHLORIDE.
4. TOLERANCES AND FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED TO CONFORM WITH REQUIREMENTS OF ACI 114 AND ACI 347.
5. CHAMFER EXPOSED EDGES OF CONCRETE 3/4" WHERE NOT SPECIFICALLY SHOWN OR NOTED ON STRUCTURAL OR ARCHITECTURAL DRAWINGS.
6. SEE CONCRETE REINFORCING NOTES SECTION, STANDARD DETAILS AND TABLES FOR ADDITIONAL REINFORCING AND LAYOUT REQUIREMENTS.
7. ALL FOOTINGS, FOUNDATIONS, PIERS, COLUMNS, AND FRAMING MEMBERS SHALL BE CENTERED UNLESS NOTED OTHERWISE.
8. FOOTING STEPS SHALL BE GENERALLY LOCATED WHERE INDICATED ON THE FOUNDATION PLANS.
9. PROVIDE DOWEL BARS BETWEEN MEMBERS WITH STANDARD HOOKS TO SUPPORT MEMBER AND LAP SPLICED WITH PRIMARY REINFORCING; DOWELS SHALL BE SAME SIZE AND SPACED TO MATCH PRIMARY REINFORCING UNLESS NOTED OTHERWISE.
10. INSERTS, SLEEVES, OPENINGS, AND OTHER EMBEDDED ITEMS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE LOCATED AND VERIFIED BY THE CONTRACTOR; THOSE NOT SHOWN SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE EOR.
11. CONTRACTOR TO LAY OUT AND SUBMIT LOCATION OF CONSTRUCTION JOINTS AND CONCRETE CONSTRUCTION FOR REVIEW AND APPROVAL. SEE STANDARD DETAILS FOR SLAB ON GRADE CONSTRUCTION, CUT JOINTS WITHIN 24 HOURS OF CONCRETE PLACEMENT, SPACED NOT MORE THAN 36 TIMES THE SLAB THICKNESS, AND AN ASPECT RATIO NOT EXCEEDING 1.5.
12. UNLESS SPECIFICALLY DETAILED OR SHOWN ON THE STRUCTURAL DRAWINGS, PENETRATIONS OR OPENINGS IN SLABS AND WALL SHALL:
    A. NOT EXCEED 12 INCHES IN ANY DIMENSION.
    B. NOT BE LOCATED WITHIN 6 INCHES FROM AN EDGE.
    C. NOT BE LOCATED WITHIN A BEAM OR COLUMN.
    D. NOT BE CLOSER THAN 10 TIMES THE SLAB THICKNESS FROM A CONCENTRATED LOAD EXCEEDING 2,000 LBS.
    E. WHEN PLACED IN GROUPS, SHALL BE PLACED WITH NO LESS THAN ONE PENETRATION OF OPENING DIAMETER CLEAR BETWEEN THEM.

CONCRETE REINFORCEMENT:

1. CONCRETE REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM WITH REQUIREMENTS OF ACI 315 AND CRSI MANUAL.
2. SEE STANDARD DETAILS AND TABLES FOR ADDITIONAL INFORMATION RELATED TO STEEL REINFORCING COVER, LAPS, AND MISCELLANEOUS DETAILING.
3. REINFORCING STEEL SHALL BE TIED, ACCURATELY PLACED, AND SUPPORTED BY STANDARD ACCESSORIES. ACCESSORY LEGS EXPOSED TO VIEW SHALL BE STAINLESS STEEL.
4. REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE LOCATED AND HELD IN PLACE PRIOR TO CONCRETE PLACEMENT; PLACEMENT OR PUSHING ("WET STICKING") INTO CONCRETE IS NOT ALLOWED.
5. REINFORCEMENT LAP SPLICES SHALL BE CLASS B PLUS 6" AT NON-CONTACT SLICES, UNLESS NOTED OTHERWISE, AND SPLICED AT LOCATIONS SHOWN OR NOTED WITHIN THE STRUCTURAL DOCUMENTS; EXCEPTION REINFORCEMENT NOTED AS "CONTINUOUS" MAY BE SPLICED AT LOCATIONS DETERMINED BY THE CONTRACTOR.
6. DO NOT WELD REINFORCING UNLESS SPECIFICALLY SHOWN ON PLANS OR WITH WRITTEN PERMISSION FROM THE EOR.
7. PROVIDE (2) #5'S, ONE EACH FACE, AROUND ALL OPENINGS GREATER THAN 12"x12", AND EXTENDING 2'-0" BEYOND OPENING IN BOTH DIRECTIONS; AT CORNERS, SIMILARLY PROVIDE (2) #5x4'-0" BARS DIAGONALLY.

CAST-IN-PLACE CONCRETE FIELD QUALITY CONTROL:

1. TESTING AND INSPECTING:
    - CONTRACTOR SHALL ENGAGE A QUALIFIED TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND PREPARE TEST REPORTS.
2. CONCRETE TESTS:
    - TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C172 SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:
    A. TESTING FREQUENCY: OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CU. YD. (4 CU. M), BUT LESS THAN 25 CU. YD. (19 CU. M), PLUS ONE SET FOR EACH ADDITIONAL 50 CU.YD. (38 CU. M) OR FRACTION THERE OF.
        a. WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN THREE COMPRESSIVE-STRENGTH TEST FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST THREE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
    B. SLUMP: ASTM C143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
    C. AIR CONTENT: ASTM C231, PRESSURE METHOD, FOR NORMAL-WEIGHT CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
    D. CONCRETE TEMPERATURE: ASTM C1064/C 1064M; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F (4.4 DEG C) AND BELOW AND WHEN 80 DEG F (27 DEG C) AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
    E. COMPRESSION TEST SPECIMENS: ASTM C31/C31M.
        a. CAST AND LABORATORY CURE TWO SETS (4 TOTAL) OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
    F. COMPRESSIVE-STRENGTH TESTS: ASTM C39/C39M; TEST ONE SET OF TWO LABORATORY-CURED SPECIMENS AT 7 DAYS AND ONE SET OF TWO SPECIMENS AT 28 DAYS.
        a. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FORM SAME COMPOSITE SAMPLE AND TESTED AT AGE INDICATED.
    G. WHEN STRENGTH OF FIELD-CURED CYLINDERS IS LESS THAN 85 PERCENT OF COMPANION LABORATORY-CURED CYLINDERS, CONTRACTOR SHALL VALUATE OPERATIONS AND PROVIDE CORRECTIVE PROCEDURES FOR PROTECTING AND CURING IN-PLACE CONCRETE
    H. STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF EVERY AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TEST EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI (3.4 MPa).
3. TEST RESULTS SHALL BE REPORTED IN WRITING TO ENGINEER, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN WORK, DESIGN COMPRESSIVE STRENGTH, AND TYPE OF BREAK FOR BOTH 7 AND 28 DAY TESTS.
4. NON DESTRUCTIVE TESTING:
    - IMPACT HAMMER, SONOSCOPE, OR OTHER NON DESTRUCTIVE DEVICE MAY BE PERMITTED BY ENGINEER BUT WILL NOT BE USED AS SOLE BASIS FOR AN APPROVAL OR REJECTION OF CONCRETE.
5. ADDITIONAL TESTS:
    - TESTING AND INSPECTING AGENCY SHALL MAKE ADDITIONAL TEST OF CONCRETE WHEN TEST RESULTS INDICATE THAT SLUMP, AIR ENTRAINMENT, COMPRESSIVE STRENGTH, OR OTHER REQUIREMENTS HAVE NOT BEEN MET, AS DIRECTED BY ENGINEER. TESTING AND INSPECTING AGENCY MAY CONDUCT TEST TO DETERMINE ADEQUACY OF CONCRETE BY CORED CYLINDERS COMPLYING WITH ASTM C42/C42M OR BY OTHER METHODS AS DIRECTED BY ENGINEER.
6. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
7. CORRECT DEFICIENCIES IN THE WORK THAT TEST REPORTS AND INSPECTIONS INDICATE DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS.

POST INSTALLED ANCHORS:

1. POST INSTALLED ANCHORS SHALL ONLY BE USED WHERE OR WHEN SPECIFIED IN THE CONTRACT DOCUMENTS.
2. PRIOR APPROVAL FROM THE EOR IS REQUIRED BEFORE USING POST INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN ANCHORS, BOLTS, OR RODS.
3. NO STEEL REINFORCEMENT SHALL BE CUT TO INSTALL ANCHORS. LOCATE PRIOR TO DRILLING HOLES.
4. POST INSTALLED ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAINTAIN NECESSARY EMBEDMENT, HOLE PREPARATION, EDGE DISTANCE, AND SPACING.
5. INSPECTION AND TESTING SHALL BE PER THE GENERAL NOTES AND CHAPTER 17 OF THE IBC.
6. SUBSTITUTION FOR A DIFFERENT TYPE OF ANCHOR OR VENDOR IS NOT PERMITTED WITHOUT A PRIOR SUBSTITUTION REQUEST SUBMITTAL WITH JUSTIFICATION AND COMPARATIVE CAPACITY ANALYSIS FOR APPROVAL BY THE EOR.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE WITH WELDING BY CERTIFIED WELDERS PER AWS D1.1.
2. PROVIDE STIFFENER PLATES ON BOTH SIDES OF BEAM WEBS AT POINTS OF CONCENTRATED LOADS OR BEARING; UNLESS NOTED OTHERWISE, MINIMUM PLATE THICKNESS SHALL BE 3/8" OR COLUMN FLANGE THICKNESS OR BEAM WEB THICKNESS WHICHEVER IS GREATER.
3. COLUMN CAP PLATES SHALL BE 1/2 INCH THICK, UNLESS NOTED OTHERWISE.
4. STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED OR MODIFIED SHALL BE DESIGNED BY THE FABRICATOR FOR THE SERVICE LOADS SHOWN (##k), UNLESS NOTED OTHERWISE. WHERE NO LOAD IS GIVEN, DESIGN FOR 1/2 OF THE TOTAL ALLOWABLE UNIFORM LOAD PER AISC BEAM TABLES BASED ON SIZE AND SPAN OF BEAM. FABRICATOR TO SELECT AISC SIMPLE SHEAR CONNECTION TO MEET REQUIREMENTS AND ERECTOR PREFERENCE.
5. USE 3/4" DIA (MIN) A325-N HIGH STRENGTH BOLTS AT ALL CONNECTIONS UNLESS HIGHER STRENGTH IS REQUIRED BY DESIGN, COORDINATE WITH EOR.
6. STEEL SHALL BE SHOP PRIMED WITH FABRICATOR'S STANDARD RUST-INHIBITING PRIMER COMPATIBLE WITH TOP COATING, COORDINATE WITH ARCHITECTURAL, EXCEPT AT SURFACES ENCASED IN CONCRETE, TO BE WELDED, OR TO RECEIVE FIREPROOFING.
7. EXTERIOR STEEL OR LINTELS SHALL BE HOT DIPPED GALVANIZED, UNLESS NOTED OTHERWISE.
8. ERECT BEAMS AND COLUMNS TRUE AND PLUMB WITHIN AISC TOLERANCE AND PROVIDE TEMPORARY BRACING AS REQUIRED.
9. BEAM BEARING PLATES AND COLUMN BASE PLATES SHALL BE DRY PACKED WITH GROUT.
10. CONTINUOUS MEMBERS SHALL BE FULL PENETRATION FIELD WELDED AT ALL BUTT SPLICES OR OTHERWISE DETAILED TO PROVIDE CONTINUITY.
11. DO NOT FIELD CUT, WELD OR MODIFY STRUCTURAL STEEL MEMBERS WITHOUT APPROVAL OF THE EOR.

WOOD FRAMING:

1. WOOD FRAMING AND CONSTRUCTION SHALL COMPLY WITH CONSTRUCTION DOCUMENTS, APA, AND/OR TPI STANDARD. GLULAM FABRICATOR SHALL BE AITC OR APA MEMBER AND FOLLOW APPEARANCE AND GRADE SPECIFICATIONS NOTED.
2. PROVIDE WOOD FRAMING FASTENING PER THE IBC FASTENING SCHEDULE, COMMON NAILS, UNLESS NOTED OTHERWISE OR RECOMMENDED BY ENGINEERED WOOD SUPPLIER. MULTI PLY MEMBERS SHALL BE FASTENED WITH (2) ROWS OF 16d NAILS AT 12" O/C; FOR MEMBERS DEEPER THAN 12", PROVIDE (3) ROWS.
3. FASTENERS TO BE STAGGERED TO PREVENT SPLITTING OF WOOD FRAMING. DRILLED BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. CUT WASHERS SHALL BE USED WHERE BOLT HEADS, NUTS, AND LAG SCREW HEADS BEAR ON WOOD. DO NOT NOTCH OR DRILL STRUCTURAL WOOD FRAMING EXCEPT AS ALLOWED BY THE IBC.
4. WOOD NAILERS SHALL BE BOLTED TO STEEL FRAMING WITH (2) ROWS OF 1/2" DIAMETER A307 BOLTS SPACED 32" O/C, STAGGERED ROWS BY ONE HALF SPACING.
5. TOP PLATES SHALL BE STAGGERED 48 INCHES MINIMUM AND FASTENED PLIES WITH (16) 16d COMMON NAILS EACH SIDE OF SPLICE
6. SILL PLATES SHALL BE ANCHORED TO FOUNDATIONS WITH 1/2" DIAMETER BY 7" EMBEDMENT GALVANIZED ANCHOR RODS OR 1/2" DIAMETER x 10" SIMPSON TITEN HD SCREW ANCHORS AT 6'-0" O/C, UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM 3"x3"x 0.229" PLATE WASHER ON ALL SILL PLATE ANCHOR BOLTS. THERE SHALL BE AT LEAST (2) ANCHOR BOLTS PER PIECE SPACED NOT MORE THAN 6 FEET APART , WITH (1) BOLT LOCATED NOT MORE THAN 12" OR LESS THAN 4" FROM EACH END OF EACH PIECE. (REVIEW EMBED & WASHER SIZES)
7. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED AND PROTECTED, OR NATURALLY RESISTANT TO DECAY
8. BRACE INTERIOR NON-BEARING WALLS TO BLOCKING OR FRAMING ABOVE PROVIDING CLIPS ALLOWING FOR VERTICAL MOVEMENT OF THE STRUCTURE.
9. PROVIDE 2x FULL HEIGHT JAMB AND KING STUDS EACH SIDE OF WALL OPENINGS EQUAL TO THE NUMBER OF HEADER PLIES UNLESS OTHERWISE NOTED.
10. PROVIDE 2x FULL HEIGHT JAMB STUDS DIRECTLY BELOW GIRDER TRUSS BEARING IN ADDITION TO SOLID BLOCKING AT JOIST/TRUSS CAVITIES. NUMBER OF STUDS SHALL EQUAL THE NUMBER OF GIRDER PLIES, UNLESS OTHERWISE NOTED
11. PROVIDE SOLID BLOCKING EQUAL IN SIZE/NUMBER/WIDTH OF JAMBS AT JOIST/TRUSS CAVITIES BELOW BEAM/HEADER/GIRDER BEARING LOCATIONS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF PANELIZED WALL CONSTRICTION. EOR TO REVIEW SUBMITTED FRAMING FOR GENERAL CONFORMANCE AND DESIGN INTENT, NOT FOR ACTUAL ENGINEERING OF PANEL OR COMPONENTS.
13. LAMINATED WOOD SUPPLIER SHALL PROVIDE ALL HANGERS, HARDWARE, AND ACCESSORIES NECESSARY FOR CONNECTIONS ASSOCIATED WITH LAMINATED WOOD MEMBERS.
14. CONTRACTOR SHALL PROVIDE COORDINATION BETWEEN LAMINATED WOOD AND STRUCTURAL STEEL SUPPLIER FOR ALL CONNECTION DETAILS PRIOR TO FABRICATION.
15. WOOD TO STEEL CONNECTION, HANGERS, AND HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF LAMINATED WOOD SHALL BE FURNISHED BY THE STRUCTURAL STEEL SUPPLIER.
16. SHEATHING AND/OR BRACING SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF THE FLOOR OR ROOF ABOVE.
17. SHEATHING SHEET SIZES SHALL BE 4'-0"x8'-0" (MIN) EXCEPT AT BOUNDARIES. INSTALL SHEETS WITH THE LONG DIMENSION OR STRENGTH AXIS OF THE PANEL PERPENDICULAR TO SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS OF ADJACENT SHEETS.
18. FASTEN SHEATHING TO SUPPORTING MEMBERS AS FOLLOWS:
    - ROOF SHEATHING (UNBLOCKED): 8d COMMON NAILS AT 6" O/C AT SUPPORTED PANEL EDGES AND AT DIAPHRAGM BOUNDARIES AND 12" O/C AT INTERMEDIATE SUPPORTS.
    - FLOOR SHEATHING (UNBLOCKED): 8d RING SHANK NAILS AT 6" O/C AT SUPPORTED PANEL EDGES AND AT DIAPHRAGM BOUNDARIES AND 12" O/C AT INTERMEDIATE SUPPORTS.
    - BRACEWALL SHEATHING: SEE BRACEWALL SCHEDULE

FABRICATED WOOD TRUSSES:

1. WOOD TRUSSES SHALL BE DESIGNED FOR THE LOADS INDICATED ON THE PLAN BY THE TRUSS FABRICATOR AND IN ACCORDANCE WITH THE TPI AND NFPA FOR METAL PLATE CONNECTED WOOD TRUSSES.
2. WOOD TRUSSES ARE SHOWN AS A GENERAL LAYOUT ONLY, EXCEPT GIRDER TRUSSES, WITH FINAL LAYOUT AS DETERMINED BY THE TRUSS FABRICATOR.
3. GIRDER TRUSS LOCATIONS SHOWN SHALL REMAIN UNLESS A CHANGE REQUEST IS REVIEWED AND APPROVED BY THE EOR.
4. WOOD TRUSSES AND GIRDERS SHALL BE FASTENED TO SUPPORTING MEMBERS W/ (2) 16d COMMON NAILS (MIN) AND WITH METAL CLIPS AS NECESSARY. ROOF TRUSSES SHALL ALSO BE FASTENED WITH SIMPSON H2.5T HURRICANE TIES UNLESS OTHERWISE NOTED.
5. WOOD TRUSS TO GIRDER AND TRUSS TO TRUSS CONNECTIONS SHALL BE BY THE WOOD TRUSS FABRICATOR.
6. WOOD TRUSS DESIGNER SHALL PROVIDE CONTINUOUS RIBBONS, SOLID BLOCKING, OR BLOCKING PANELS BETWEEN TRUSSES AT BEARING, HIP, AND RIDGE LINES FOR FASTENING OF DECK/SHEATHING AS REQUIRED BY TRUSS DESIGN UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL FOLLOW GUIDELINES OF THE BCSI AND TPI FOR SETTING, ERECTION, AND BRACING (TEMPORARY AND PERMANENT) OF WOOD TRUSSES. BRIDGING OR BRACING SHOWN ON THESE DRAWINGS IS SCHEMATIC.
8. CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL DUCTWORK AND OPENINGS WITH WOOD TRUSS FABRICATOR.
9. WOOD TRUSS DEFLECTION SHALL MEET THE MINIMUM REQUIREMENTS AS FOLLOWS: FLOOR L/480 LIVE LOAD AND L/360 TOTAL LOAD; ROOF L/360 LIVE LOAD AND L/240 TOTAL LOAD.
10. WOOD TRUSS DESIGNER SHALL DESIGN TOP AND BOTTOM CHORDS FOR 10 PSF DEAD LOAD AT ROOF TRUSSES AND TOP CHORD OF 15 PSF WITH BOTTOM CHORD OF 10 PSF AT FLOOR TRUSSES. UNLESS A GREATER LOAD IS SHOWN WITHIN THE CONTRACT DOCUMENTS.

DESIGN CRITERIA AND LOADS
(IN ADDITION TO THOSE INDICATED ON PLANS & DETAILS)

OCCUPANCY	BUILDING RISK CATEGORY		II
DEAD LOADS	(SUPERIMPOSED)		
	ROOF		20 PSF (10 TC/10 BC)
	FLOOR		25 PSF (15 TC/10 BC)
LIVE LOADS			
	CORRIDORS & STAIRS		100 PSF
	RESIDENTIAL UNITS		40 PSF
SNOW LOAD			
	GROUND SNOW LOAD	Pg	81 PSF
	SNOW EXPOSURE FACTOR	Ce	1.00
	IMPORTANCE FACTOR	Is	1.00
	THERMAL FACTOR (HEATED)	Ct	1.00
	THERMAL FACTOR (UNHEATED)	Ct	1.20
	FLAT ROOF SNOW LOAD (HEATED)	Pf	57 PSF
	FLAT SNOW LOAD (UNHEATED)	Pf	68 PSF
	SNOW DRIFT LOAD (ADDITIVE)		SEE PLAN
	UNBALANCED SNOW (ULTIMATE)		AS PER ASCE 7
WIND DESIGN	(STRENGTH LEVEL UON)		
MAIN WIND FORCE RESISTING SYSTEM	BASIC WIND SPEED	V	111 MPH
	EXPOSURE CATEGORY		C
	BUILDING TYPE		ENCLOSED
	INTERNAL PRESSURE COEFFICIENT	GCpi	+/-0.18
	NET UPLIFT		10 PSF

COMPONENTS AND CLADDING DESIGN PRESSURE

	ZONE 1	24.2/-43.4 PSF	16.0/-26.9 PSF
	ZONE 2	24.2/-59.8 PSF	16.0/-32.4 PSF
	ZONE 3	24.2/-59.8 PSF	16.0/-32.4 PSF
	ZONE 4	32.4/-35.1 PSF	24.2/-26.9 PSF
	ZONE 5	32.4/-43.4 PSF	24.2/-26.9 PSF
	a = 5'-4"		
	Ae = EFFECTIVE AREA FOR C & C PRESSURES		

SEISMIC DESIGN			
	SEISMIC DESIGN CATEGORY		A
	SEISMIC FORCE RESISTING SYSTEM		II
	IMPORTANCE FACTOR	Ie	1.0
	SITE CLASS		D
	SPECTRAL RESPONSE ACCELERATION	Ss	0.058
		S1	0.016
	SPECTRAL DESIGN RESPONSE COEFFICIENT	Sds	0.052
		Sd1	0.023
GEOTECHNICAL			
	ALLOWABLE SOIL BEARING PRESSURE	fbrg	2000 PSF

CAST IN PLACE CONCRETE (NON-PRESTRESSED) COVER

ACI 318 - STRUCTURAL CONCRETE

UNLESS NOTED OTHERWISE ON DRAWINGS		COVER (INCHES)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		3
EXPOSED TO EARTH OR WEATHER		
	#6 THROUGH #18 BARS	2
	#5 AND SMALLER	1 1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND		
SLABS, WALLS, JOISTS	#14 & #18 BARS	1 1/2
	#11 BARS AND SMALLER	3/4
BEAMS, COLUMNS	PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2
	SLAB ON GRADE / SLAB ON METAL DECK	CENTERED

MATERIAL STRENGTHS

CONCRETE		
	28 DAY COMPRESSIVE STRENGTH	f'c
	FOOTINGS	4,000 PSI
	FOUNDATION WALLS/ PIERS	4,000 PSI
	SLABS	4,000

REQUIRED SPECIAL INSPECTION OF CONCRETE CONSTRUCTION [1]

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC
1. INSPECTION OF REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	--	X
2. REINFORCING BAR WELDING:	--	--
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706	--	X
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND	--	X
C. INSPECT ALL OTHER WELDS	X	--
3. INSPECTION OF ANCHORS CAST INTO CONCRETE	--	X
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	--	X
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARD INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	--
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	--	X
5. VERIFYING USE OF REQUIRED DESIGN MIX	--	X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	--
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	--
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	--	X
9. INSPECTION OF PRESTRESSED CONCRETE FOR:	--	--
A. APPLICATION OF PRESTRESSING FORCED; AND	N/A	--
B. GROUTING OF BONDED PRESTRESSING TENDONS	N/A	--
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	--	N/A
11. VERIFICATION IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	--	N/A
12. INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS PRIOR TO CONCRETE POUR	--	X
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

REQUIRED SPECIAL INSPECTION OF STEEL CONSTRUCTION [1]

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS:		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	--	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	--	X
2. INSPECTION OF HIGH-STRENGTH BOLTING		
A. SNUG-TIGHT JOINTS	--	X
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	--	N/A
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION	N/A	--
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	--	X
B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	--	X
C. MANUFACTURER'S CERTIFIED TEST REPORTS	--	X
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	--	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	--	X
5. INSPECTION OF WELDING		
A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK		
1. COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	X	--
2. MUTLIPASS FILLET WELDS	X	--
3. SINGLE-PASS FILLET WELDS >5/16"	X	--
4. PLUG AND SLOT WELDS	X	--
5. SINGLE-PASS FILLET WELDS of 5/16" AND LESS	--	X
6. FLOOR AND ROOF DECK WELDS	--	X
B. REINFORCING STEEL		
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	--	X
2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES	X	--
3. SHEAR REINFORCEMENT	X	--
4. OTHER REINFORCING STEEL	--	X
4. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE		
A. DETAILS SUCH AS BRACING AND STIFFENING	--	N/A
B. MEMBER LOCATIONS	--	N/A
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	--	N/A
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND AISC STANDARDS		

INSPECTION TASKS PRIOR TO WELDING [1]

INSPECTION TASKS PRIOR TO WELDING	QUALITY ASSURANCE	QUALITY CONTROL
1. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	O	P
2. WSP AVAILABLE	P	P
3. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P
4. MATERIAL IDENTIFICATIONS (TYPE/GRADE)	O	O
5. MATERIAL IDENTIFICATIONS SYSTEM [a]	O	O
6. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACE) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O
7. FIT-UP OF CJP GROOVE WELDS OF HSS, T-, Y- AND K- JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACE) • TACKING (TACK WELD QUALITY AND LOCATION)	O	P
8. CONFIGURATION AND FINISH OF ACCESS HOLES	O	O
9. FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACE • TACKING (TACK WELD QUALITY AND LOCATION)	O	O
10. CHECK WELDING EQUIPMENT	--	O
NOTE: "P" DENOTES PERFORM; "O" DENOTES OBSERVE		
NOTE a: THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW--STRESS TYPE.		
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

INSPECTION TASKS DURING WELDING [1]

INSPECTION TASKS DURING WELDING	QUALITY ASSURANCE	QUALITY CONTROL
1. CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O O	O O
2. NO WELDING OVER CRACKED TACK WELDS	O	O
3. ENVIRONMENTAL CONDITIONS • WIND SPEED WITH LIMITS • PRECIPITATION AND TEMERATURE	O	O
4. WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) • PROPER POSITIONS (F, V, H, OH)	O	O
5. WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EASH PASS MEETS QUALITY REQUIREMENTS	O	O
6. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P
NOTE: "P" DENOTES PERFORM; "O" DENOTES OBSERVE		
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

INSPECTION TASKS AFTER WELDING [1]

INSPECTION TASKS DURING WELDING	QUALITY ASSURANCE	QUALITY CONTROL
1. WELDS CLEANED	O	O
2. SIZE, LENGTH, AND LOCATION OF WELDS	P	P
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE METAL FUSION • CRATER CROSS SECTION • WELD PROFILE • WELD SIZE • UNDERCUT • POROSITY	P	P
4. ARC STRIKES	P	P
5. K-AREA[b]	P	P
6. WELD-ACCESS HOLES IN ROLLED HEAVY SHAPED AND BUILT-UP HEAVY SHAPES[b]	P	P
7. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P
8. REPAIR ACTIVITIES	P	P
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P
10. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O
NOTE: "P" DENOTES PERFORM; "O" DENOTES OBSERVE		
NOTE a: WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA. VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN (75 MM) OF THE WELD		
NOTE b: AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1D) ARE WELDED. VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.		
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

INSPECTION TASKS PRIOR TO BOLTING [1]

INSPECTION TASKS PRIOR TO BOLTING	QUALITY ASSURANCE	QUALITY CONTROL
1. MANUFACTURERS CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	P	O
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O
4. CORRECT BOLTING PROCEDURES SELECTED FOR JOINT DETAILS	O	O
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS		
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	O	P
7. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	O
NOTE: "P" DENOTES PERFORM; "O" DENOTES OBSERVE		
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

INSPECTION TASKS DURING BOLTING [1]

INSPECTION TASKS DURING TO BOLTING	QUALITY ASSURANCE	QUALITY CONTROL
1. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED	O	O
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRE-TENSIONING OPERATION	O	O
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O
4. FASTENERS ARE PRE-TENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O
NOTE: "P" DENOTES PERFORM; "O" DENOTES OBSERVE		
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

INSPECTION TASKS AFTER BOLTING [1]

INSPECTION TASKS AFTER TO BOLTING	QUALITY ASSURANCE	QUALITY CONTROL
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P
NOTE: "P" DENOTES PERFORM; "O" DENOTES OBSERVE		
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

REQUIRED SPECIAL INSPECTION OF SOILS [1]

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC
1. VERIFY MATERIAL BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY	--	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	--	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	--	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	--
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	--	X
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC		

REQUIRED SPECIAL INSPECTION AND TESTS FOR WIND RESISTANCE ON WIND-RESISTING COMPONETS [1]

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. FASTENING OF ROOF COVERING, ROOF DECK, ROOF FRAMING CONNECTIONS, EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGM AND FRAMING	-	X
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

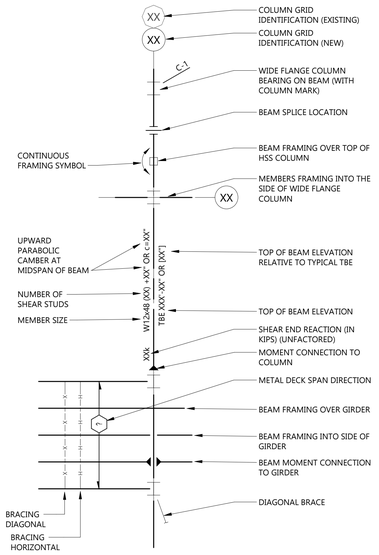
REQUIRED SPECIAL INSPECTION AND TESTS OF WOOD CONSTRUCTION [1]

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. SPECIAL INSPECTION OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2.5 OF THE IBE 2018.	-	X
2. OWNER WILL ENGAGE A QUALIFIED SPECIAL INSPECTOR TO VERIFY TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.	-	X
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

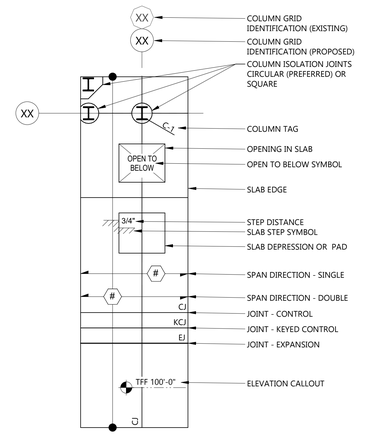
REQUIRED SPECIAL INSPECTION AND TESTS FOR WIND RESISTANCE ON STRUCTURAL WOOD [1]

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. DURING FIELD GLUING OPERATIONS OF THE MAIN WIND FORCE-RESISTING SYSTEM	X	-
2. FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM. INCLUDING SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDDOWNS.	-	X
NOTE 1: ALL SPECIAL INSPECTION IN ACCORDANCE WITH CURRENT IBC AND ACI STANDARDS		

STEEL FRAMING LEGEND

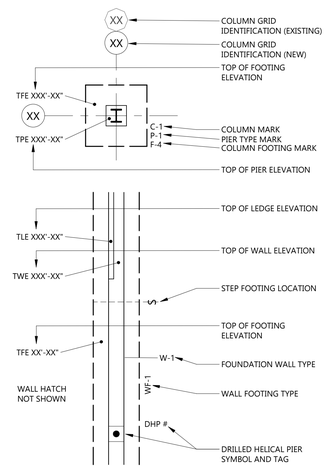


STRUCTURAL SLAB LEGEND



NOTE:
SOME SYMBOLS, COMPONENTS OR TAGS IN THE LEGENDS ARE DUMMY ONES, USE THE ACTUAL SYMBOLS, COMPONENTS OR TAGS. IF THE ACTUAL DOESN'T WORK THEN USE THE DUMMY ONES.

FOUNDATION LEGEND



A		G		Q	
AB	ANCHOR BOLT	GA	GAUGE	QTY	QUANTITY
ADDL	ADDITIONAL	GALV	GALVANIZED	R	
ADH	ADHESIVE	GLB	GLUE-LAMINATED BEAM	R	RISER
ADJ	ADJUSTABLE	GR	GRADE	RAD	RADIUS
ADJC	ADJACENT	H		RCP	REINFORCED CONCRETE PIPE
AEFS	ARCHITECTURALLY EXPOSED FABRICATIONS STEEL	HC	HOLLOW CORE	RD	ROOF DRAIN
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HEX	HEXIGONAL	REBAR	REINFORCING BAR
		HGT	HEIGHT	REF	REFERENCE)
AFF	ABOVE FINISHED FLOOR	HORIZ	HORIZONTAL	REINF	REINFORCE(E) (ED) (ING) (EMENT)
AL	ALUMINUM	HPT	HIGH POINT		
ANC	ANCHOR(AGE)	HR	HANDRAIL	REM	REMOVABLE
APPROX	APPROXIMATE	HSS	HOLLOW STRUCTURAL SECTION	REQD	REQUIRED
ARCH	ARCHITECT(URAL)	I		RF	ROOF
ASSY	ASSEMBLY	ID	INSIDE DIAMETER	RO	ROUGH OPENING
B		IF	INSIDE FACE	S	
B/F	BOTH FACES	INFO	INFORMATION	S	S SHAPE
BBE	BEAM BEARING ELEVATION	INS	INSULATION	SC	SOLID CORE
BFE	BOTTOM OF FOOTING	IT	INVERTED TEE	SCHED	SCHEDULE
BLDG	BUILDING	J		SF	SQUARE FOOT
BLK(G)	BLOCK(ING)	JBE	JOIST BEARING ELEVATION	SIM	SIMILAR
BM	BEAM	JST	JOIST	SL	SNOW LOAD
BP	BENT PLATE	JT	JOINT	SLV	SLEEVE
BRDG	BRIDG(E) (ING)	K		SOG	SLAB-ON-GRADE
BRG	BEARING	k	KIP	SPEC(S)	SPECIFICATION(S)
BRK	BRICK	KCJ	KEYED CONTROL JOINT	SQ	SQUARE
BT	BENT	KO	KNOCK OUT	SS	STAINLESS STEEL
BTM	BOTTOM	L		STIF	STIFFENER
BTOB	BACK-TO-BACK	L	ANGLE	STL	STEEL
C		LB	POUND	STRUCT	STRUCTUR(E) (AL)
C	AMERICAN STANDARD CHANNEL	LIN	LINEAR	SYM	SYMMETR(Y) (ICAL)
C/C	CENTER TO CENTER	LL	LIVE LOAD	T	
CAP	CAPACITY	LLH	LONG LEG HORIZONTAL	T&B	TOP AND BOTTOM
CF	CUBIC (FOOT) (FEET)	LLV	LONG LEG VERTICAL	TBE	TOP OF BEAM ELEVATION
CHAM	CHAMFER	LOC	LOCATE) (ION)	TCE	TOP OF PILE CAP (DRILLED PIER CAP) ELEVATION
CHKD	CHECKED	LONG	LONGITUDINAL(Y)	TDE	TOP OF DECK ELEVATION
CIP	CAST-IN-FLACE	LPT	LOW POINT	TEMP	TEMPERATURE/TEMPORARY
CJ	CONTROL/CONSTRUCTION JOINT	LTL	LINTEL	TFE	TOP OF FOOTING ELEVATION
CJP	COMPLETE JOINT PENETRATION	LW	LIGHT WEIGHT	TFF	TOP OF FINISHED FLOOR
		LWC	LIGHT WEIGHT CONCRETE	TJE	TOP OF JOIST ELEVATION
CL	CNETERLINE	M		TLE	TOP OF LEDGE ELEVATION
CLR	CLEAR	MAS	MASONRY	TME	TOP OF MASONRY ELEVATION
CM	CORRUGATED METAL	MAX	MAXIMUM	TPE	TOP OF PIER ELEVATION
CMU	CONCRETE MASONRY UNIT	MC	MISCELLANEOUS CHANNEL	TRANS	TRANSVERSE
COL	COLUMN	MECH	MECHANICAL	TSE	TOP OF SLAB ELEVATION
COMP	COMPOSITE	MEZZ	MEZZANINE	TWE	TOP OF WALL ELEVATION
CONC	CONCRETE	MFR	MANUFACTURER	TYP	TYPICAL
CONN	CONNECT(ION)	MIN	MINIMUM	U	
CONST	CONSTRUCTION	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINU(E) (OUS) (ATION)	MTL	METAL	UON	UNLESS OTHERWISE NOTED
CONTR	CONTRACTOR	N		V	
COORD	COORDINATE	NIC	NOT IN CONTRACT	VAR	VARIES
CORR	CORRIDOR	NO	NUMBER	VERT	VERTICAL
D		NOM	NOMINAL	VIF	VERIFY IN FIELD
D&E	DRILL AND EPOXY GROUT	NS	NEAR SIDE	VR	VAPOR BARRIER
DBA	DEFORMED BAR ANCHOR	NSG	NON-SHRINK GROUT	W	
DBE	DECK BEARING ELEVATION	NTS	NOT TO SCALE	W	WIDE FLANGE SHAPE
DBL	DOUBLE	NW	NORMAL WEIGHT	W/	WITH
DETL	DETAIL	O		W/O	WITHOUT
DIA	DIAMETER	O/C	ON CENTER	W/D	WOOD
DIAG	DIAGONAL	O/D	OUTSIDE DIAMETER	WL	WIND LOAD
DIM	DIMENSION	O/F	OUTSIDE FACE	WPT	WORK(ING) POINT
DL	DEAD LOAD	OH	OVERHEAD	WS	WATER STOP
DO	DITTO	OPG	OPENING	WT	WEIGHT/STRUCTURAL TEE
DR	DOOR	OPP	OPPOSITE	WWF	WELDED WIRE FABRIC
DT	DOUBLE TEE/DRAIN TILE	P		WWM	WELDED WIRE MESH
DWG(S)	DRAWING(S)	PAR	PARALLEL	X	
DWL	DOWEL (REBAR)	PC	PRECAST	X'(D)	EXPOSE(D)
E		P/P	PARTIAL JOINT PENETRATION	SPECIAL SYMBOLS	
E/F	EACH FACE	PL	PLATE	#	POUND
E/S	EACH SIDE	PLF	POUNDS PER LINEAL FOOT	/	PER
E/W	EACH WAY	PLWD	PLYWOOD	@	AT
EA	EACH	PNL	PANEL	°	DEGREE
EB	EXPANSION BOLT	PNT	PAINT	Ø	DIAMETER
EJ	EXPANSION JOINT	PROJ	PROJECT(ION) (OR)	℄	CENTERLINE
EL	ELEVATION	PSF	POUNDS PER SQUARE FOOT	∠	ANGLE
EQ	EQUAL	PSI	POUNDS PER SQUARE INCH		
EQP	EQUIPMENT	PT	POST TENSION(ED) (ING)		
ETR	EXISTING TO REMAIN	PVC	POLY-VINYL CHLORIDE		
EX	EXISTING				
EXP	EXPOSED/EXPANSION				
F					
F/S	FAR SIDE				
FB	FACE BRICK				
FD	FLOOR DRAIN				
FFE	FINISHED FLOOR ELEVATION				
FIN	FINSHI(ED)				
FL	FLOOR				
FLG	FLANGE				
FNDN	FOUNDATION				
FTG	FOOTING				

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CONSULTANTS

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

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PE-6697
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NORTH DAKOTA

DRAWING TITLE
SPECIAL INSPECTION TABLES

S002

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CONCRETE PIER SCHEDULE

MARK	PIER SIZE	REINFORCING		REMARKS
		VERTICAL	TIE SIZE/SPACING	
P-1	18" x 18"	(4) #6	(3) #3 WITHIN TOP 5", REMAINDER @ 12" O/C	

NOTES:
1. CIP CONCRETE PIER CAST MONOLITHICALLY WITH FOUNDATION WALL WHERE APPLICABLE.
2. TYPICAL HORIZONTAL WALL REINFORCING TO RUN CONTINUOUS THROUGH PIER WHERE APPLICABLE.
3. PLACE PIER SUCH THAT COLUMN ANCHOR RODS & REINF ARE CONTAINED WITHIN PIER TIES.
4. BLOCKOUT FOUNDATION WALL AS REQUIRED FOR INSTALLATION OF STEEL BASE PLATE/COLUMN CONTRACTOR TO COORDINATE LAYOUTS.

FOUNDATION WALL SCHEDULE

MARK	WIDTH	MATERIAL	REINFORCING		REMARKS
			VERTICAL	HORIZONTAL	
W-1	8"	CONC	#5 @ 18" O/C	#5 @ 18" O/C	
W-2	10"	CONC	#5 @ 12" O/C	#5 @ 12" O/C	
W-3	1'-0"	CONC	#5 @ 18" O/C EACH FACE	#5 @ 18" O/C EACH FACE	6" WIDE x 8" DEEP LEDGE

CONTINUOUS FOOTING SCHEDULE

MARK	FOOTING SIZE		REINFORCING		REMARKS
	WIDTH	THICKNESS	LONGITUDINAL	TRANSVERSE	
WF-1	2'-0"	1'-0"	(2) #5	-	
WF-2	2'-6"	1'-0"	(2) #5	-	
WF-3	3'-0"	1'-0"	(3) #5	-	

SPREAD FOOTING SCHEDULE

MARK	FOOTING		REINFORCING	REMARKS
	SIZE	THICKNESS		
F-1	3'-0" x 3'-0"	12"	(3) #5 EACH WAY	
F-2	4'-0" x 4'-0"	12"	(4) #5 EACH WAY	
F-3	5'-0" x 5'-0"	12"	(5) #5 EACH WAY	

THICKENED SLAB SCHEDULE

MARK	THICKENED SLAB SIZE		REINFORCING	REMARKS
	WIDTH	THICKNESS		
TS-1	2'-0"	1'-0"	(2) #5 CONT	
TS-2	3'-0"	1'-0"	(3) #5 CONT, #5 @ 12" O/C TRANS	
TS-3	2'-0"	18"	(2) #5 CONT	

TFE = 95'-0" UON
TWE = 100'-0" UON
TPE = 99'-4" UON
TFF = 100'-0" UON

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

01 4" THICK CONCRETE SLAB-ON-GRADE OVER 6" COMPACTED SAND DRAINAGE COURSE OVER 10 MIL VAPOR BARRIER. REINFORCE SLAB W/ #3 @ 18" O/C EACH WAY, CENTERED IN SLAB. TFF = 100'-0".

02 HSS 4x4x1/4" STEEL COLUMN W/ 10"x10"x3/4" THICK BASE PLATE. FASTEN TO PIER W/ (4) 3/4"Ø ANCHOR RODS W/ 8" MIN EMBED.

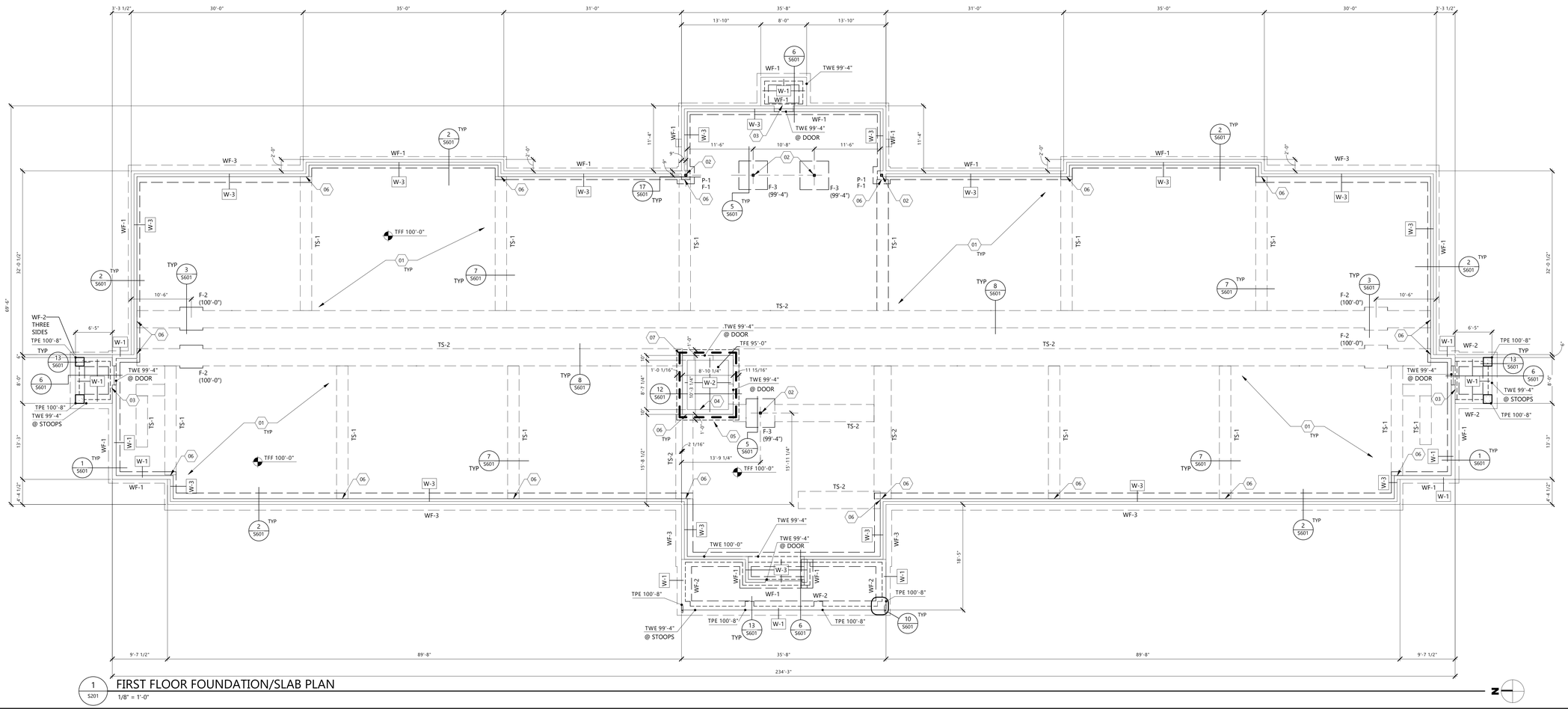
03 THICKEN FOUNDATION WALL 4" WITHIN STOOP FOUNDATION WALLS.

04 CONTRACTOR TO VERIFY ELEVATOR PIT DIMENSIONS & DEPTH W/ ELEVATOR SUPPLIER PRIOR TO CONSTRUCTION.

05 12" THICK CONCRETE SLAB @ ELEVATOR PIT. REINFORCE W/ #5 @ 12" O/C EACH WAY @ TOP & BOTTOM.

06 DOWEL THICKENED SLAB TO FOUNDATION WALL W/ (2) #4x2'-0" DOWELS AND HILTI HY-150 MAX ADHESIVE. PROVIDE 4" EMBEDMENT INTO FOUNDATION WALL (TYP).

07 PROVIDE DRAINTILE AROUND ELEVATOR PIT TO SUMP - SEE MECH.



1 S201 FIRST FLOOR FOUNDATION/SLAB PLAN
1/8" = 1'-0"

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CITY JAMESTOWN
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DRAWING TITLE
FIRST FLOOR
FOUNDATION/SLAB
PLAN

S201

WOOD HEADER SCHEDULE

MARK	SIZE	JAMB STUDS: STUDS TO HEADER BRG	JAMB STUDS: STUDS FULL HEIGHT	REMARKS
H-1	(2) 2x6	2	2	-
H-2	(2) 2x8	2	2	-
H-3	(2) 2x8	3	2	-
H-4	(2) 2x12	3	2	-
H-5	(3) 2x12	3	2	-
H-6	(3) 2x12	3	2	-
H-7	(2) 1 3/4" x9 1/4" LVL	2	2	-
H-8	(3) 1 3/4" x9 1/4" LVL	2	3	-
H-9	(3) 1 3/4" x14" LVL	3	2	-

NOTES:
1. FASTEN ALL MULTI-STUD MEMBERS TOGETHER USING (2) ROWS OF 10d NAILS @ 8" O/C.
2. PROVIDE ONLY (1) FULL HEIGHT JAMB FOR HEADERS USED @ INTERIOR APPLICATIONS.

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

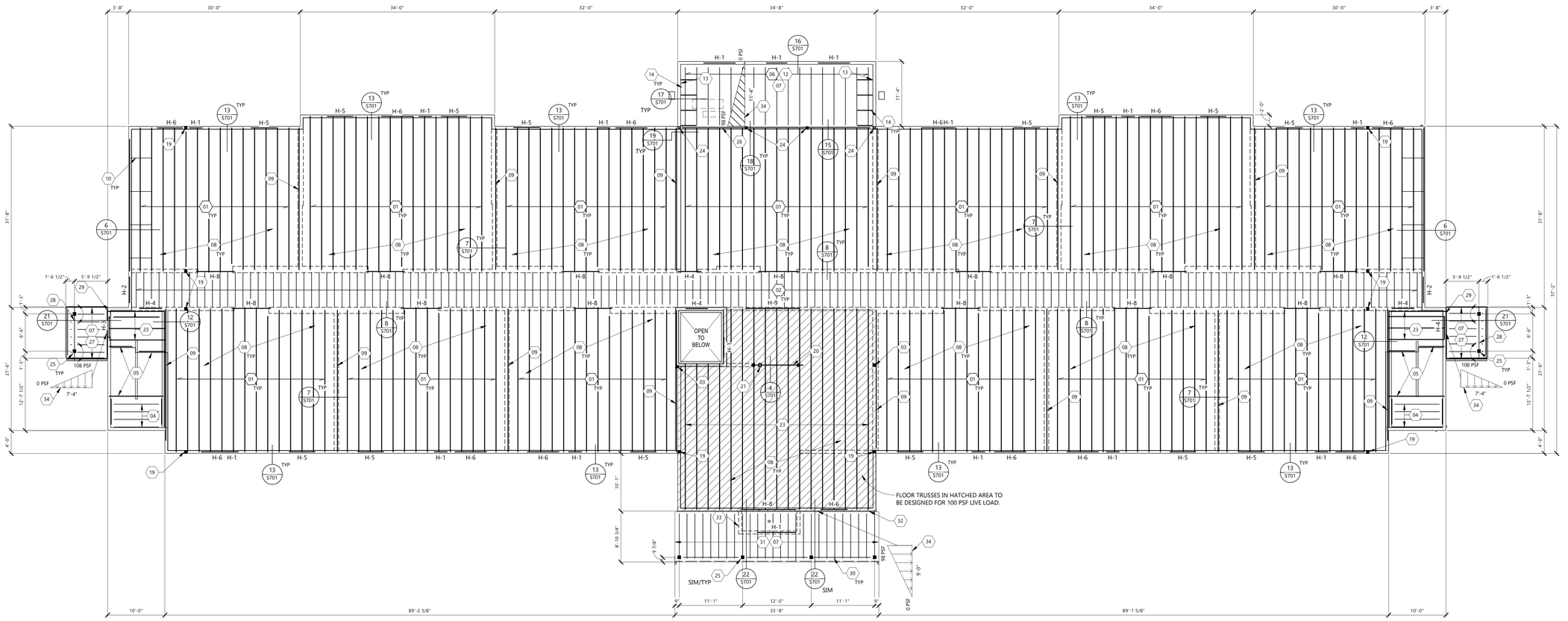
01	22" DEEP PRE-ENGINEERED WOODEN FLOOR TRUSSES @ 24" O/C. DESIGN TRUSSES FOR 40 PSF TOP CHORD LIVE LOAD.
02	9 1/2" TJI @ 16" O/C. DESIGN FOR 100 PSF LIVE LOAD.
03	SEE NOTE #18 ON S203.
04	2x14 SPF No1/No2 JOISTS @ 16" O/C. (VERIFY LANDING ELEVATION W/ ARCH).
05	(3) 2x14 SPF No1/No2.
06	PRE-ENGINEERED WOODEN ROOF TRUSSES @ 24" O/C
07	23/32" APA RATED (SPAN RATING 48/24) ROOF SHEATHING. FASTEN W/ 8d NAILS @ 6" O/C @ PANEL EDGES & 12" O/C @ INTERMEDIATE MEMBERS.
08	3/4" TONGUE AND GROOVE APA RATED (SPAN RATING 24" O/C) STURD-I-FLOOR SHEATHING. APPLY PANELS W/ STRONG AXIS PERPENDICULAR TO FLOOR FRAMING. FASTEN SHEATHING TO FLOOR FRAMING W/ A BEAD OF CONSTRUCTION ADHESIVE AND 8d RING SHANK NAILS @ 6" O/C AT PANEL EDGES & 12" O/C AT INTERMEDIATE SUPPORTS.
09	PROVIDE ADDITIONAL TRUSS W/ VERTICALS @ 16" O/C AT BRACED WALL LOCATIONS. SEE SHEET S301, S302, & S303 SHEETS FOR BRACED WALL LOCATIONS.
10	TRUSS BLOCKING PANELS @ 6'-0" O/C MAX. SEE DETAIL 6/S701.
11	NOT USED.
12	ROOF TRUSSES BEARING ON STEEL BEAM MUST BE PLACED DIRECTLY ADJACENT TO FLOOR TRUSSES.
13	PROVIDE AN ADDITIONAL TRUSS ADJACENT TO INSIDE FACE OF EXTERIOR WALL.
14	BLOCKING BETWEEN TOP CHORD OF TRUSSES @ 32" O/C. ALIGN BLOCKING WITH STUDS.
15	NOT USED.
16	NOT USED.

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

17	NOT USED.
18	NOT USED.
19	SEE NOTE #9 ON S204.
20	(3) 1 3/4"x16" LVL BEAM W/ HSS4x4x1/4 POST @ NORTH END W/ SIMPSON CCOQ68SDS2.5 COLUMN CAP, PROVIDE 3/16" FILLET WELD ALL AROUND TO TOP OF HSS POST. PROVIDE (3) 2x STUDS BELOW DOWN TO FOUNDATIONS @ SOUTH END.
21	HSS4x4x1/4 POST ABOVE W/ CCOQ68SDS2.5 COLUMN CAP @ BASE TO LVL BEAM BELOW, PROVIDE 3/16" FILLET WELD ALL AROUND TO BTM OF HSS POST.
22	NOT USED
23	22" DEEP PRE-ENGINEERED WOODEN FLOOR TRUSSES @ 24" O/C. DESIGN FOR 100 PSF TOP CHORD LIVE LOAD.
24	HSS 4x4x1/4" STEEL COLUMN
25	6x6 DF No2 COLUMN W/ SIMPSON CCQ3-65DS2.5 COLUMN CAP (CCQ4.62-5.50SDS @ SIM.
26	W8x18 (6k) STEEL BEAM. TOP OF BEAM ELEV = 109'-9 5/8"
27	2x6 SPF No 1/No 2 JOISTS @ 16" O/C.
28	(2) 2x6 SPF No 1/No 2 JOIST.
29	2x8 SPF No 1/No 2 LEDGER BOARD.
30	(3) 2x12 SPF No 1/No 2 JOIST.
31	2x10 SPF No 1/No 2 JOISTS @ 16" O/C.
32	2x12 SPF No 1/No 2 LEDGER BOARD.
33	NON-BRG EXTERIOR STUD WALL BELOW - SEE ARCH.
34	SNOW DRIFT AS PER ASCE 7-22

TBE = 109'-1 1/8"
T.O. SHEATHING ELEVATION = 110'-11 7/8"



1 / S202 SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

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APARTMENT COMPLEX

CITY JAMESTOWN
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NORTH DAKOTA

DRAWING TITLE
SECOND FLOOR
FRAMING PLAN

S202

WOOD HEADER SCHEDULE

MARK	SIZE	JAMB STUDS: STUDS TO HEADER BRG	JAMB STUDS: STUDS FULL HEIGHT	REMARKS
H-1	(2) 2x6	2	2	-
H-2	(2) 2x8	2	2	-
H-3	(2) 2x8	3	2	-
H-4	(2) 2x12	3	2	-
H-5	(3) 2x12	3	2	-
H-6	(3) 2x12	3	2	-
H-7	(2) 1 3/4" x9 1/4" LVL	2	2	-
H-8	(3) 1 3/4" x9 1/4" LVL	2	3	-
H-9	(3) 1 3/4" x14" LVL	3	2	-

NOTES:
1. FASTEN ALL MULTI-STUD MEMBERS TOGETHER USING (2) ROWS OF 10d NAILS @ 8" O/C.
2. PROVIDE ONLY (1) FULL HEIGHT JAMB STUD FOR HEADERS USED @ INTERIOR APPLICATIONS.

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

01 22" DEEP PRE-ENGINEERED WOODEN FLOOR TRUSSES @ 24" O/C. DESIGN TRUSSES FOR 40 PSF TOP CHORD LIVE LOAD.

02 22" DEEP PRE-ENGINEERED WOODEN FLOOR TRUSSES @ 24" O/C. DESIGN TRUSSES FOR 100 PSF TOP CHORD LIVE LOAD.

03 NOT USED.

04 2x14 SPF No1/No2 JOISTS @ 16" O/C. (VERIFY LANDING ELEVATION W/ ARCH).

05 (3) 2x14 SPF No1/No2.

06 NOT USED.

07 NOT USED.

08 3/4" TONGUE AND GROOVE APA RATED (SPAN RATING 24" O/C) STURD-I-FLOOR SHEATHING. APPLY PANELS W/ STRONG AXIS PERPENDICULAR TO FLOOR FRAMING. FASTEN SHEATHING TO FLOOR FRAMING W/ A BEAD OF CONSTRUCTION ADHESIVE AND 8d RING SHANK NAILS @ 6" O/C AT PANEL EDGES & 12" O/C AT INTERMEDIATE SUPPORTS.

09 PROVIDE ADDITIONAL TRUSS W/ VERTICALS @ 16" O/C AT BRACED WALL LOCATIONS. SEE SHEET S301, S302, & S303 SHEETS FOR BRACED WALL LOCATIONS.

10 TRUSS BLOCKING PANELS @ 6'-0" O/C MAX. SEE DETAIL 6/S701.

11 NOT USED.

12 NOT USED.

13 NOT USED.

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

14 NOT USED.

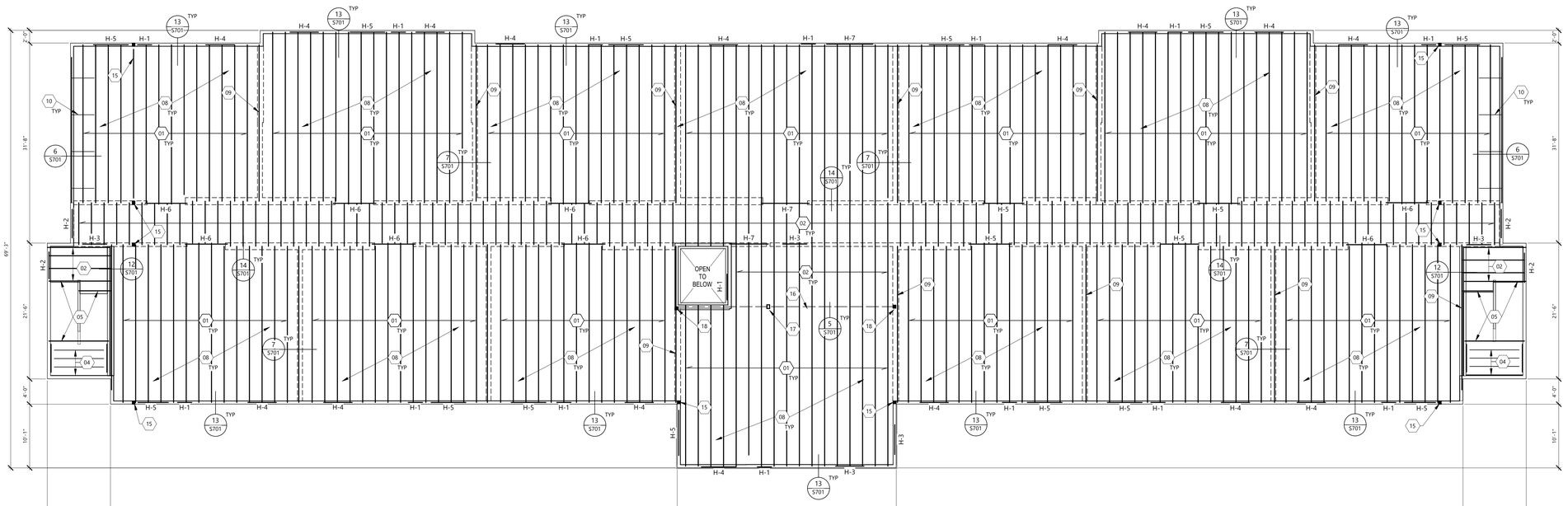
15 PROVIDE (3) 2x STUDS BELOW GIRDER TRUSS BRG DOWN TO FOUNDATION.

16 (4) 1 3/4"x16" LVL BEAM.

17 HSS4x4x1/4 POST BELOW W/ SIMPSON CCQQT1-4SDS2.5 COLUMN CAP, PROVIDE 3/16" FILLET WELD ALL AROUND TO TOP OF HSS POST.

18 PROVIDE (3) 2x STUDS BELOW BEAM DOWN TO FOUNDATION.

TBE = 120'-1"
T.O. SHEATHING ELEVATION = 121'-11 3/4"



1 / S203 THIRD FLOOR FRAMING PLAN
1/8" = 1'-0"

N

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CITY JAMESTOWN
STATE NORTH DAKOTA

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NORTH DAKOTA

DRAWING TITLE
THIRD FLOOR
FRAMING PLAN

S203

WOOD HEADER SCHEDULE

MARK	SIZE	JAMB STUDS: STUDS TO HEADER BRG	JAMB STUDS: STUDS FULL HEIGHT	REMARKS
H-1	(2) 2x6	2	2	-
H-2	(2) 2x8	2	2	-
H-3	(2) 2x8	3	2	-
H-4	(2) 2x12	3	2	-
H-5	(3) 2x12	3	2	-
H-6	(3) 2x12	3	2	-
H-7	(2) 1 3/4" x9 1/4" LVL	2	2	-
H-8	(3) 1 3/4" x9 1/4" LVL	2	3	-
H-9	(3) 1 3/4" x14" LVL	3	2	-

NOTES:
1. FASTEN ALL MULTI-STUD MEMBERS TOGETHER USING (2) ROWS OF 10d NAILS @ 8" O/C.
2. PROVIDE ONLY (1) FULL HEIGHT JAMB STUD FOR HEADERS USED @ INTERIOR APPLICATIONS.

TRUSS BEARING ELEVATION = 131'-0 7/8" UNO

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

01 PRE-ENGINEERED WOODEN ROOF TRUSSES @ 24" O/C.

02 PRE-ENGINEERED MULTI-PLY GIRDER TRUSS.

03 PRE-ENGINEERED MLTI-PLY CORNER GIRDER TRUSS.

04 PRE-ENGINEERED JACK TRUSSES @ 24" O/C.

05 PRE-ENGINEERED VALLEY TRUSSES @ 24" O/C.

06 TYPICAL MAIN ROOF SHEATHING TO RUN CONTINUOUS BELOW VALLEY TRUSSES @ DECK ROOF FRAMING.

07 2x4 OUTRIGGERS @ 24" O/C - SEE 20/S701 FOR OUTRIGGER CONNECTIONS.

08 PROVIDE ADDITIONAL TRUSS W/ VERTICALS @ 16" O/C AT BRACED WALL LOCATIONS. SEE SHEET S301, S302, & S303 SHEETS FOR BRACED WALL LOCATIONS.

09 PROVIDE (3) 2x STUDS BELOW GIRDER TRUSS BRG DOWN TO FOUNDATION.

10 23/32" APA RATED ROOF SHEATHING (SPAN RATING 48/24). APPLY PANELS W/ STRONG AXIS PERPENDICULAR TO ROOF FRAMING. FASTEN TO ROOF FRAMING W/ 8d NAILS @ 6" O/C AT PANEL EDGES AND 12" O/C AT INTERMEDIATE SUPPORTS.

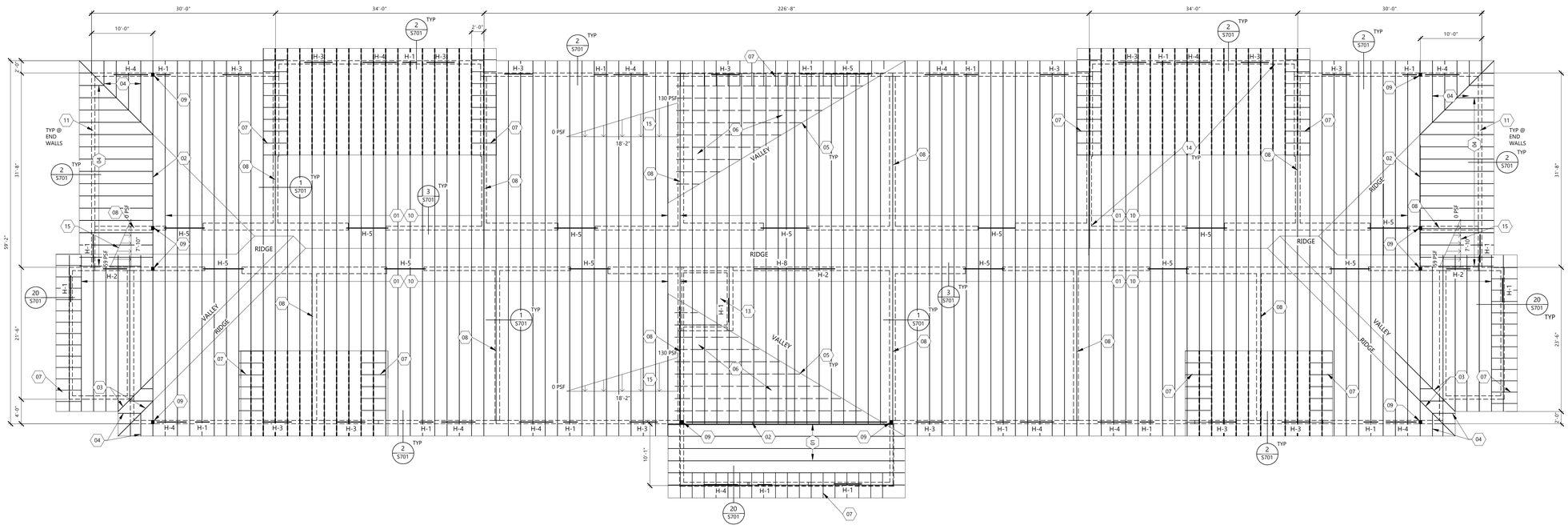
11 PROVIDE FULL DEPTH BLOCKING BETWEEN TRUSSES @ EVERY OTHER TRUSS SPACE. FASTEN SHEATHING TO BLOCKING W/ 8d NAILS @ 6" O/C. TOE-NAIL BLOCKING TO DOUBLE TOP PLATE W/ 16d NAILS @ 6" O/C. NAIL TO TRUSS VERTICALS W/ (3) 16d NAILS @ EACH END OF BLOCKING.

12 NOT USED

13 (3) 1 3/4" x 9 1/4" LVL ELEVATOR HOIST BEAM (TBE = 135'-1"). VERIFY FINAL LOCATION W/ ARCH & ELEVATOR SUPPLIER. PROVIDE (3) 2x STUDS BELOW HOIST BEAM BRG DOWN TO FOUNDATION EA SIDE.

14 HATCHED AREA INDICATES VAULTED CEILINGS BELOW.

15 SNOW DRIFT AS PER ASCE 7-22



1 S204 ROOF FRAMING PLAN
1/8" = 1'-0"

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DRAWING TITLE
ROOF FRAMING PLAN

S204

Revit Version:
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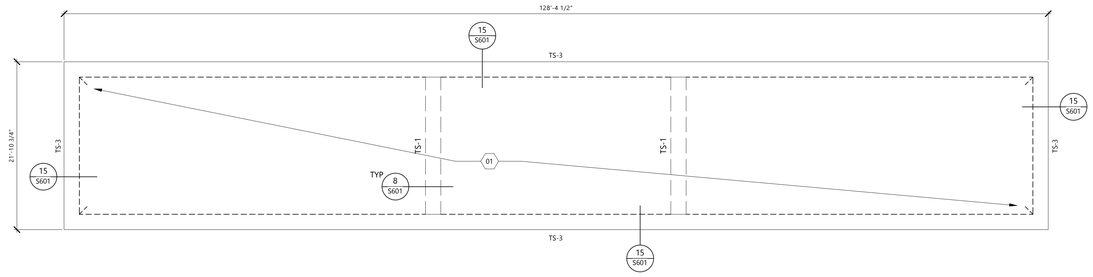
THICKENED SLAB SCHEDULE

MARK	THICKENED SLAB SIZE WIDTH	THICKNESS	REINFORCING	REMARKS
TS-1	2'-0"	1'-0"	(2) #5 CONT	
TS-2	3'-0"	1'-0"	(3) #5 CONT, #5 @ 12" O/C TRANS	
TS-3	2'-0"	18"	(2) #5 CONT	

KEYNOTE LEGEND:

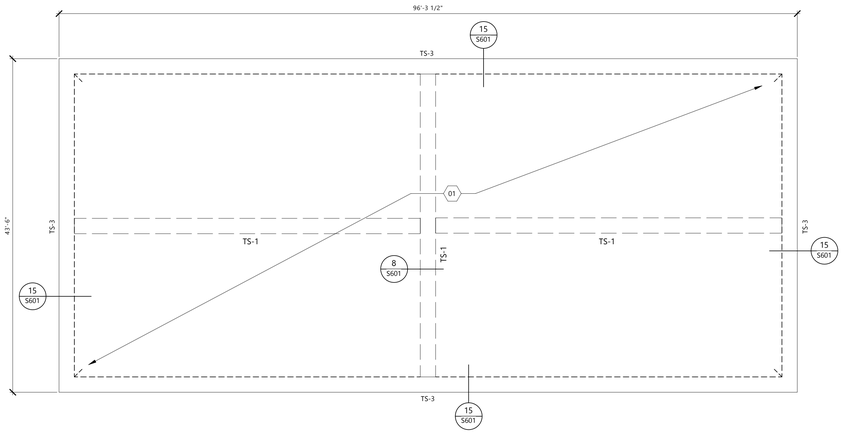
< < < INDICATES KEYNOTE ON PLAN

01 6" CONC SLAB ON GRADE W/ #4 @ 18" O/C EA WAY, CENTERED IN SLAB.



1 S205 HANDICAP GARAGE FOUNDATION/SLAB PLAN

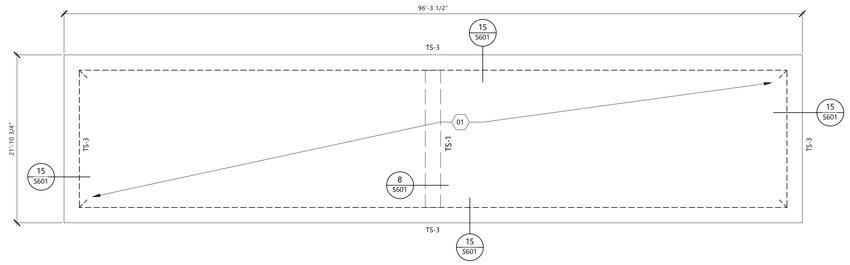
1/8" = 1'-0"



2 S205 DOUBLE GARAGE FOUNDATION/SLAB PLAN

1/8" = 1'-0"

(2) SINGLE GARAGES ON SITE. WEST GARAGE SHOWN. EAST GARAGE TO BE MIRROR COPY OF WEST GARAGE, SEE SHEET G003.



3 S205 SINGLE GARAGE FOUNDATION/SLAB PLAN

1/8" = 1'-0"

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

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REGISTERED PROFESSIONAL ENGINEER
SAMUEL J. WILKE
PE-6697
DATE 05-11-2026
NORTH DAKOTA

DRAWING TITLE
GARAGE FOUNDATION PLANS

S205

Revit Version:
Plot Date: 5/11/2026 3:06:03 PM

KEYNOTE LEGEND:

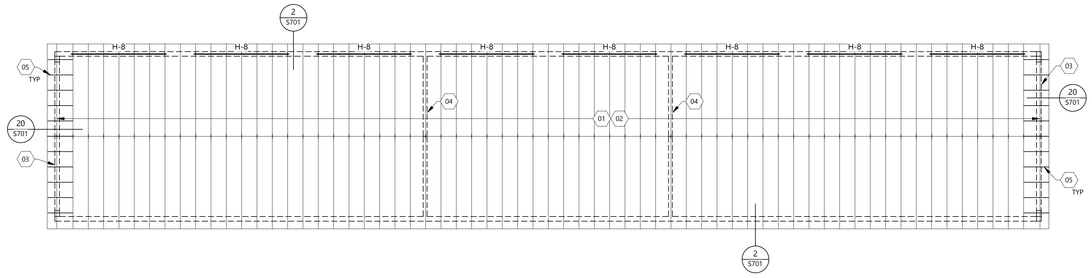
< < < INDICATES KEYNOTE ON PLAN

01	23/32" APA RATED ROOF SHEATHING (SPAN RATING 48/24). APPLY PANELS W/ STRONG AXIS PERPENDICULAR TO ROOF FRAMING. FASTEN TO ROOF FRAMING W/ 8d NAILS @ 6" O/C AT PANEL EDGES AND 12" O/C AT INTERMEDIATE SUPPORTS.
02	PRE-ENGINEERED WOODEN ROOF TRUSSES @ 24" O/C.
03	GABLE END TRUSS W/ DROPPED TOP CHORD W/ VERTS @ 16" O/C.
04	TRUSS SUPPLIER SHALL PROVIDE AN ADDITIONAL TRUSS @ BRACED WALL LOCATIONS. TRUSS SHALL HAVE VERTICAL MEMBERS @ 16" O/C (SEE SHEET S304 FOR LOCATIONS).
05	2x4 OUTRIGGERS @ 24" O/C.

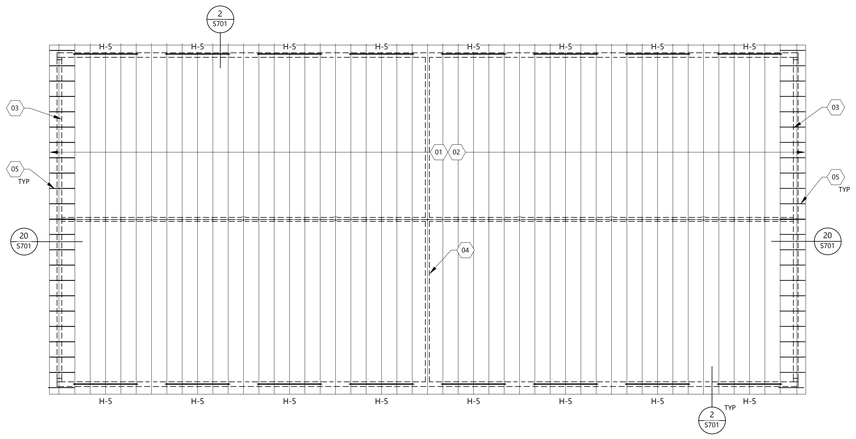
WOOD HEADER SCHEDULE

MARK	SIZE	JAMB STUDS: STUDS TO HEADER BRG	JAMB STUDS: STUDS FULL HEIGHT	REMARKS
H-1	(2) 2x6	2	2	-
H-2	(2) 2x8	2	2	-
H-3	(2) 2x8	3	2	-
H-4	(2) 2x12	3	2	-
H-5	(3) 2x12	3	2	-
H-6	(3) 2x12	3	2	-
H-7	(2) 1 3/4" x9 1/4" LVL	2	2	-
H-8	(3) 1 3/4" x9 1/4" LVL	2	3	-
H-9	(3) 1 3/4" x14" LVL	3	2	-

NOTES:
1. FASTEN ALL MULTI-STUD MEMBERS TOGETHER USING (2) ROWS OF 10d NAILS @ 8" O/C.
2. PROVIDE ONLY (1) FULL HEIGHT JAMB STUD FOR HEADERS USED @ INTERIOR APPLICATIONS.

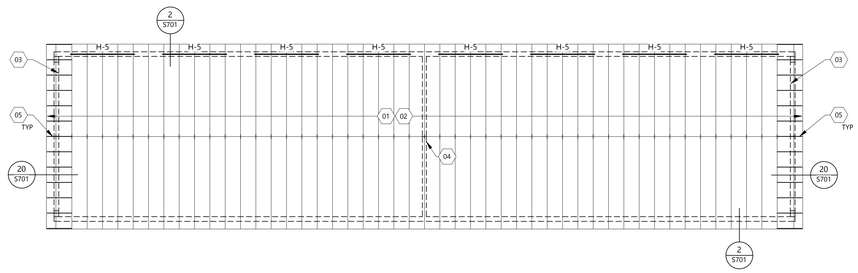


1 S206 HANDICAP GARAGE ROOF FRAMING PLAN
1/8" = 1'-0"



2 S206 DOUBLE GARAGE ROOF FRAMING PLAN
1/8" = 1'-0"

(2) SINGLE GARAGES ON SITE, WEST GARAGE SHOWN. EAST GARAGE TO BE MIRROR COPY OF WEST GARAGE, SEE SHEET G003.



3 S206 SINGLE GARAGE ROOF FRAMING PLAN
1/8" = 1'-0"

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
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APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

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NORTH DAKOTA

DRAWING TITLE
GARAGE ROOF
FRAMING PLANS

S206

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BRACED WALL SCHEDULE

MARK	SHEATHING	SHEATHING FASTENING	SILL PLATE FASTENING	TOP PLATE FASTENING
BW-1	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-2	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-3	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-4	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C

1 S301 FIRST FLOOR BRACED WALL PLAN
1/8" = 1'-0"

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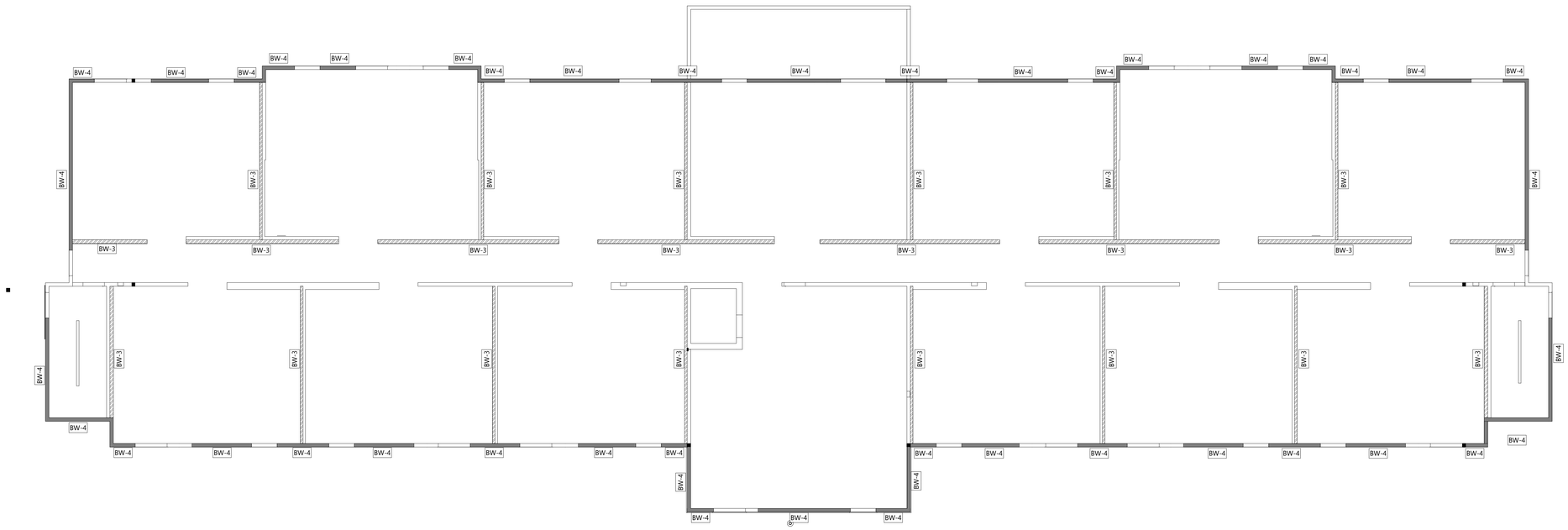
DRAWING TITLE
FIRST FLOOR BRACED WALL PLAN

S301

Revit Version:
Plot Date: 5/11/2026 3:56:55 PM

BRACED WALL SCHEDULE

MARK	SHEATHING	SHEATHING FASTENING	SILL PLATE FASTENING	TOP PLATE FASTENING
BW-1	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-2	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-3	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-4	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C



1 S302 SECOND FLOOR BRACED WALL PLAN

1/8" = 1'-0"

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CITY JAMESTOWN
STATE NORTH DAKOTA

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DRAWING TITLE
SECOND FLOOR
BRACED WALL PLAN

S302

Revit Version:
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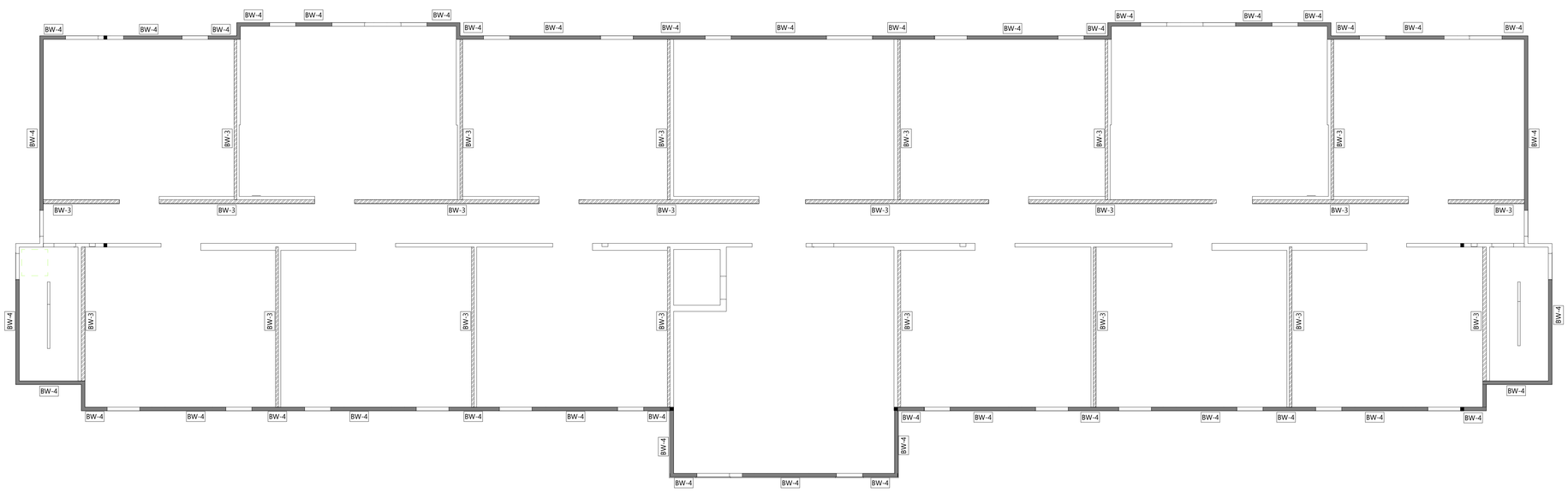
BRACED WALL SCHEDULE

MARK	SHEATHING	SHEATHING FASTENING	SILL PLATE FASTENING	TOP PLATE FASTENING
BW-1	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-2	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-3	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-4	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C



1 / S303 THIRD FLOOR BRACED WALL PLAN

1/8" = 1'-0"

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CONSULTANTS

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

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NORTH DAKOTA

DRAWING TITLE
THIRD FLOOR BRACED WALL PLAN

S303

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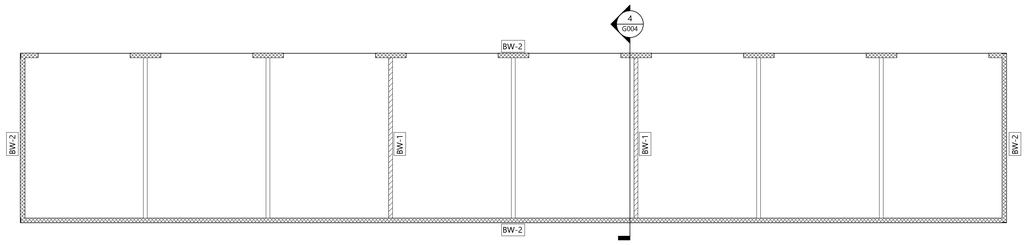
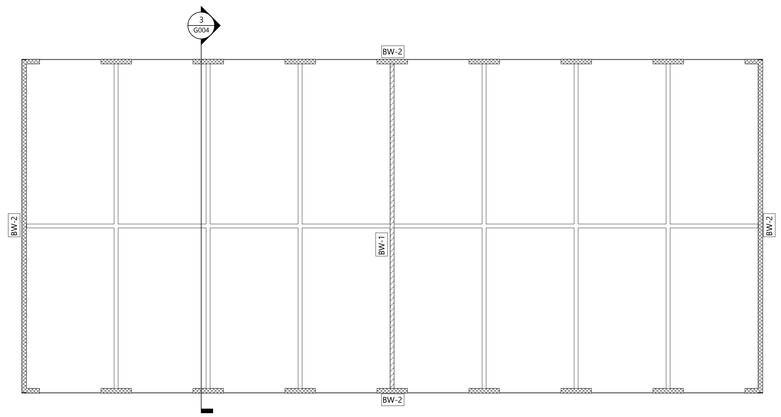
Print Date: 5/11/2026 3:06:08 PM

BRACED WALL SCHEDULE

MARK	SHEATHING	SHEATHING FASTENING	SILL PLATE FASTENING	TOP PLATE FASTENING
BW-1	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-2	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/2"Ø x 8" SIMPSON TITEN HD (GALV) ANCHORS @ 4'-0" O/C W/ 1/2" CUT WASHER	1/4"Ø x3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-3	7/16" OSB	16 GA x 1 3/4" STAPLES @ 4" O/C @ EDGES & 8" O/C @ INETERMEDIATE SUPPORTS (BLOCK PANEL EDGES)	1/4"Øx3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Øx3 1/2" SIMPSON SDS SCREWS @ 8" O/C
BW-4	7/16" OSB	8d NAILS @ 6" O/C @ EDGES & 12" O/C @ INTERMEDIATE SUPPORTS	1/4"Øx3 1/2" SIMPSON SDS SCREWS @ 8" O/C	1/4"Øx3 1/2" SIMPSON SDS SCREWS @ 8" O/C

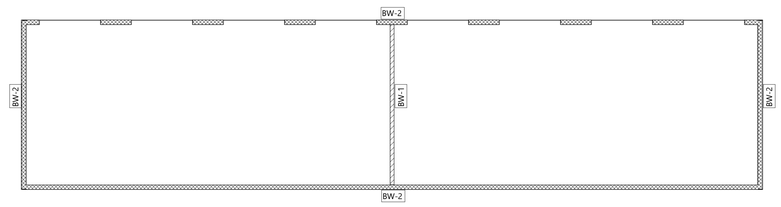


1 S304 HANDICAP GARAGE BRACED WALL PLAN
1/8" = 1'-0"



2 S304 DOUBLE GARAGE BRACED WALL PLAN
1/8" = 1'-0"

(2) SINGLE GARAGES ON SITE. WEST GARAGE SHOWN. EAST GARAGE TO BE MIRROR COPY OF WEST GARAGE, SEE SHEET G003.



3 S304 SINGLE GARAGE BRACED WALL PLAN
1/8" = 1'-0"

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APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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PE-6697
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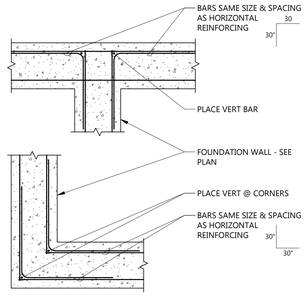
NORTH DAKOTA

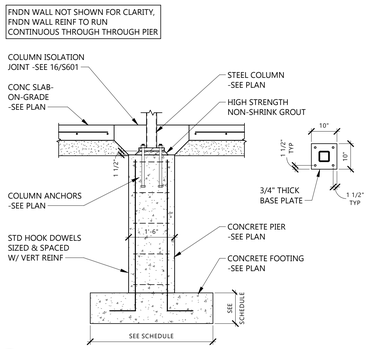
DRAWING TITLE
GARAGE BRACED WALL PLAN

S304

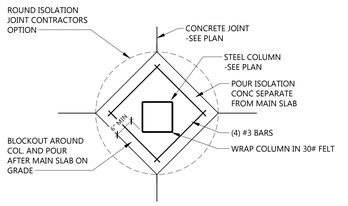
Revit Version:
Plot Date: 5/11/2026 3:56:19 PM



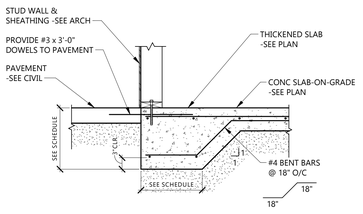
18 S601 TYPICAL FOUNDATION CORNERS-DOUBLE
3/4" = 1'-0"



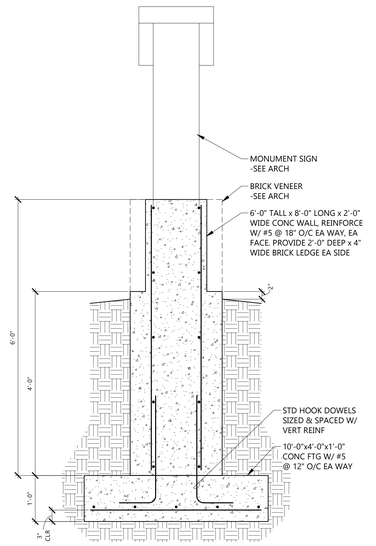
17 S601 STEEL COLUMN @ PIER
1/2" = 1'-0"



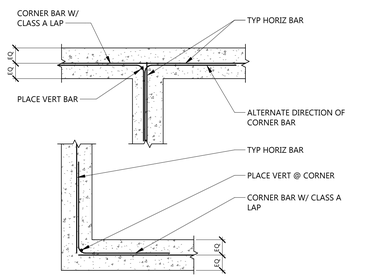
16 S601 COLUMN ISOLATION JOINT
3/4" = 1'-0"



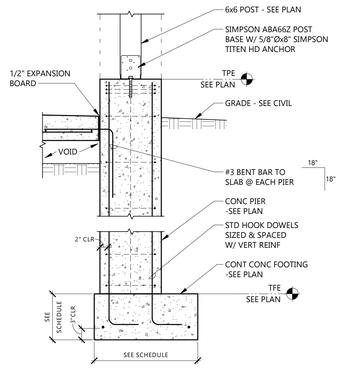
15 S601 THICKENED SLAB EDGE @ EXTERIOR WALL
3/4" = 1'-0"



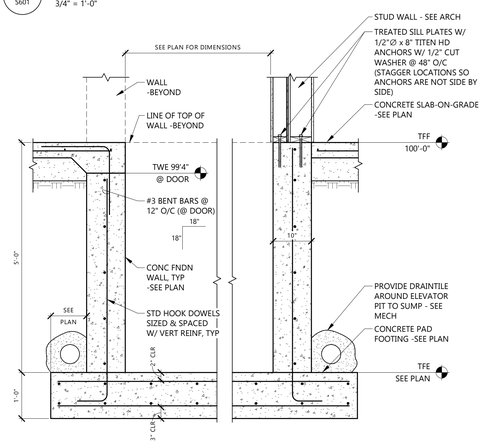
19 S601 FNDN @ MONUMENT SIGN
3/4" = 1'-0"



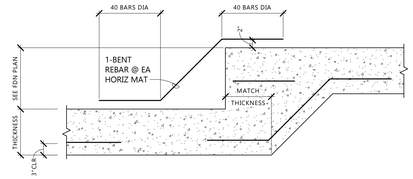
14 S601 TYPICAL FNDN CORNERS
3/4" = 1'-0"



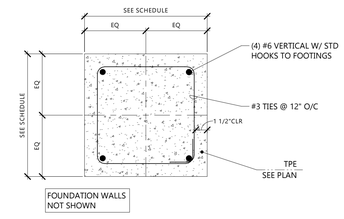
13 S601 PIER AT EXTERIOR COLUMN
3/4" = 1'-0"



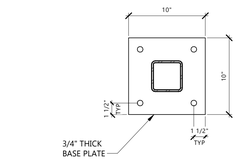
12 S601 ELEVATOR PIT SECTION
3/4" = 1'-0"



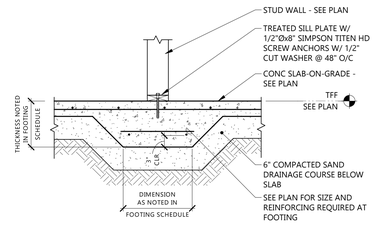
11 S601 TYPICAL STEP FOOTING
3/4" = 1'-0"



10 S601 PIER DETAIL @ P-1
1 1/2" = 1'-0"

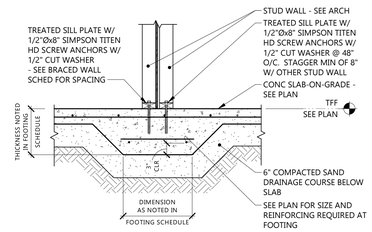


9 S601 COLUMN BASE PLATE
1 1/2" = 1'-0"

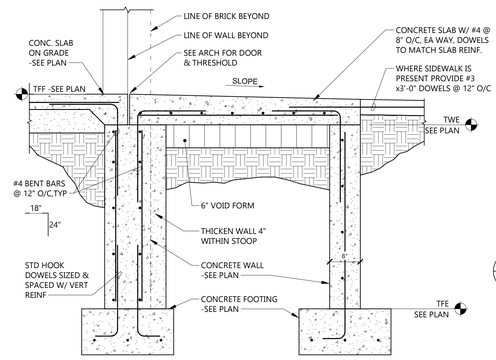


8 S601 THICKENED SLAB
3/4" = 1'-0"

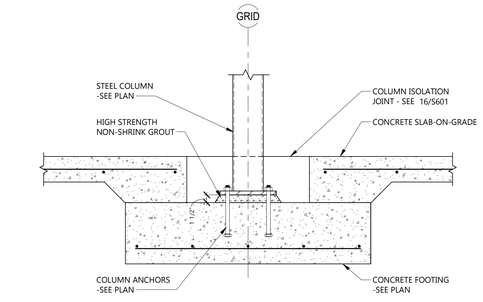
STUD WALL W/ SHEATHING FASTENED TO IT IS BRACED WALL, INSTALL FIRST. SEE SCHEDULE FOR SILL PLATE FASTENING REQUIREMENTS.



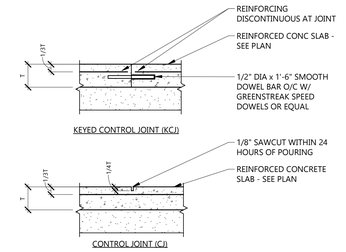
7 S601 THICKENED SLAB PARTY WALL
3/4" = 1'-0"



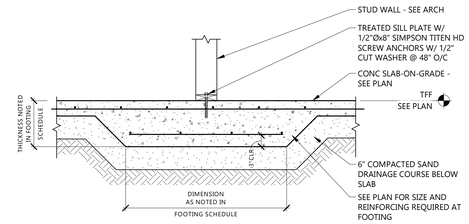
6 S601 TYPICAL STOOP DETAIL
3/4" = 1'-0"



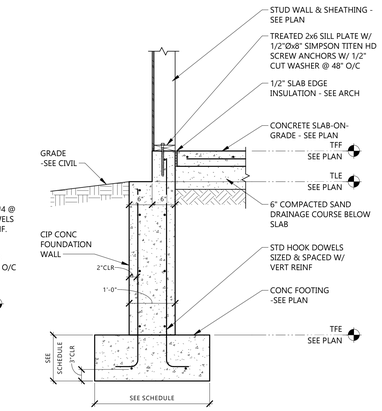
5 S601 INTERIOR COLUMN/FOOTING DETAIL
1" = 1'-0"



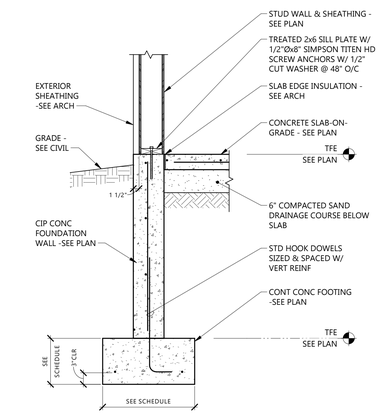
4 S601 SLAB CONTROL JOINTS
3/4" = 1'-0"



3 S601 THICKENED SLAB PAD FOOTING
3/4" = 1'-0"



2 S601 EXT FNDN WALL @ BRICK LEDGE
3/4" = 1'-0"



1 S601 TYP EXTERIOR FOUNDATION WALL @ STAIRWELL
3/4" = 1'-0"

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Interior Design | Industrial
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112 No.Roberts Street, Suite 300, Fargo ND 58102
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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: TLR/WLM
CHECKED BY: CDR

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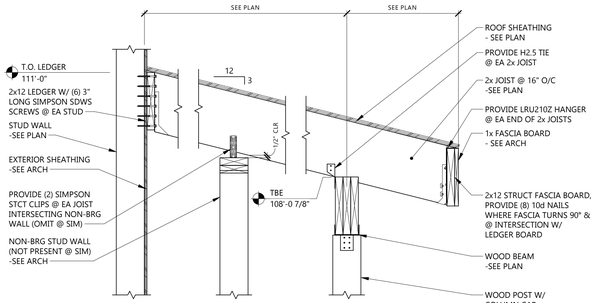
REGISTERED PROFESSIONAL ENGINEER
SAMUEL J. WILKE
PE-6697
DATE 05-11-2026
NORTH DAKOTA

DRAWING TITLE
FOUNDATION DETAILS

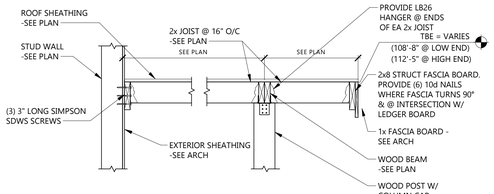
S601

Revit Version:
Plot Date: 5/11/2026 3:06:12 PM



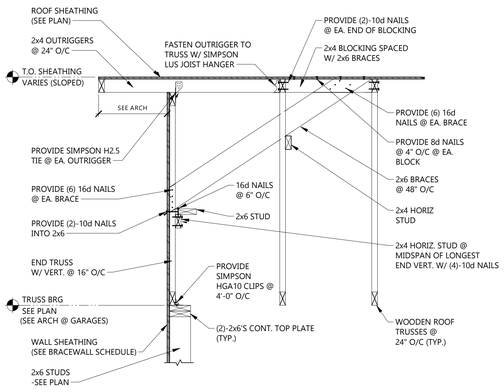
22 S701 MAIN ENTRY SHADE FRAMING SECTION

1" = 1'-0"



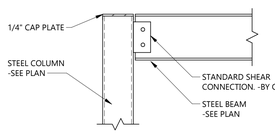
21 S701 STOOP SHADE FRAMING SECTION

3/4" = 1'-0"



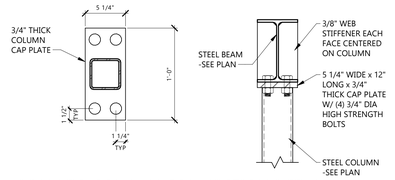
20 S701 GABLE/MONOSLOPE END TRUSS BRACING

3/4" = 1'-0"



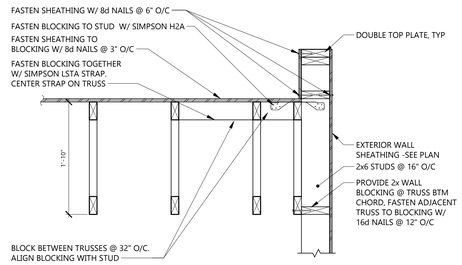
19 S701 BEAM TO COLUMN CONNECTION

1 1/2" = 1'-0"



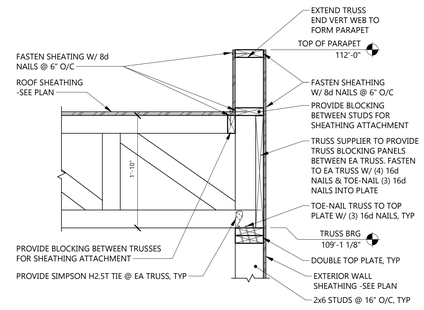
18 S701 BEAM TO COLUMN CONNECTION DETAIL

1 1/2" = 1'-0"



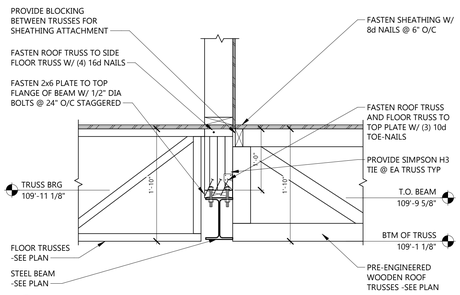
17 S701 DETAIL @ LOW PARAPET WALL

1" = 1'-0"



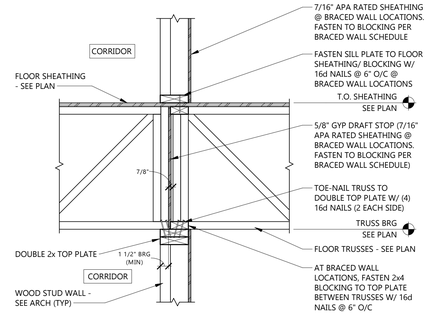
16 S701 DETAIL @ TRUSS BEARING

1" = 1'-0"



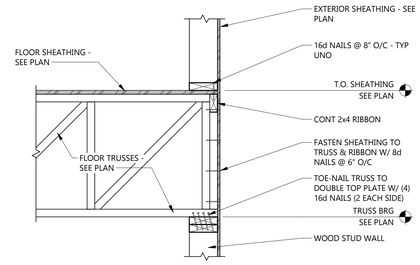
15 S701 DETAIL @ STEEL BEAM

1" = 1'-0"



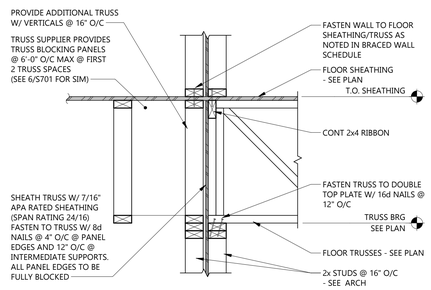
14 S701 FLOOR TRUSS BEARING @ CORRIDOR WALL

1" = 1'-0"



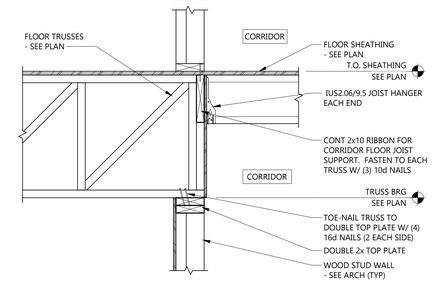
13 S701 FLOOR TRUSS BEARING @ EXTERIOR WALL

1" = 1'-0"



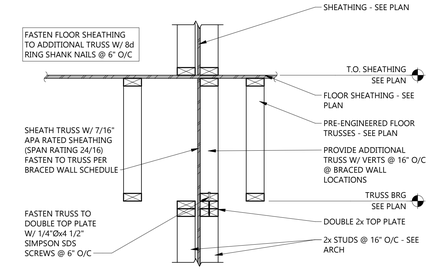
12 S701 FLOOR TRUSS BEARING @ INTERIOR WALL

1" = 1'-0"



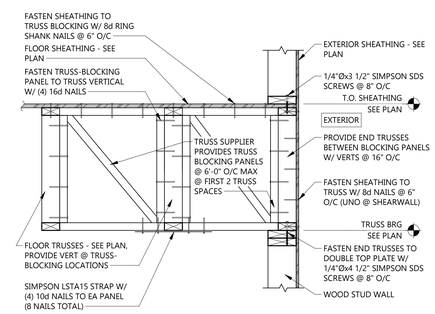
8 S701 FLOOR TRUSS BEARING @ CORRIDOR WALL

1" = 1'-0"



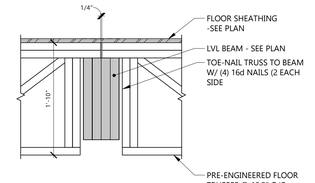
7 S701 BRACED WALL SECTION @ FLOOR TRUSSES

1" = 1'-0"



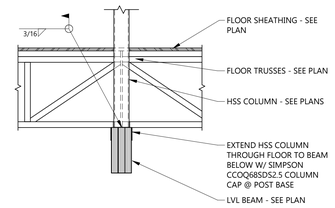
6 S701 TYPICAL ENDWALL DETAIL

1" = 1'-0"



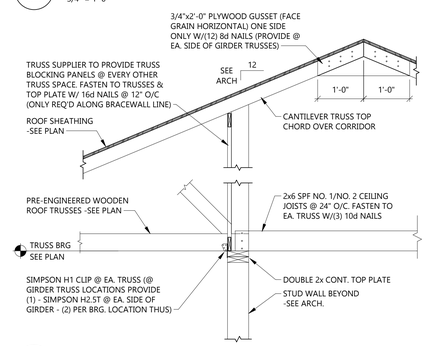
5 S701 WOOD BEAM @ WOOD POST

1" = 1'-0"



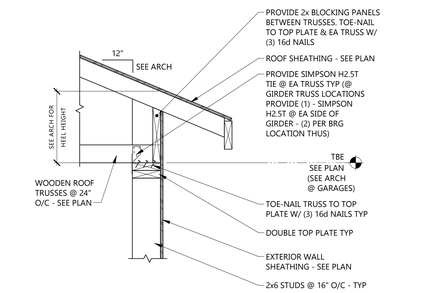
4 S701 PCL COLUMN BEARING DETAIL

3/4" = 1'-0"



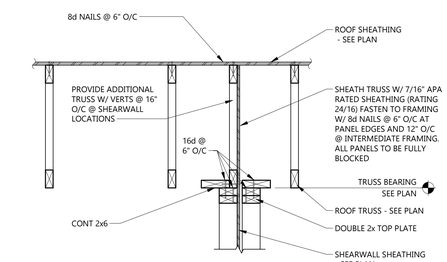
3 S701 ROOF TRUSS @ INTERIOR

3/4" = 1'-0"



2 S701 TYPICAL TRUSS BEARING DETAIL

1" = 1'-0"



1 S701 BRACED WALL SECTION @ ROOF TRUSSES

1" = 1'-0"

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TELEPHONE 701.461.7222
112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

CONSULTANTS

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DRAWN BY: TLR/WLM
CHECKED BY: CDR

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REGISTERED PROFESSIONAL ENGINEER
SAMUEL J. WILKE
PE-6697
DATE 05-11-2026
NORTH DAKOTA

DRAWING TITLE
FRAMING DETAILS

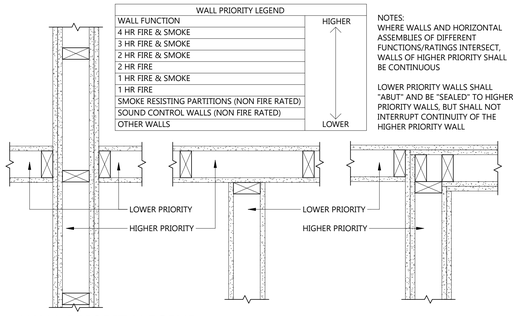
S701

Revit Version:
Plot Date: 5/11/2026 3:06:12 PM

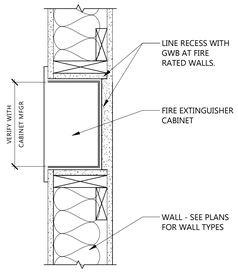
WALL PRIORITY LEGEND	
WALL FUNCTION	HIGHER
4 HR FIRE & SMOKE	
3 HR FIRE & SMOKE	
2 HR FIRE & SMOKE	
2 HR FIRE	
1 HR FIRE & SMOKE	
1 HR FIRE	
SMOKE RESISTING PARTITIONS (NON FIRE RATED)	
SOUND CONTROL WALLS (NON FIRE RATED)	
OTHER WALLS	LOWER

NOTES:
WHERE WALLS AND HORIZONTAL ASSEMBLIES OF DIFFERENT FUNCTIONS/RATINGS INTERSECT, WALLS OF HIGHER PRIORITY SHALL BE CONTINUOUS

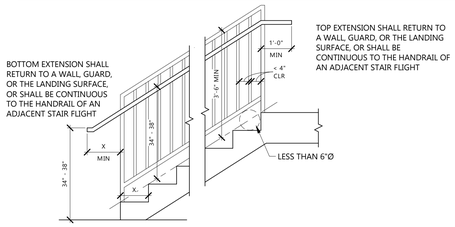
LOWER PRIORITY WALLS SHALL "ABUT" AND BE "SEALED" TO HIGHER PRIORITY WALLS, BUT SHALL NOT INTERRUPT CONTINUITY OF THE HIGHER PRIORITY WALL



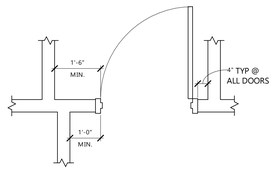
WALL PRIORITY LEGEND



RECESSED FEC



STAIR RAILING REQUIREMENTS



ADA DOOR CLEARANCES

A	
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN WITH DISABILITIES ACT
ADD	ADDENDUM
ADJ	ADJACENT / ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APL	ACRYLIC PANEL
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT / ARCHITECTURAL
AVE	AVENUE
AVG	AVERAGE
AWP	ACOUSTIC WALL PANEL

B	
BB	BOND BEAM
BD	BOARD
BFD	BI-FOLD DOOR
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BEAM
BO	BOTTOM OF / BY OTHERS
BOT	BOTTOM
BR	BEDROOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN

C	
CAB	CABINET
CC	CUBICAL CURTAINS
CD	CONSTRUCTION DOCUMENTS
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED
CFS	COLORED/SEALED/STAINED CONCRETE
CFS	CORK FLOOR SHEET
CFT	CORK FLOOR TILE
CG	CORNER GUARD
CG	CORNER GUARDS
CHRL	CHAIR RAIL
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COIL	COILING DOOR
COL	COLUMN
COMP	COMPOSITE / COMPOSITION
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CR	CURTAIN ROD
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTOP	COUNTER TOP
CTR	CENTER
CTW	CERAMIC TILE WALL
CU	CUBIC
CY	CUBIC YARD

D	
D	DEPTH / CLOTHES DRYER
d	PENNY (NAILS)
dB	DECIBEL
DBL	DOUBLE
DEMO	DEMOLISH / DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER

E	
E	EAST
EA	EACH
EB	EXPANSION BOLT
EC	ELECTRICAL CONTRACTOR
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EP	ELECTRICAL PANEL / END PANEL
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQUIP	EQUIPMENT
ESD	ELECTRO STATIC DISCHARGE VINYL TILE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR

F	
F	FAHRENHEIT
F/R	FIRE RATED
FBD	FIBER BOARD
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FG	FLOAT GLASS
FIN	FINISH
FLASH	FLASHING
FLR	FLOOR
FOF	FACE OF FINISH
FOS	FACE OF STUDS
FOW	FACE OF WALL
FP	FIRE PROTECTION
FR	FRAME
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PANEL
FRZ	FREEZER
FT	FEET / FIRE TREATED
FTG	FOOTING
FURN	FURNISH / FURNISHINGS
FURR	FURRING
FUT	FUTURE
FWP	FABRIC WRAP PANEL

G	
G	GENERAL
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDC	GYMNASIUM DIVIDER CURTAINS
GL	GLASS / GLAZING / GLAZED
GLAM	GLUE-LAMINATED WOOD
GWB	GYPSUM WALL BOARD
GYP	GYPSUM

H	
H	HIGH
HC	HOLLOW CORE
HDBD	HARDBOARD
HDR	HEADER
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HNR	HANDRAILS
HOLD	HOLD TO INDICATED DIMENSION
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HSKP	HOUSEKEEPING
HT	HEIGHT

I	
ID	INSIDE DIAMETER / INSIDE DIMENSION
IG	INSULATING GLASS
IJ	ISOLATION JOINT
IN	INCHES
INFO	INFORMATION
INSP	INSPECTION / INSPECTOR
INST	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INT STN	INTERIOR STONEWORK
IR	IMPACT RESISTANT
IRD	IMPACT RESISTANT DOORS
ISO	ISOLATION / INTERNATIONAL STANDARDS ORGANIZATION

J	
JAN	JANITOR
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT

K	
KIT	KITCHEN
KO	KNOCK OUT
KP	KICK PLATE

L	
L	LEFT / LENGTH
LAB	LABORATORY
LAM	LAMINATED
LAV	LAVATORY
LB	POUND
LH	LEFT-HAND
LHR	LEFT-MAND REVERSED
LKR	LOCKER
LP	LOW POINT
LR	LIVING ROOM
LSC	NFPA 101 LIFE SAFETY CODE
LSG	LAMINATED SAFETY GLASS
LT	LIGHT
LTWT	LIGHTWEIGHT
LVT	LUXURY VINYL TILE

M	
MA	MEDICAL AIR
MACH	MACHINE
MAINT	MAINTENANCE / MAINTAIN
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBR	MASTER BEDROOM
MC	MECHANICAL CONTRACTOR
MCW	MINERAL CORE WOOD
MDF	MEDIUM-DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDICAL / MEDICINE
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER / MANUFACTURING
MIN	MINIMUM / MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS
MKBD	MARKER BOARD
MO	MASONRY OPENING
MOD	MODIFY / MODULE
MP	METAL PANEL
MTC	METAL TOILET COMPARTMENT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MWP	MODULAR/FOLDING PARTITION

N	
N	NORTH / NITROGEN
N2O	NITROUS OXIDE
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOT RATED
NTS	NOT-TO-SCALE

O	
O2	OXYGEN
O/C	ON-CENTER
OA	OVERALL
OD	OUTSIDE DIAMETER / OUTSIDE DIMENSION
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OFOI	OWNER FURNISHED AND OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OZ	OUNCE

P	
P	POWER
PA	PUBLIC ADDRESS
PB	PARTICLE BOARD
PC	PRECAST
PERF	PERFORATED
PERP	PERPENDICULAR
PG	PLATE GLASS
PH	PHASE
PIR	POLYISOCYANURATE RIGID INSULATION
PL	PLATE / PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POL	POLISH
PP	PUSH PLATE
PR	PAIR
PREFAB	PREFABRICATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED / POINT / POST-TENSIONED
PTC	PLASTIC TOILET COMPARTMENT
PTD	PAPER TOWEL DISPENSER
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWC	ROTECTIVE WALL COVERING

Q	
QT	QUARRY TILE
QTR	QUARTER

R	
R	RISER / RADIUS
R&S	ROD & SHELF
RAD	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN / ROAD
REBAR	REINFORCING BAR
REC	RECESSED
RECEP	RECEPTION
RECEPT	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTRATION / REGISTER
REINF	REINFORCED
REM	REMOVE / REMOTE
REQ(D)	REQUIRE(D)
RES	RESILIENT
RES	RESINOUS FLOORING
RET	RETAINING / RETURN
REV	REVERSE / REVISION
RH	RIGHT HAND
RL	RAINLEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSF	RESILIENT SHEET FLOOR
RTF	RESILIENT TILE FLOOR

S	
S	SOUTH / SHELF
SB	SPLASH BLOCK
SC	SOLID CORE / SHOWER CURTAINS
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCR	SHOWER CURTAIN ROD
SCS	SPECIALTY CEILING SYSTEM (WOOD/METAL)
SD	SOAP DISPENSER / SEE DETAIL
SEC	SECOND
SECT	SECTION
SF	SQUARE FEET
SGC	STAGE CURTAINS
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SL	SLOPE
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNW	SANITARY NAPKIN WASTE RECEPTICAL
SP	SPANDREL PANEL
SPEC	SPECIFICATION
SQ	SQUARE
SSF	SOLID SURFACE
SSTL	STAINLESS STEEL
ST	STONE
STA	STATION
STC	SOUND-TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STN	WOOD STAINING
STOR	STORAGE
STR	STAIR TREADS/RISERS
STRUCT	STRUCTURE / STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SWP	SOUND WALL PANEL
SYM	SYMMETRICAL

T	
T	TOP / TREAD / TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TA	TOILET ACCESSORIES
TB	TOWEL BAR
TBD	TO BE DETERMINED
TBE	TOP OF BEAM ELEVATION
TDE	TOP OF DECKING ELEVATION
TEL	TELEPHONE
TEMP	TEMPERED / TEMPORARY / TEMPERATE
TER	TERRAZZO
TFE	TOP OF FOOTING ELEVATION
TFF	TOP OF FINISH FLOOR
TG	TEMPERED GLASS
THK	THICK
THS	THRESHOLD
TJE	TOP OF JOIST ELEVATION
TKBD	TACK BOARD
TLT	TOILET
TOL	TOLERANCE
TOPO	TOPOGRAPHICAL
TPD	TOILET PAPER DISPENSER
TRS	TRANSITION STRIPS
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATOIN
TYP	TYPICAL

U	
UC	UNDER COUNTER
UG	UNDERGROUND
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPH	FABRIC/VINYL
UTIL	UTILITY

V	
V	VINYL
VAC	VACUUM
VAR	VARIABLE / VARNISH / VARIES
VCT	VINYL-COMPOSITION TILE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VWC	VINYL WALL COVERING

W	
W	WEST / WIDE / CLOTHES WASHER
W/	WITH / WHERE
W/O	WITHOUT
WAIN	WAINSCOT
WC	WATER CLOSET
WD	WOOD
WDT	WINDOW TREATMENTS
WDW	WINDOW
WG	WALL GUARD
WH	WATER HEATER / WALL HYDRANT
WP	WATER PROOF
WR	WASTE RECEPTICALE
WRL	WALL RAIL
WS	WEATHER STRIPPING
WT	WEIGHT

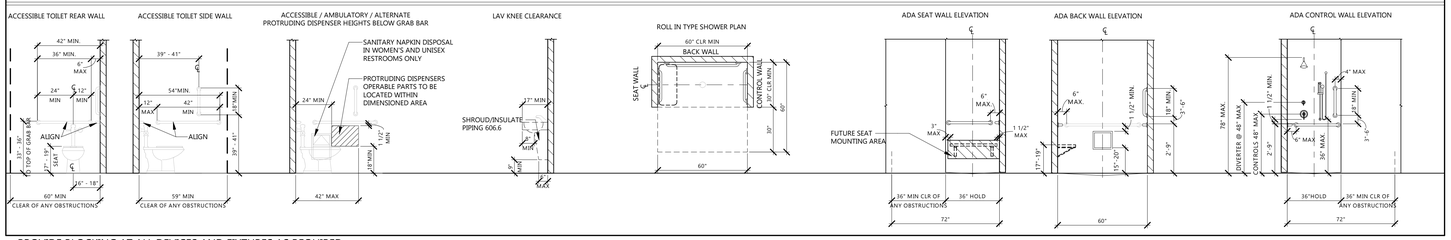
X	
XFMR	POWER TRANSFORMER
XPS	EXTRUDED POLYSTYRENE

Y	
YD	YARD

SPECIAL SYMOBLS	
#	POUND / NUMBER
/	PER
@	AT
°	DEGREE
Ø	DIAMETER
℄	CENTERLINE
∠	ANGLE
⊥	PERPINDICULAR

TYPICAL FIXTURE MOUNTING HEIGHTS & LOCATIONS

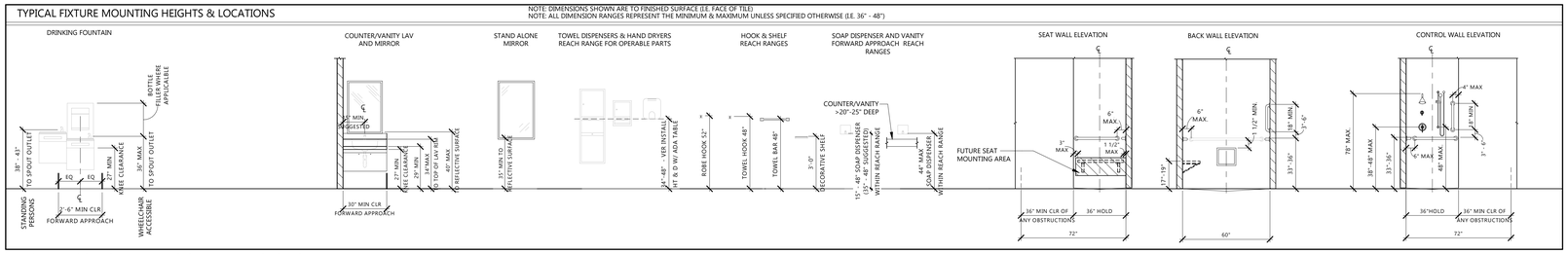
NOTE: DIMENSIONS SHOWN ARE TO FINISHED SURFACE (I.E. FACE OF TILE)
NOTE: ALL DIMENSION RANGES REPRESENT THE MINIMUM & MAXIMUM UNLESS SPECIFIED OTHERWISE (I.E. 36" - 48")



PROVIDE BLOCKING AT ALL DEVICES AND FIXTURES AS REQUIRED

TYPICAL FIXTURE MOUNTING HEIGHTS & LOCATIONS

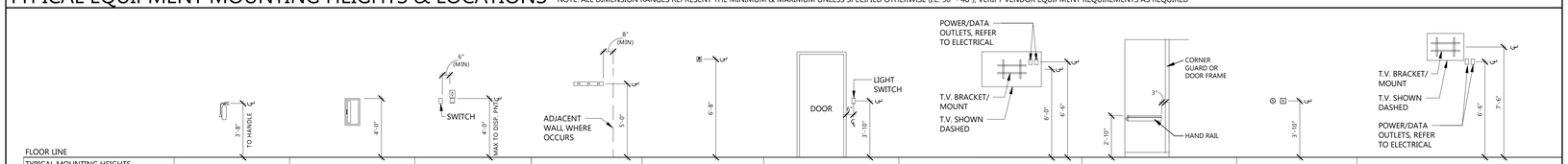
NOTE: DIMENSIONS SHOWN ARE TO FINISHED SURFACE (I.E. FACE OF TILE)
NOTE: ALL DIMENSION RANGES REPRESENT THE MINIMUM & MAXIMUM UNLESS SPECIFIED OTHERWISE (I.E. 36" - 48")



PROVIDE BLOCKING AT ALL DEVICES AND FIXTURES AS REQUIRED

TYPICAL EQUIPMENT MOUNTING HEIGHTS & LOCATIONS

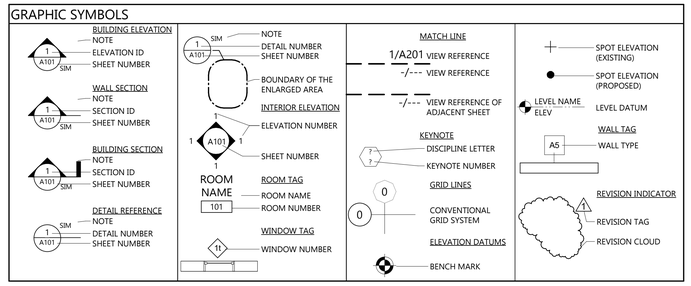
NOTE: DIMENSIONS SHOWN ARE TO FINISHED SURFACE (I.E. FACE OF TILE)
NOTE: ALL DIMENSION RANGES REPRESENT THE MINIMUM & MAXIMUM UNLESS SPECIFIED OTHERWISE (I.E. 36" - 48"), VERIFY VENDOR EQUIPMENT REQUIREMENTS AS REQUIRED



FLOOR LINE										
TYPICAL MOUNTING HEIGHTS										
DESCRIPTION	FIRE EXTINGUISHER (FE)	FIRE EXTINGUISHER CABINET (FEC)	HAND SANITIZER	MOP HOLDER	FIRE ALARM	LIGHT SWITCH	T.V. (40"/55"/85")	HAND RAIL	PUSH PLATE	T.V. (LESS THAN 40")
NOTES			INSTALL 6" MINIMUM AWAY FROM ANY SWITCH		WALL MOUNTED SHOWN, REFER TO ELECTRICAL	AT DOOR LOCATION, REFER TO ELECTRICAL	VERIFY/CONFIRM WITH OWNER, REFER TO ELECTRICAL	3" BETWEEN HAND RAIL AND CORNER GUARD OR DOOR FRAME	REFER TO DOOR HARDWARE GROUPS, REFER TO ELECTRICAL	VERIFY/CONFIRM WITH OWNER, REFER TO ELECTRICAL

PROVIDE BLOCKING AT ALL DEVICES AND FIXTURES AS REQUIRED

GRAPHIC SYMBOLS



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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
DRAWN BY: BRJ
CHECKED BY: SS

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STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
Signature:
Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
GENERAL ARCHITECTURAL INFORMATION

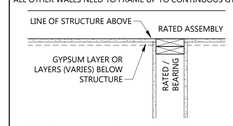
A001

Revit Version:
Plot Date: 5/11/2026 8:38:50 AM

WARNING: CONTRACTOR NOTE!

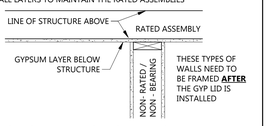
STRUCTURAL BEARING WALLS & RATED WALLS ARE ALLOWED TO FRAME TO STRUCTURE ABOVE PRIOR TO GYPSUM WALLBOARD INSTALL. - REFER TO LIFE SAFETY PLAN FOR WALL TYPE RATINGS

ALL OTHER WALLS NEED TO FRAME UP TO CONTINUOUS GYPSUM WALL LAYERS TO MAINTAIN THE RATED ASSEMBLIES



TYPICAL T.O. WALL DETAIL @ BEARING &/OR RATED WALLS

NOT TO SCALE



TYPICAL T.O. WALL DETAIL @ ALL OTHER WALLS

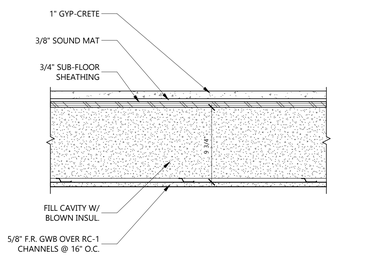
NOT TO SCALE

GENERAL INTERIOR PARTITION NOTES

1. SEE FLOOR PLANS FOR EXTENT OF EACH WALL
2. ON ALL RESTROOM WALLS AND OTHER AREAS SCHEDULED TO RECEIVE FRP OR TILE FINISH, PROVIDE A MINIMUM OF MOISTURE-RESISTANT GYPSUM BOARD.
3. ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE SHALL BE INSULATED.
4. WHERE GYPSUM BOARD EXTENDS TO UNDERSIDE OF STRUCTURE ABOVE, STOP GYPSUM BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL AS REQUIRED.
5. REFERENCE FLOOR FINISH PLANS AND WALL FINISH PLANS FOR ADDITIONAL FINISHES NOT INDICATED ON PARTITION TYPES.
6. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF WALL PENETRATIONS. SEAL ALL OPENINGS WITH ACOUSTICAL SEALANT.
7. PROVIDE WOOD BACKING FOR ALL WALL-MOUNTED FINISH CARPENTRY, ARCHITECTURAL WOODWORK, TOILET PARTITIONS, ACCESSORIES AND OTHER SIMILAR ITEMS.
8. ALL WALLS TO BE INSULATED W/ BATT INSULATION UNLESS NOTED OTHERWISE

FIRE-RATED BARRIERS & PARTITION NOTES:

1. ALL PARTITIONS NOTED TO BE FIRE-RESISTANCE RATED SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FIRE RESISTANCE TESTS.
2. FIRE-RATED PARTITIONS SHALL BE CONSTRUCTED BEFORE NON-RATED PARTITIONS.
3. ALL FIRE-RATED PARTITIONS TO EXTEND FROM TOP OF UNFINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. SEAL TOP, BOTTOM AND ALL PENETRATIONS WITH FIRE-RATED SEALANT.
4. ALL PENETRATIONS IN FIRE-RATED PARTITIONS SHALL BE SEALED WITH MATERIALS, SEALANTS AND/OR ASSEMBLIES WHICH MAINTAIN THE FIRE-RESISTANCE RATING OF THE PARTITION

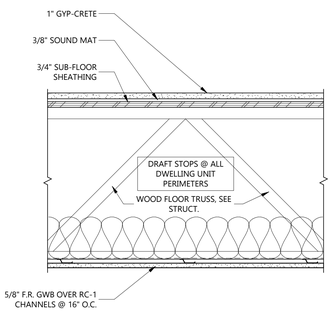


FLOOR ASSEMBLY SECTION

FIRE RATING / UL DESIGN L263

FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

D FLOOR ASSEMBLY (1-HOUR RATED) (CORRIDOR)

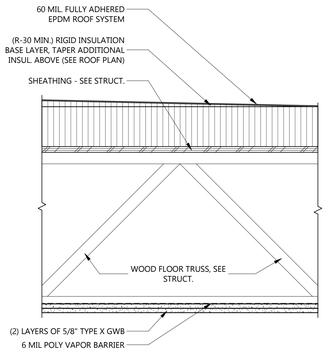


FLOOR / CEILING ASSEMBLY SECTION

FIRE RATING / UL DESIGN L528
(50 STC MIN.)

FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

C FLOOR-CEILING ASSEMBLY (1-HOUR RATED) (UNITS)

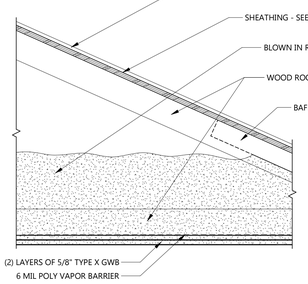


ROOF / CEILING ASSEMBLY SECTION

FIRE RATING / TEST NUMBER RC-2602
UL DESIGN P522

FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

B ROOF ASSEMBLY TYPE B (1-HOUR RATED)

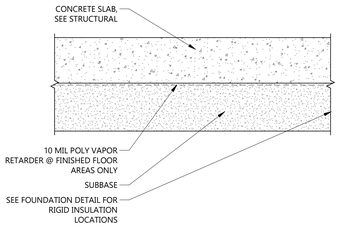


ROOF / CEILING ASSEMBLY SECTION

FIRE RATING / TEST NUMBER RC-2602
UL DESIGN P522

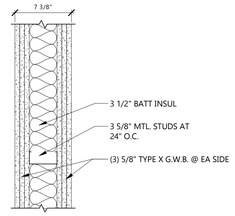
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

A ROOF ASSEMBLY TYPE A (1-HOUR RATED)

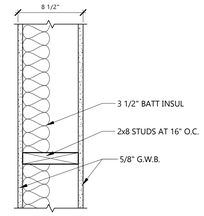


1 FLOOR ASSEMBLY TYPE 1 - SECTION

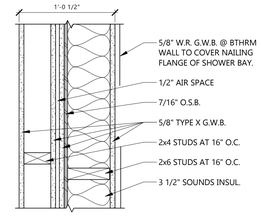
(TYPICAL AT BASEMENT AND SLAB-ON-GRADE AREA)



16 3 HOUR FIRE AREA SEPARATION WALL

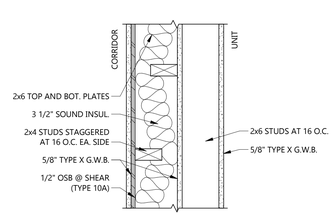


15 INT. 2x8 NON-RATED WALL



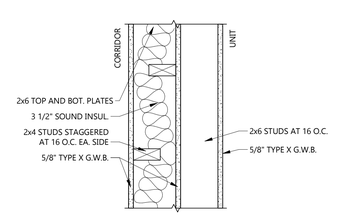
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

14 STAIR PARTY WALL - FIRE BARRIER



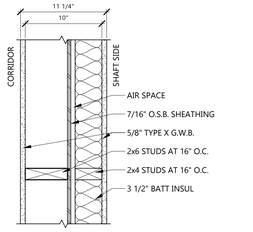
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

10A PLUMBING WALL @ SHEAR WALL - FIRE PARTITION



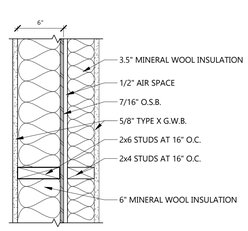
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

10 PLUMBING WALL - FIRE PARTITION



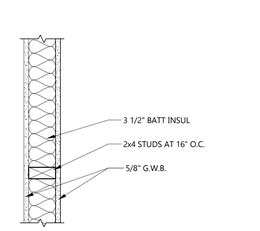
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

9 ELEVATOR SHAFT WALL - FIRE BARRIER

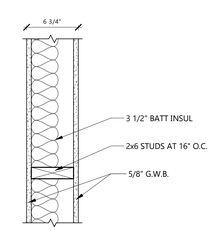


FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

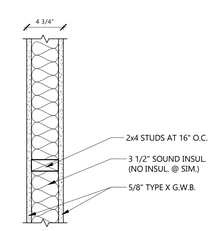
8 MODIFIED PARTY WALL - FIRE PARTITION



7 INT. 2x4 NON-RATED WALL

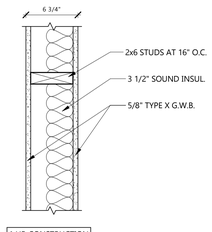


6 INT. 2x6 PARTITION - NON-RATED WALL



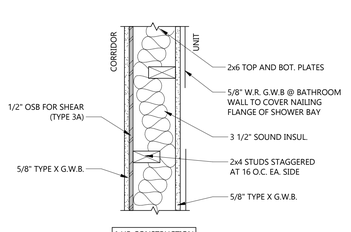
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

5 INT. 2x4 PARTITION W/ INSUL.



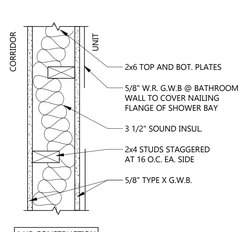
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

4 INT. 2x6 PARTITION W/ INSUL. - FIRE PARTITION



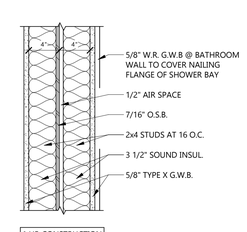
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

3A CORRIDOR WALL



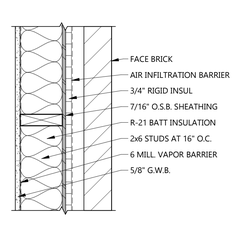
FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

3 CORRIDOR WALL - FIRE PARTITION

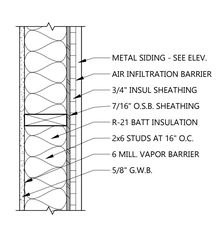


FIRE CAULK ALL PENETRATIONS & EDGES WHERE MEET OTHER MATERIALS & FINISHES

2 PARTY WALL - FIRE PARTITION



1A EXTERIOR BRICK - NON-RATED WALL



1 EXTERIOR METAL SIDING - NON-RATED WALL

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
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Signature:

Date: 05-11-2026 REG. NO. 1565

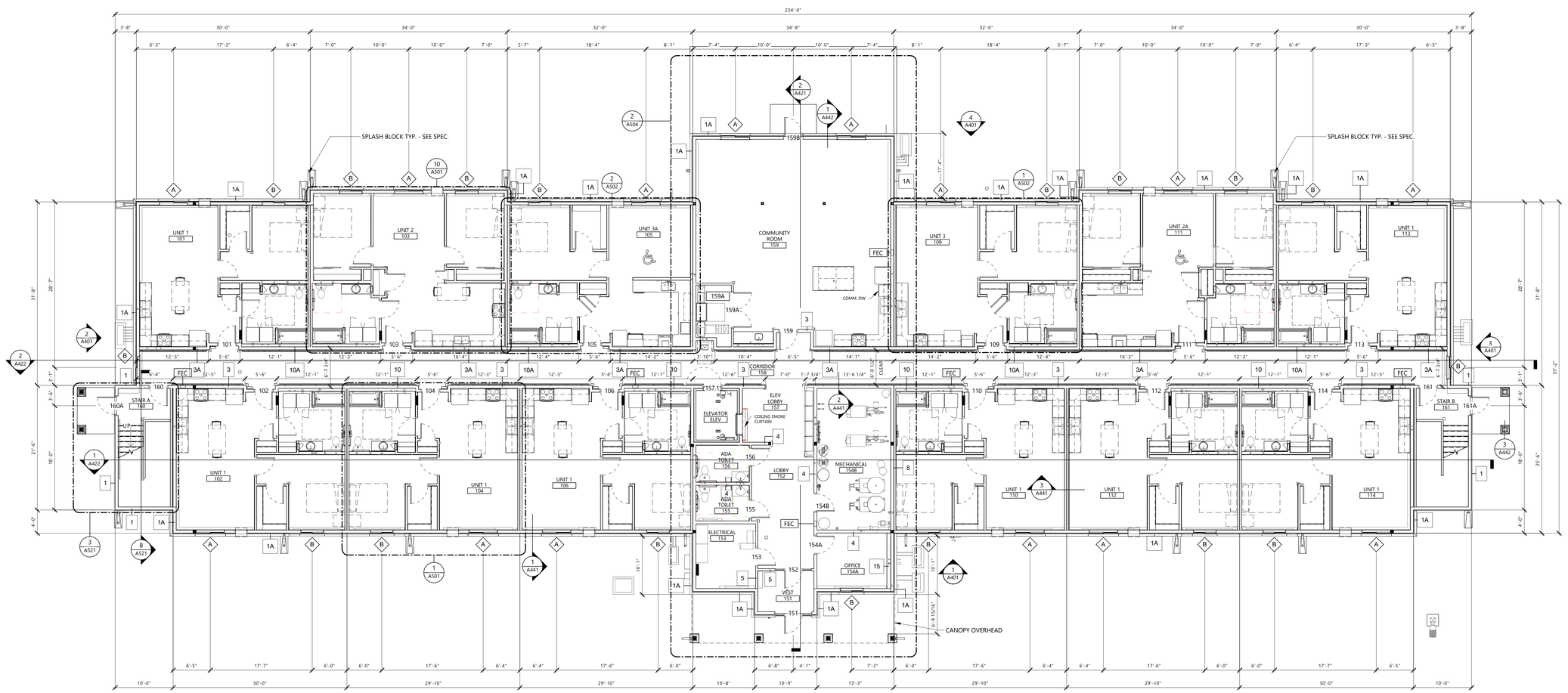
DRAWING TITLE
WALL, FLOOR & ROOF TYPES

A021

Revit Version:
Plot Date: 5/11/2026 8:38:13 AM

GENERAL NOTES

1. EXTERIOR WALL ARE DIMENSIONED TO EXTERIOR FACE OF SHEATHING, UNO.
2. INTERIOR WALLS ARE DIMENSIONED TO CENTER OF STUD, UNO.
3. PARTY WALLS ARE DIMENSIONED TO CENTER OF WALL ASSEMBLY (SEE WALL TYPES), UNO.
4. G.C. TO PROVIDE 1 HOUR GYP BOX AROUND ALL RECESSED LIGHTS. COORDINATE WITH ELECTRICAL.
5. PROVIDE CONTINUAL BLOCKING AND HANDRAILS THROUGHOUT ENTIRE LENGTH OF CORRIDORS @ ALL FLOORS, SEE A001 FOR MOUNTING HEIGHT. SEE ALSO SHELF UNIT BLOCKING AT ALL UNIT ENTRY DOORS IN CORRIDOR.
6. INSTALL CORNER GUARDS AT OUTSIDE CORNERS IN ALL PUBLIC SPACES
7. INSTALL BLOCKING AT ALL PUBLIC TOILET GRAB BAR, TOILET PAPER DISPENSER, SANITARY NAPKIN, SOAP DISPENSER, PAPER TOWEL DISPENSER, AND MIRROR LOCATIONS
8. INSTALL BLOCKING AT ALL UNIT TOILET GRAB BAR AND TOILET PAPER DISPENSER LOCATIONS, SHOWER GRAB BAR, CONTROLS, AND SEAT LOCATIONS, AND ROBE HOOK, TOWEL BAR, TOWEL HOOK, MEDICINE CABINET, AND MIRROR LOCATIONS
9. AT ELECTRIC WATER COOLER LOCATION, PROVIDE BLOCKING AS PER MFR.
10. PROVIDE BLOCKING AND DRYWALL AT ALL FIRE EXTINGUISHER CABINET LOCATIONS - SEE DETAIL
11. PROVIDE BLOCKING AS REQ'D BY COILING SMOKE CURTAIN - SEE DOOR SCHEDULE
12. FOR ALL COUNTER AND CABINET LOCATIONS PROVIDE BLOCKING AS NEEDED
13. FOR ALL MECHANICAL ROOMS, PROVIDE FOUR(4) 4X8 SHEETS WHITE PAINTED 3/4" PLYWOOD, COORDINATE LOCATIONS WITH MECH. & ELEC.
14. PROVIDE BLOCKING AS NEEDED FOR MAILBOX LOCATIONS



1 A201 FIRST FLOOR PLAN
1/8" = 1'-0"

Revit Version:
Plot Date: 5/11/2026 8:39:05 AM

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CITY JAMESTOWN
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DRAWING TITLE
FIRST FLOOR PLAN

A201

GENERAL NOTES

1. EXTERIOR WALL ARE DIMENSIONED TO EXTERIOR FACE OF SHEATHING, UNO.
2. INTERIOR WALLS ARE DIMENSIONED TO CENTER OF STUD, UNO.
3. PARTY WALLS ARE DIMENSIONED TO CENTER OF WALL ASSEMBLY (SEE WALL TYPES), UNO.
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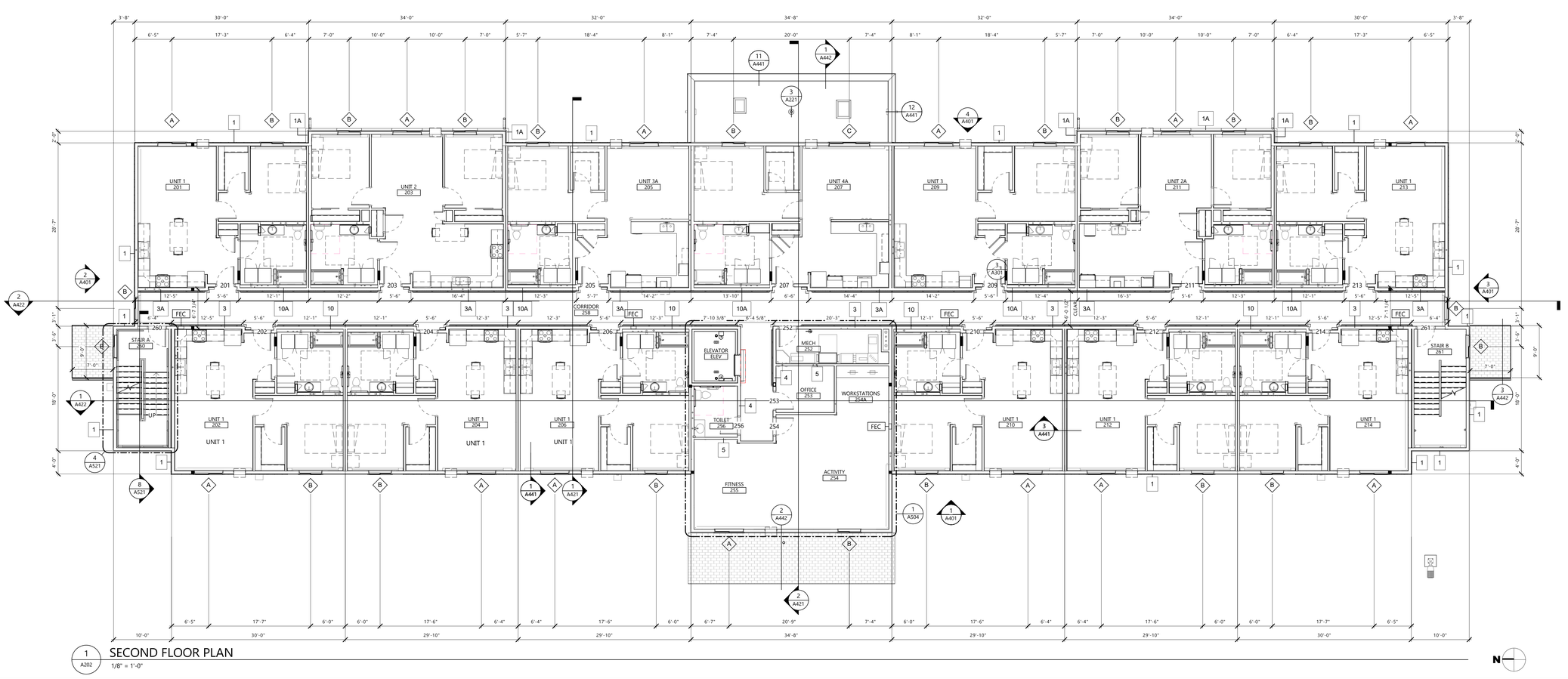

1 A202 SECOND FLOOR PLAN
1/8" = 1'-0"

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STATE NORTH DAKOTA

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DRAWING TITLE
SECOND FLOOR PLAN

A202

GENERAL NOTES

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2. INTERIOR WALLS ARE DIMENSIONED TO CENTER OF STUD, UNO.
3. PARTY WALLS ARE DIMENSIONED TO CENTER OF WALL ASSEMBLY (SEE WALL TYPES), UNO.
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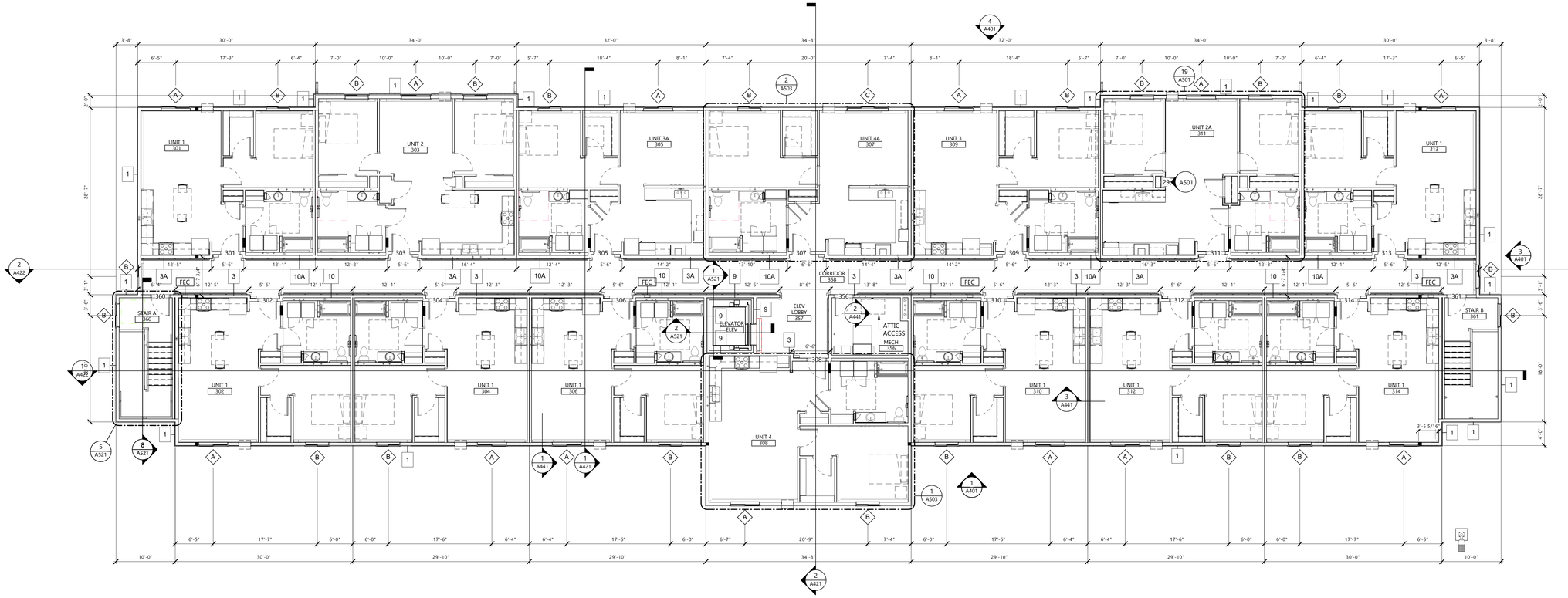

1 A203 THIRD FLOOR PLAN

1/8" = 1'-0"

N

Revit Version:
Plot Date: 5/11/2026 8:39:11 AM

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PROJECT DESCRIPTION
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APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

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DRAWING TITLE
THIRD FLOOR PLAN

A203

ATTIC VENTING SCHEDULE SEE LIFE SAFETY PLAN FOR VENTING CODE REQUIREMENTS

ATTIC COMPARTMENT	AREA	VENTED (SF) AREA REQUIRED	SOFFIT VENTING (SF) REQUIRED (1/2)	SOFFIT VENTING (SF) MIN. ACCEPTED	UPPER ROOF VENTING (SF) REQUIRED (1/2)	UPPER ROOF VENTING (SF) MIN. ACCEPTED	VENTS
A1	2208	7.4	3.7	6	7.4	3.7	8
A2	2032	6.8	3.4	6	6.8	3.4	7
A3	1932	6.4	3.2	6	6.4	3.2	7
A4	2460	8.2	4.1	6*	8.2	4.1	9
A5	1932	6.4	3.2	6	6.4	3.2	7
A6	2032	6.8	3.4	6	6.8	3.4	7
A7	2208	7.4	3.7	6	7.4	3.7	8

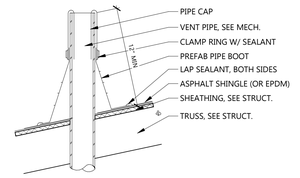
* DUE TO INSUFFICIENT SOFFIT AREA, LOW VENTING IN ATTIC A4 IS PROVIDED BY 9 ROOF VENTS

ICE & WATER BARRIER

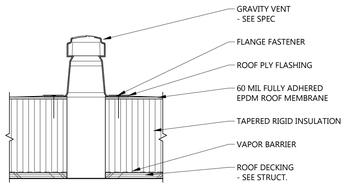
ATTIC DRAFTSTOP

ROOF VENT

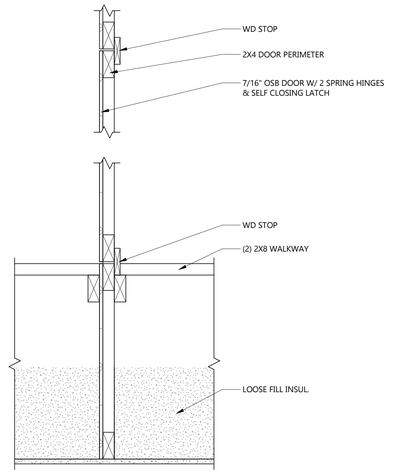
ROOF PLAN LEGEND



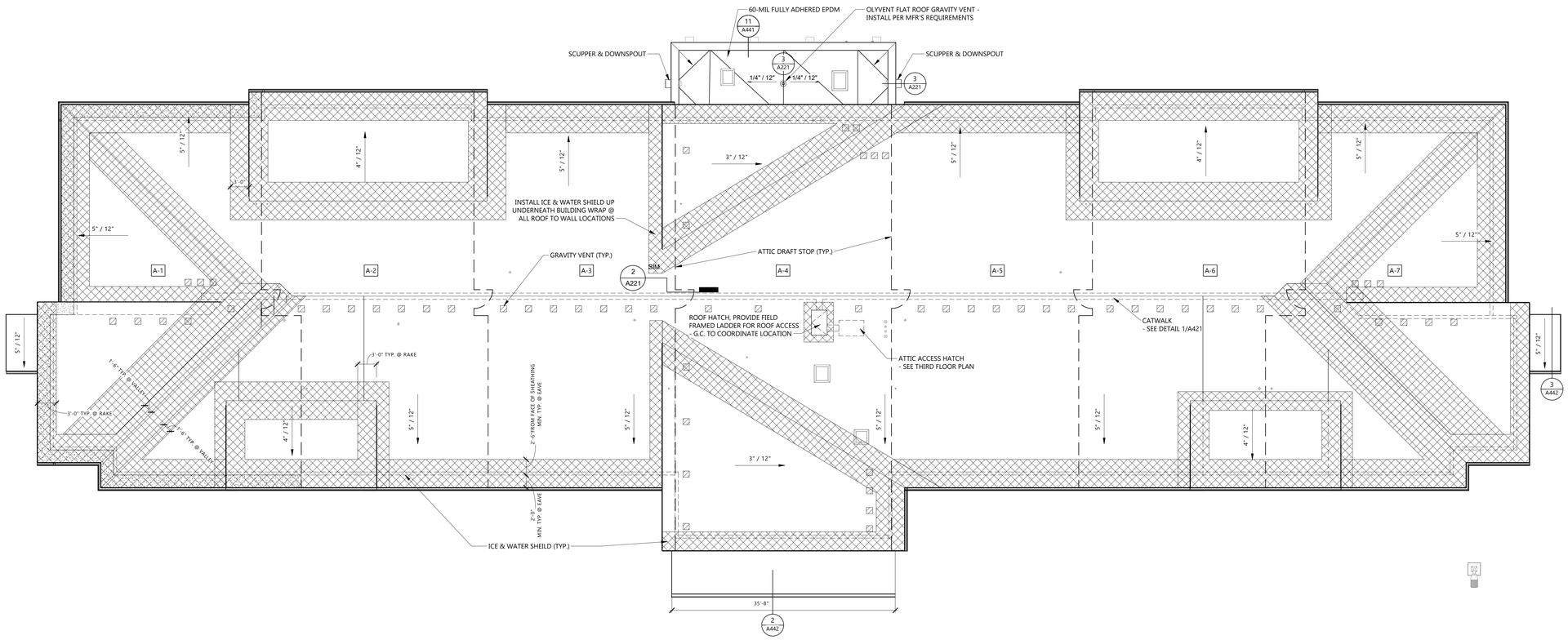
4 A221 — VTR DETAIL @ SHINGLED ROOF
1 1/2" = 1'-0"



3 A221 — ROOF GRAVITY VENT DETAIL
1 1/2" = 1'-0"



2 A221 — SECTION @ DRAFT STOP DOOR/CATWALK
1 1/2" = 1'-0"



1 A221 — ROOF PLAN
1/8" = 1'-0"

N

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Plot Date: 5/11/2026 4:39:10 AM

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PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
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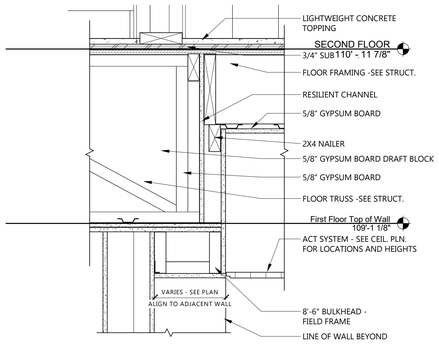
Date: 05-11-2026 REG. NO. 1565

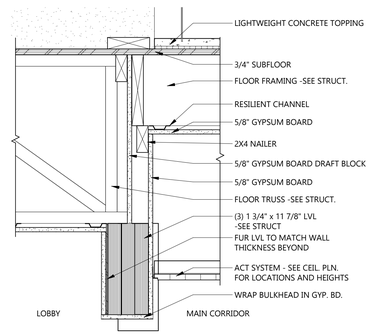
DRAWING TITLE
ROOF PLAN

A221



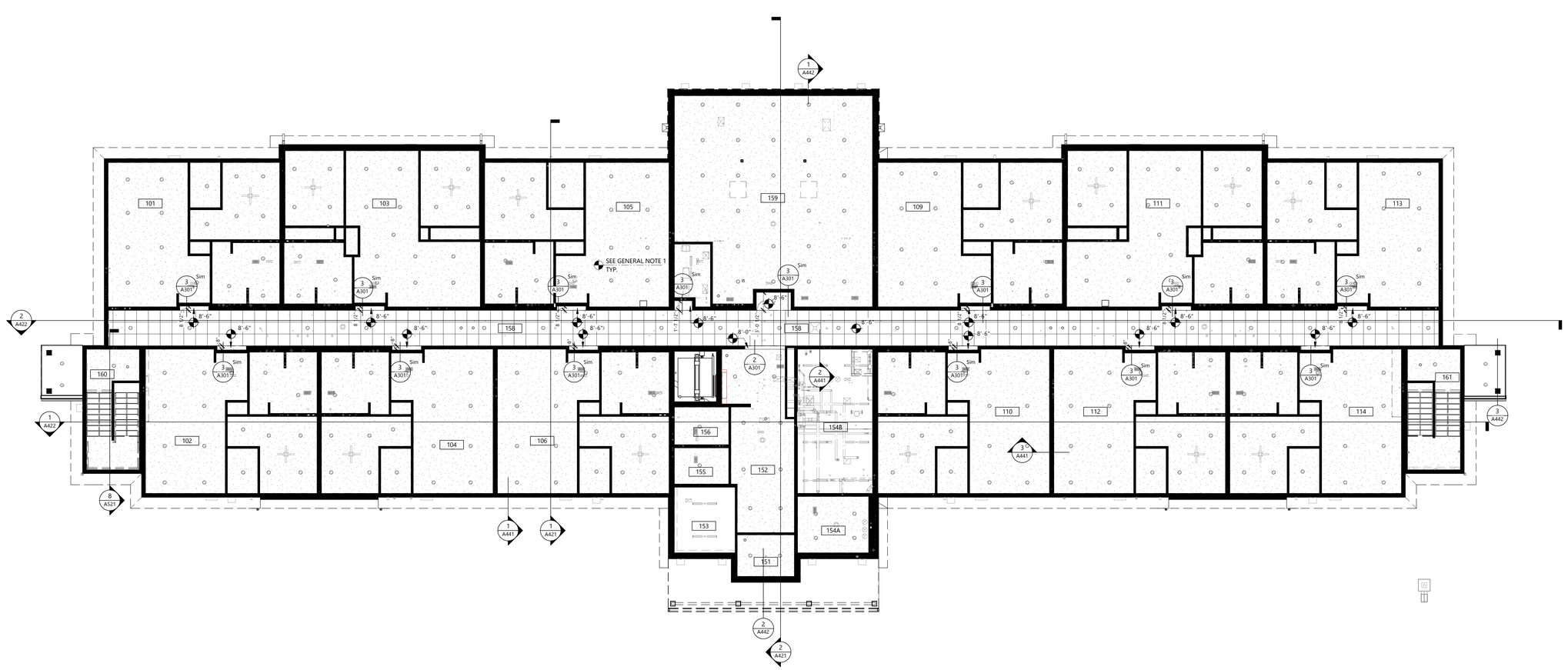
3 A301 — TYP. BULKHEAD DETAIL @ CORRIDORS-UNITS

1 1/2" = 1'-0"



2 A301 — BULKHEAD DETAIL @ LOBBY-CORRIDOR

1 1/2" = 1'-0"



1 A301 — FIRST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

N

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, MOUNT GPYSUM CEILING SYSTEM TO B.O. TRUSS AS PER UL FLOOR CEILING TYPE - SEE A021

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

CEILING PLAN SYMBOLS

AIR DISTRIBUTION SYMBOLS
- DIFFUSER SUPPLY
- DIFFUSER RETURN
- ACCESS PANEL
- SLOT OR LINEAR DIFFUSER OR RETURN
- CEILING FAN

MISCELLANEOUS
- PUBLIC ADDRESS OR AS SHOWN
- SMOKE DETECTOR
- VENT

WALL HEIGHT
- EXISTING WALL TO REMAIN
- WALL TO EXTEND FULL HEIGHT TO STRUCTURE ABOVE
- GWB TO EXTEND 6" ABOVE CEILING HEIGHT

TYPICAL SUSPENDED CEILING GRID
- 24" x 48" GRID SHOWN
- 24" x 24" GRID SHOWN
- GYPSUM WALL BOARD OR PLASTER
- WOOD CEILING

LIGHT FIXTURES
- 2x4 LAY-IN
- 2x2 LAY-IN
- 1x4 LAY-IN
- RECESSED INCANDESCENT
- EXIT LIGHT
- TRACK LIGHT

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DRAWING TITLE
FIRST FLOOR
REFLECTED CEILING
PLAN

A301

Revit Version:
Plot Date: 5/11/2026 8:39:33 AM

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, MOUNT GPYSUM CEILING SYSTEM TO B.O. TRUSS AS PER UL FLOOR CEILING TYPE - SEE A021

KEYNOTE LEGEND:

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CEILING PLAN SYMBOLS

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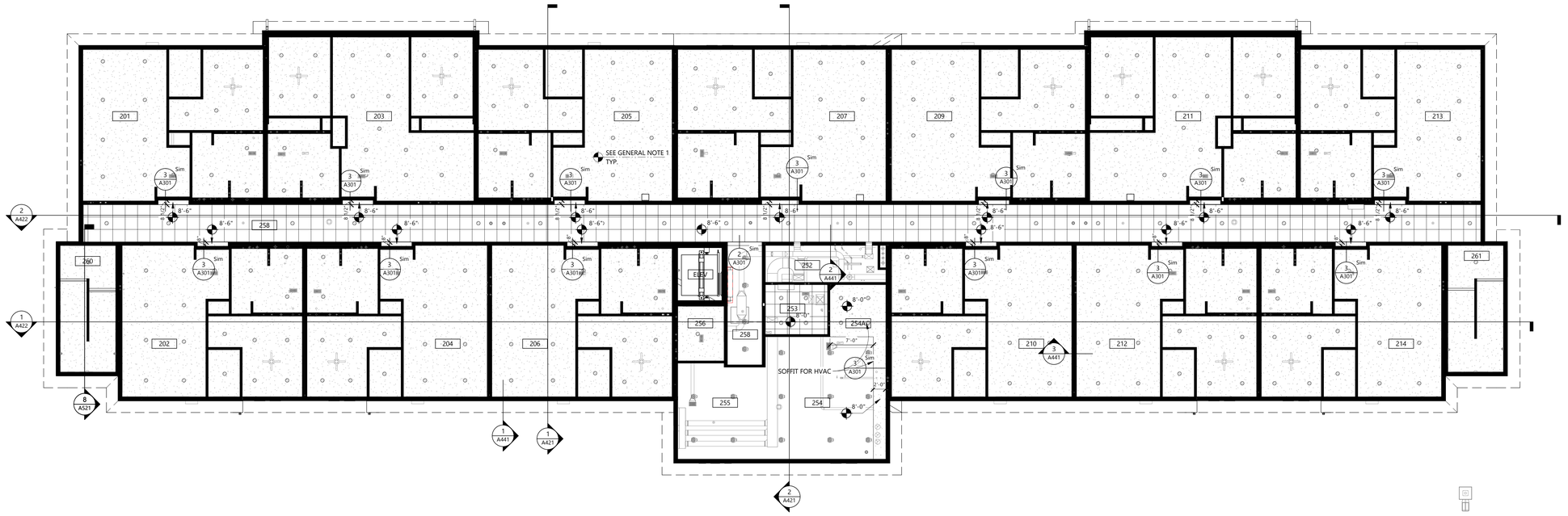
LIGHT FIXTURES

- 2x4 LAY-IN
- 2x2 LAY-IN
- 1x4 LAY-IN
- RECESSED INCANDESCENT
- EXIT LIGHT
- TRACK LIGHT



1 A302 SECOND FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

N

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CONSULTANTS

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DRAWING TITLE
SECOND FLOOR
REFLECTED CEILING
PLAN

A302

Revit Version:
Plot Date: 5/11/2026 8:39:42 AM

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, MOUNT GPYSUM CEILING SYSTEM TO B.O. TRUSS AS PER UL FLOOR CEILING TYPE - SEE A021

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

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- DIFFUSER RETURN
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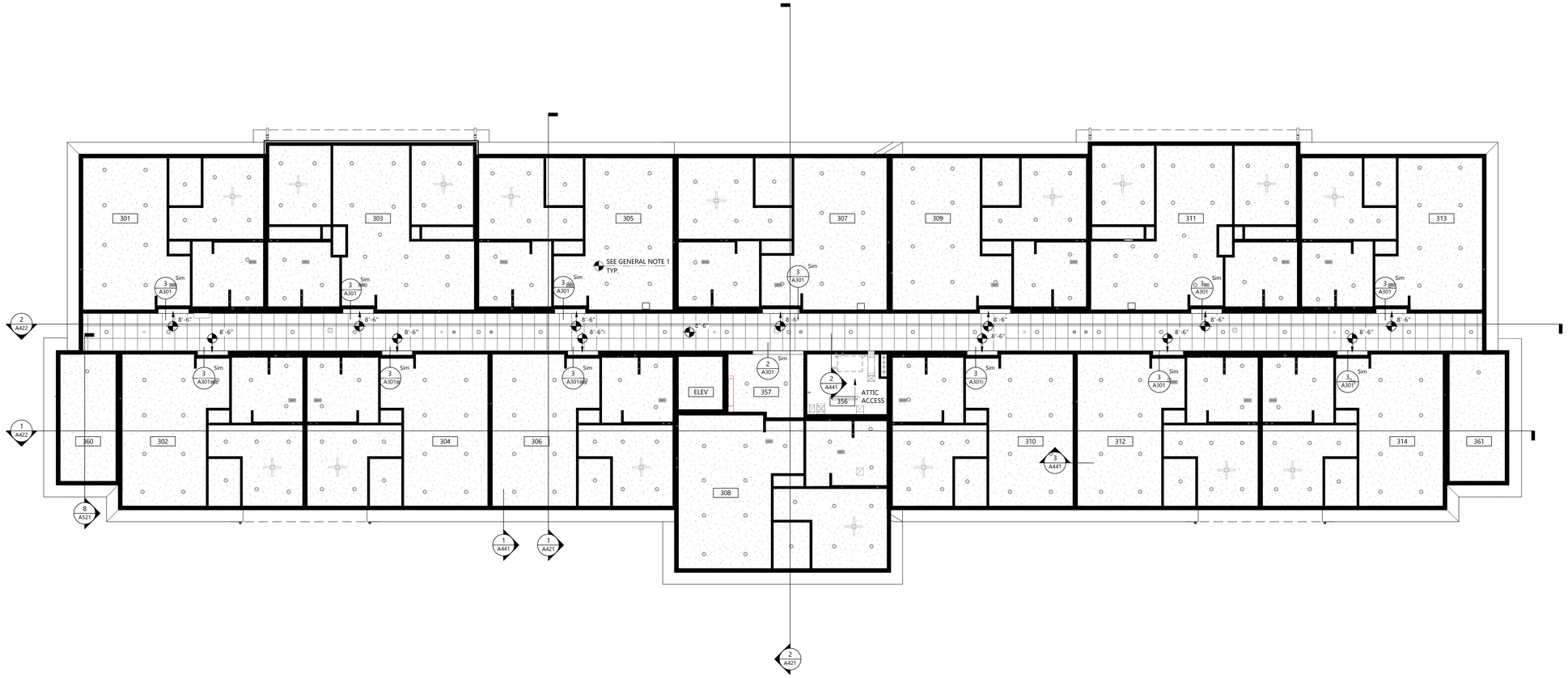
- 2x2 LAY-IN
- 1x4 LAY-IN
- RECESSED INCANDESCENT
- EXIT LIGHT
- TRACK LIGHT



1 A303 THIRD FLOOR CEILING PLAN

1/8" = 1'-0"

N

Revit Version:
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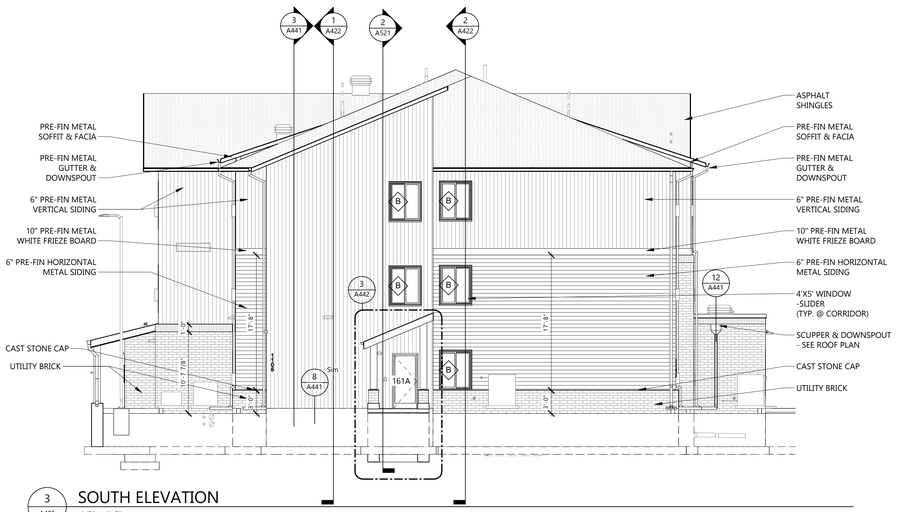
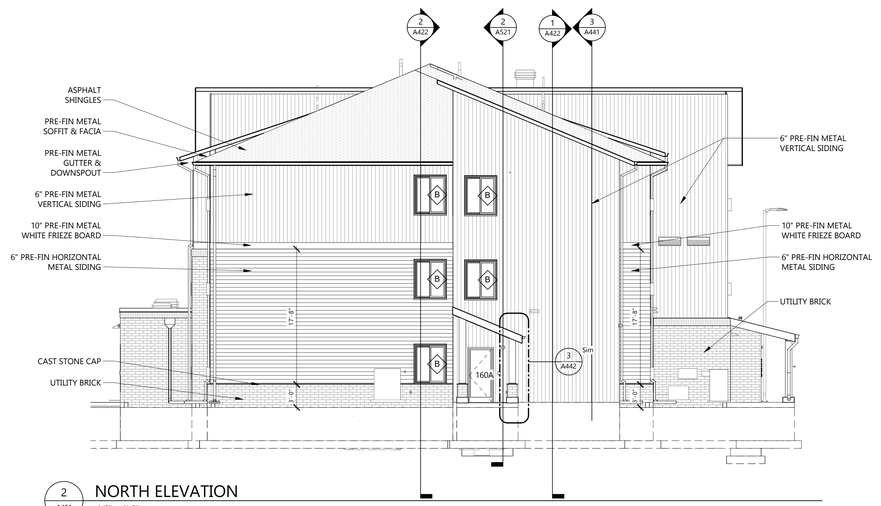
DRAWING TITLE
THIRD FLOOR
REFLECTED CEILING
PLAN

A303

4 A401 EAST ELEVATION
1/8" = 1'-0"



3 A401 SOUTH ELEVATION
1/8" = 1'-0"



2 A401 NORTH ELEVATION
1/8" = 1'-0"

1 A401 WEST ELEVATION
1/8" = 1'-0"

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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
DRAWN BY: BRJ/JN
CHECKED BY: SS

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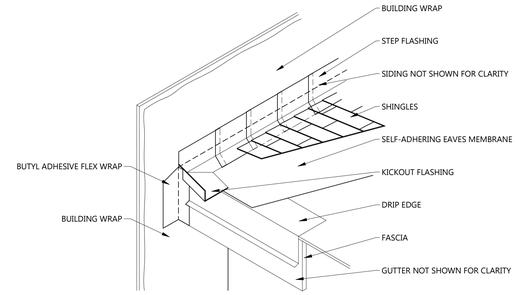
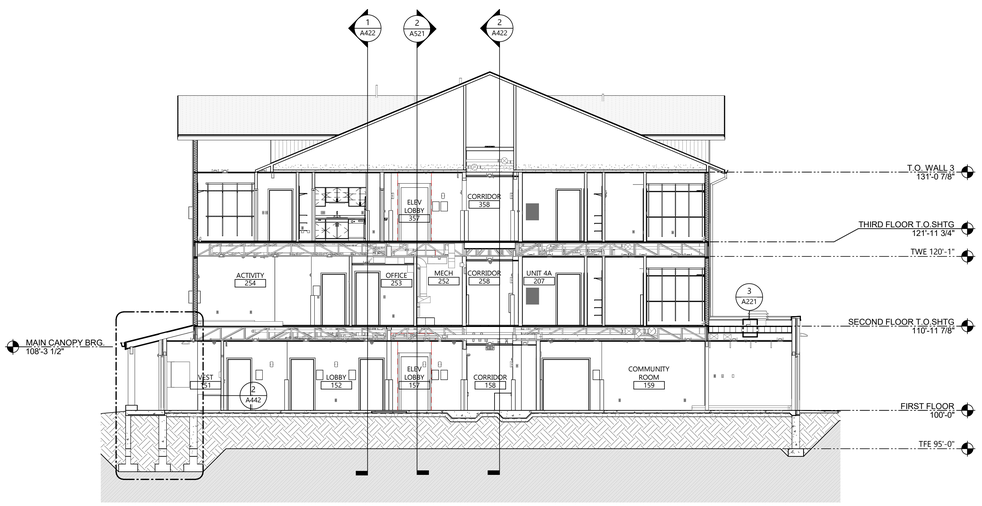
Date: 05-11-2026 REG.NO. 1565

DRAWING TITLE
BUILDING ELEVATIONS

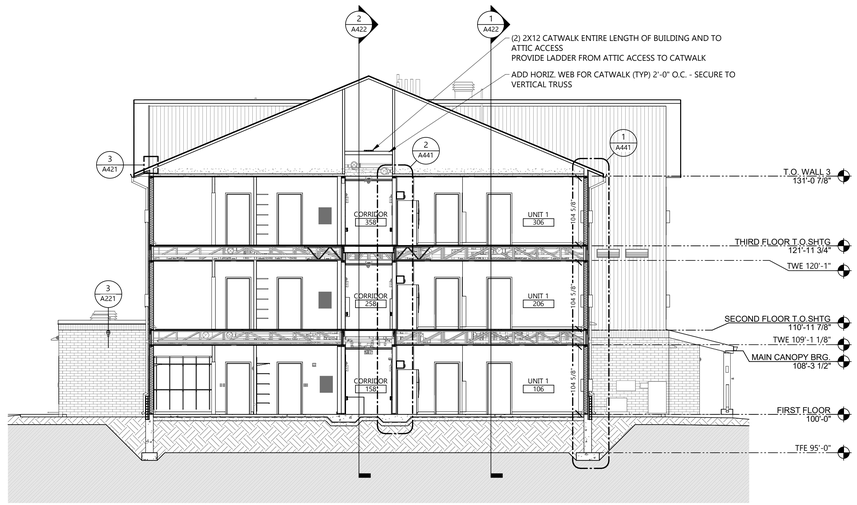
A401



3 A421 KICKOUT FLASHING DETAIL @ ROOF TO WALL - TYP.
NOT TO SCALE



2 A421 BUILDING SECTION - E-W - ENTRY
1/8" = 1'-0"



1 A421 BUILDING SECTION
1/8" = 1'-0"

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DRAWING TITLE
BUILDING SECTIONS

A421

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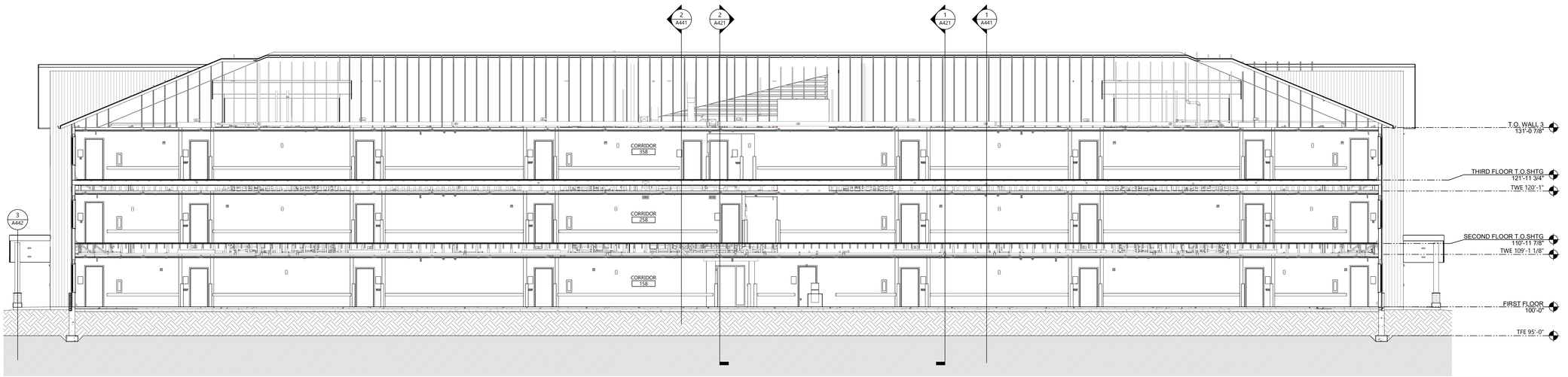
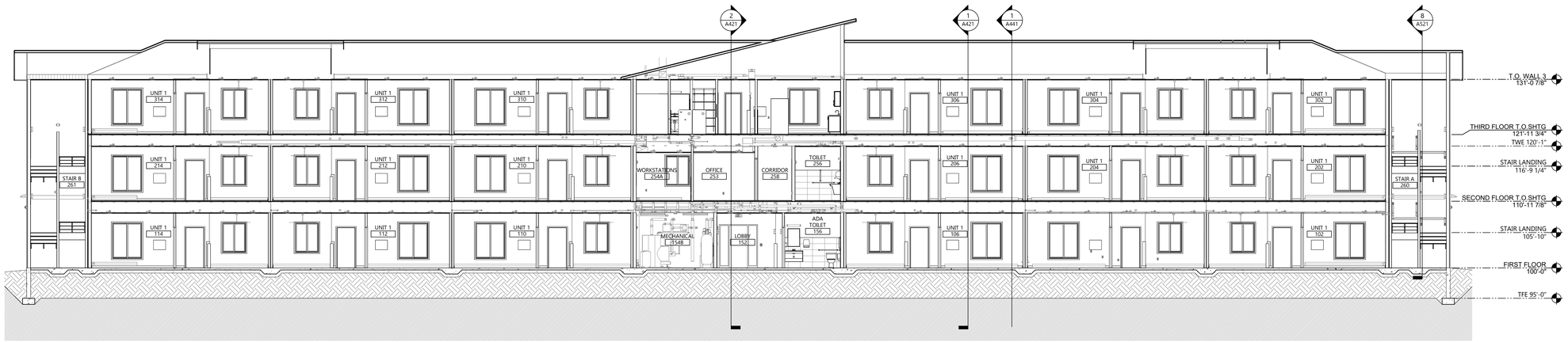


2 A422 BUILDING SECTION

1/8" = 1'-0"



1 A422 BUILDING SECTION - N-S

1/8" = 1'-0"

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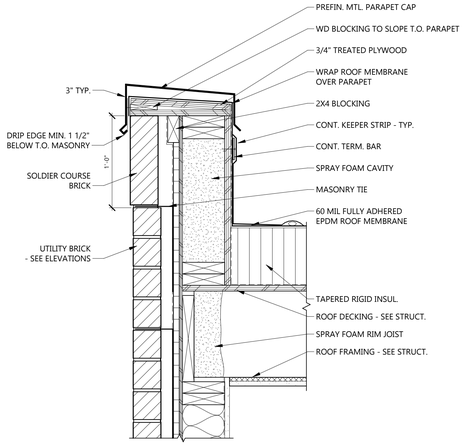
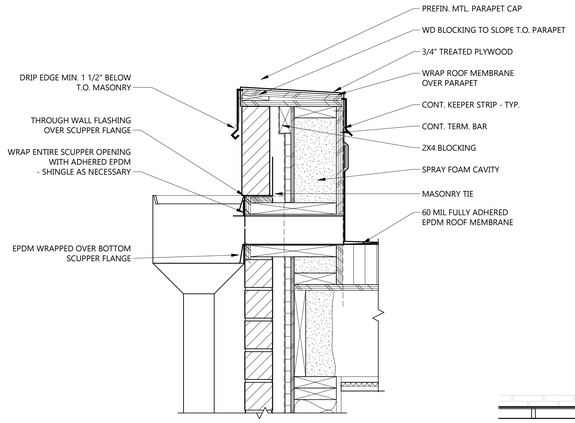
DRAWING TITLE
BUILDING SECTIONS

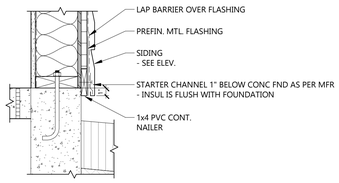
A422



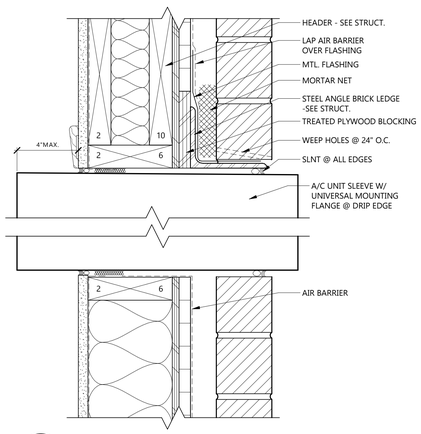
11 A441 **PARAPET WALL**
1 1/2" = 1'-0"



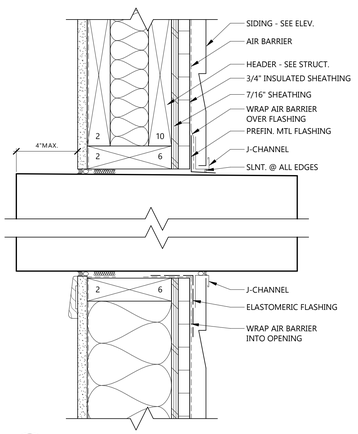
12 A441 **PARAPET SCUPPER DETAIL**
1 1/2" = 1'-0"



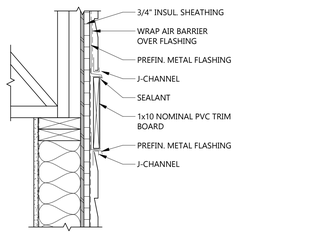
8 A441 **SIDING @ FOUNDATION**
1 1/2" = 1'-0"



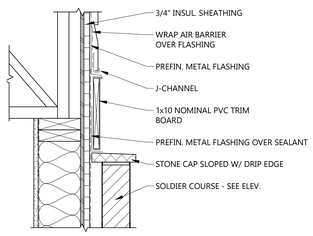
10 A441 **A/C CASE HEAD/SILL @ BRICK**
3" = 1'-0"



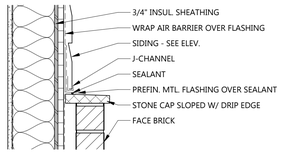
9 A441 **A/C CASE HEAD/SILL @ SIDING**
3" = 1'-0"



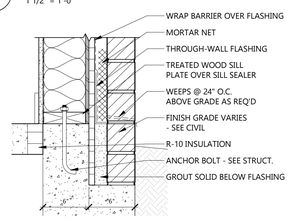
7 A441 **FRIEZE BOARD @ SIDING**
1 1/2" = 1'-0"



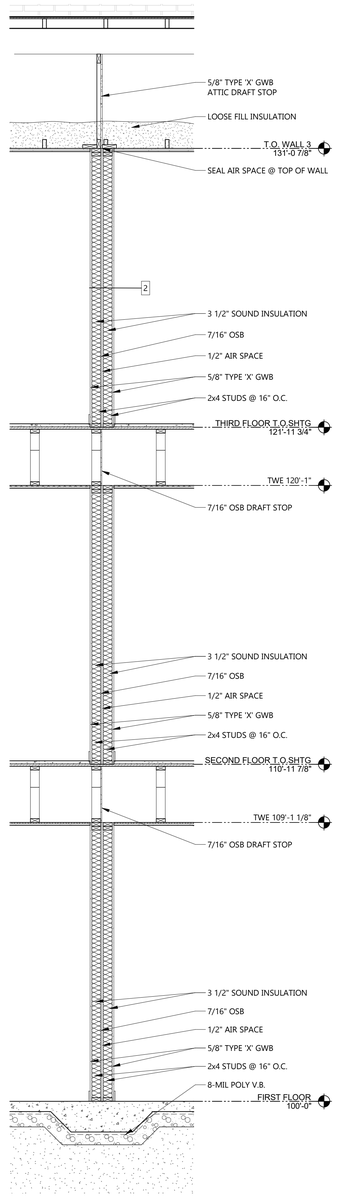
6 A441 **FRIEZE BOARD @ BRICK**
1 1/2" = 1'-0"



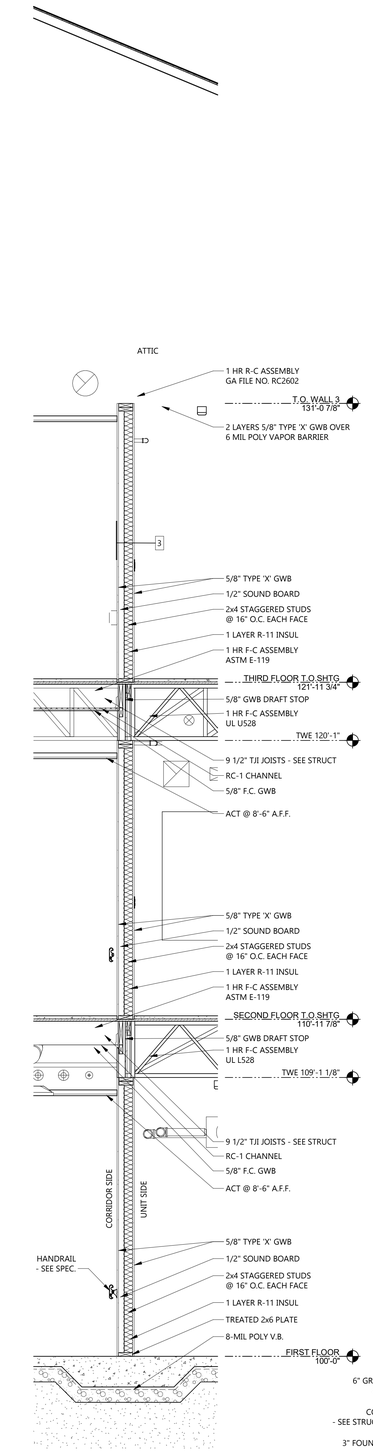
5 A441 **BRICK DETAIL LOW**
1 1/2" = 1'-0"



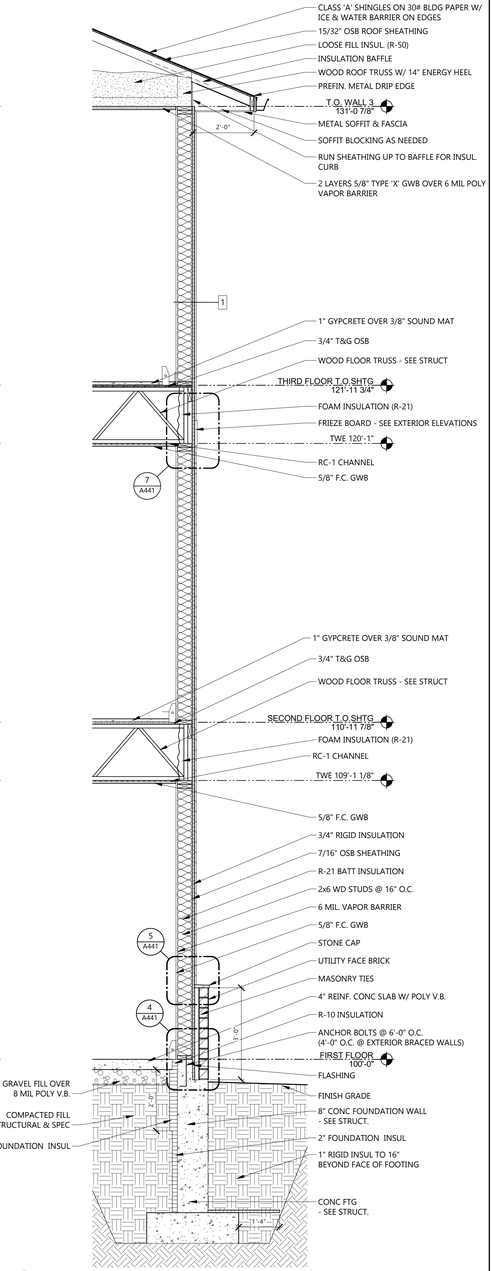
4 A441 **BRICK LEDGE DETAIL**
1 1/2" = 1'-0"



3 A441 **TYP PARTY WALL SECTION**
1/2" = 1'-0"



2 A441 **TYP CORRIDOR WALL SECTION**
1/2" = 1'-0"



1 A441 **TYP EXTERIOR WALL SECTION**
1/2" = 1'-0"

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DRAWING TITLE
WALL SECTIONS

A441

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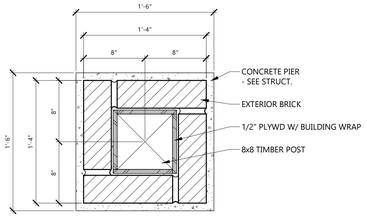
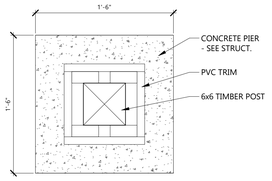
DRAWING TITLE
WALL SECTIONS, CANOPY SECTIONS & DETAILS

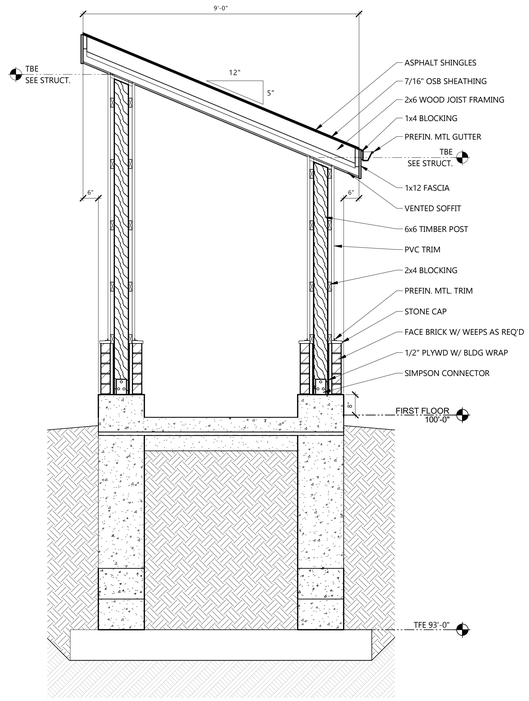
A442



5 A442 SIDE COLUMN PLAN DETAIL
1 1/2" = 1'-0"



4 A442 FRONT COLUMN PLAN DETAIL
1 1/2" = 1'-0"



3 A442 SIDE CANOPY SECTION
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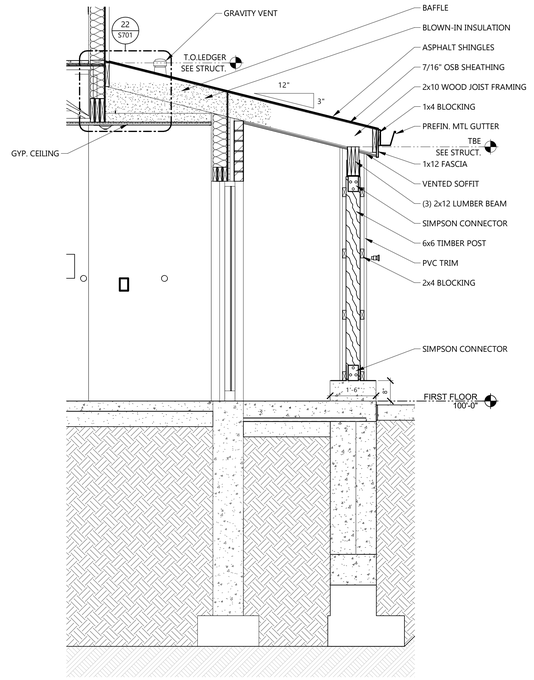
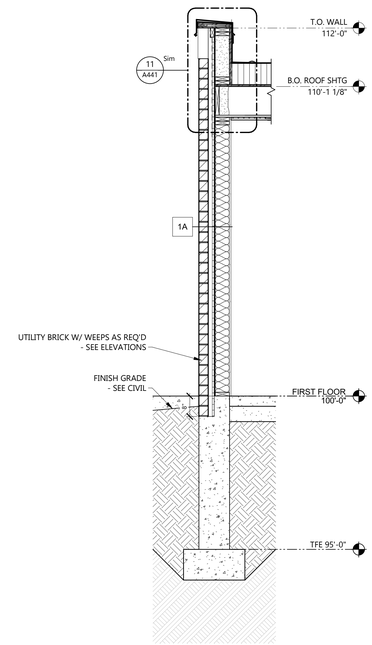


2 A442 FRONT CANOPY SECTION
1/2" = 1'-0"



1 A442 WALL SECTION @ COMMUNITY ROOM
1/2" = 1'-0"

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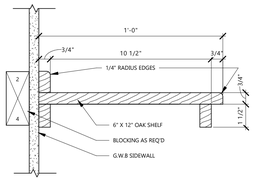
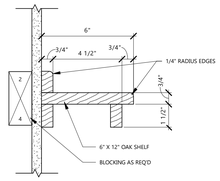


FRONT SECTION



CROSS SECTION

30 A501 WOOD SHELF DETAIL
3" = 1'-0"

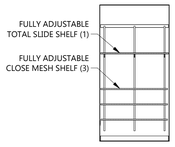
29 A501 TYP. CLOSET SHELVING
1/4" = 1'-0"

UNIT 2/2A DOOR SCHEDULE							
MARK	LOCATION	SIZE	DOOR				NOTES
			TYPE	MATL.	FRAME	HDW GP	
A1	BEDROOM	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A	
B1	BATH	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A	
C1	CLOSET	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	
C3	CLOSET	1'-6" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	
C4	CLOSET	(2) 3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	

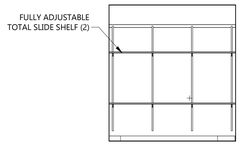
UNIT 1 DOOR SCHEDULE							
MARK	LOCATION	SIZE	DOOR				NOTES
			TYPE	MATL.	FRAME	HDW GP	
A1	BEDROOM	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A	
B1	BATH	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A	
C1	CLOSET	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	
C2	CLOSET	2'-6" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	

GENERAL NOTES

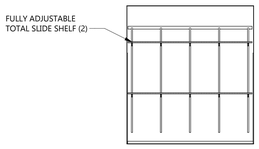
1. PROVIDE UNDERCOUNTER SUPPORTS AS NECESSARY FOR COUNTERTOPS AND WORK SURFACES.
2. REFER TO ELECTRICAL DRAWINGS FOR CABINET-MOUNTED SWITCHES, RECEPTACLES, ETC. INDICATED IN THE ELEVATIONS.
3. REFER TO MECHANICAL DRAWING FOR PLUMBING FIXTURES INDICATED IN THE ELEVATIONS.
4. PROVIDE SCRIBE PANELS ADJACENT TO CABINETS TO FILL IN VOID SPACES ADJACENT TO WALLS AND SOFFITS. SCRIBE PANELS SHALL NOT EXCEED 3" IN WIDTH. UNLESS SHOWN OTHERWISE.
5. SEE SHEET A001 FOR TYPICAL TOILET FIXTURE AND ACCESSORY MOUNTING HEIGHTS.
6. ITEMS INDICATED BY DASHED LINES ARE EQUIPMENT PROVIDED BY OWNER, REFER TO INTERIOR ELEVATION KEY LEGEND.
7. INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS IN EACH ACCESSIBLE UNIT AND IN COMMON AREAS.
8. PROVIDE IN-WALL BACKING FOR GRAB BARS IN ALL UNITS.
9. PROVIDE BLOCKING AT ALL SHOWER UNITS FOR FUTURE SEAT AND GRAB BAR LOCATIONS AND AS PER SHOWER MANUFACTURER RECOMMENDATIONS.
10. PROVIDE BLOCKING AT ALL TOILET LOCATIONS FRO GRAB BARS AND TOILET ACCESSORY LOCATIONS.
11. ALL GRAB BARS, INCLUDING IN SHOWERS, TO BE PROVIDED BY GENERAL WORK AND LABOR CONTRACTOR.
12. FOR ALL WALL OVEN CABINETS, SOV3384B_SPEC586, FIELD ACCOMMODATIONS MAY BE NECESSARY.



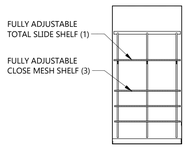
27 A501 UNIT 2A - ENTRY CLOSET
1/4" = 1'-0"



26 A501 UNIT 2A - BEDROOM CLOSET
1/4" = 1'-0"



18 A501 UNIT 2 BEDROOM 2 CLOSET
1/4" = 1'-0"



17 A501 UNIT 2 ENTRY CLOSET
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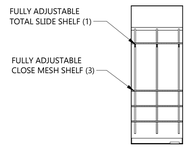
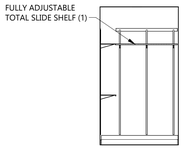
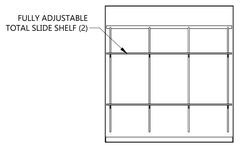


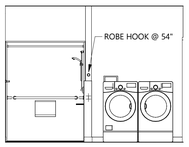
9 A501 UNIT 1 ENTRY CLOSET
1/4" = 1'-0"



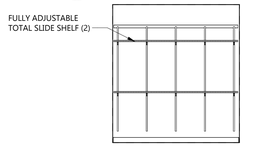
8 A501 UNIT 1 BEDROOM WIC 2
1/4" = 1'-0"



25 A501 UNIT 2A - BEDROOM CLOSET
1/4" = 1'-0"



24 A501 UNIT 2-A BATHROOM ELEV. 3
1/4" = 1'-0"



16 A501 UNIT 2 MASTER BED CLOSET
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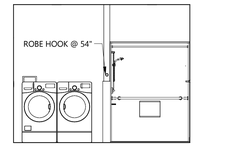

15 A501 UNIT 2 BATHROOM ELEV. 3
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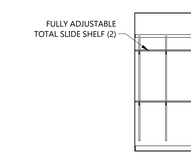

7 A501 UNIT 1 BEDROOM WIC
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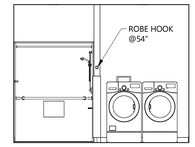

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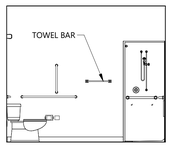

23 A501 UNIT 2-A BATHROOM ELEV. 2
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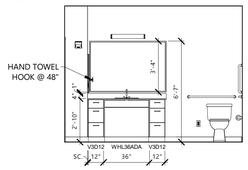

22 A501 UNIT 2-A BATHROOM ELEV. 1
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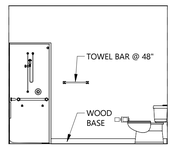

14 A501 UNIT 2 BATHROOM ELEV. 2
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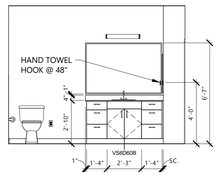

13 A501 UNIT 2 BATHROOM ELEV. 1
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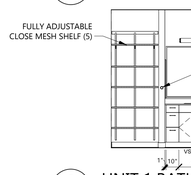
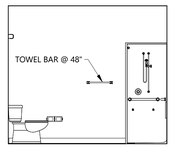
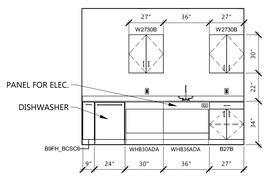


5 A501 UNIT 1 BATHROOM ELEV.
1/4" = 1'-0"



4 A501 UNIT 1 BATHROOM ELEV.
1/4" = 1'-0"



21 A501 UNIT 2-A KITCHEN ELEV.
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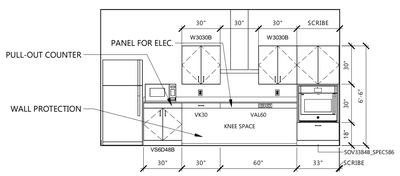

20 A501 UNIT 2-A KITCHEN ELEV. 1
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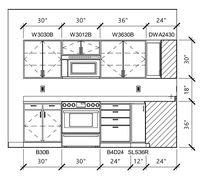

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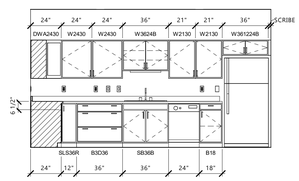
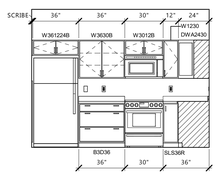


11 A501 UNIT 2 KITCHEN ELEV. 1
1/4" = 1'-0"



3 A501 UNIT 1 KITCHEN ELEV. 1
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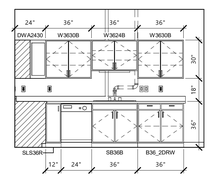

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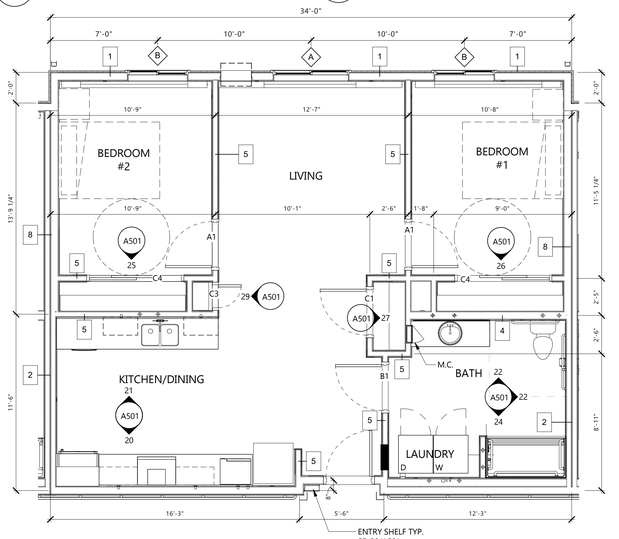
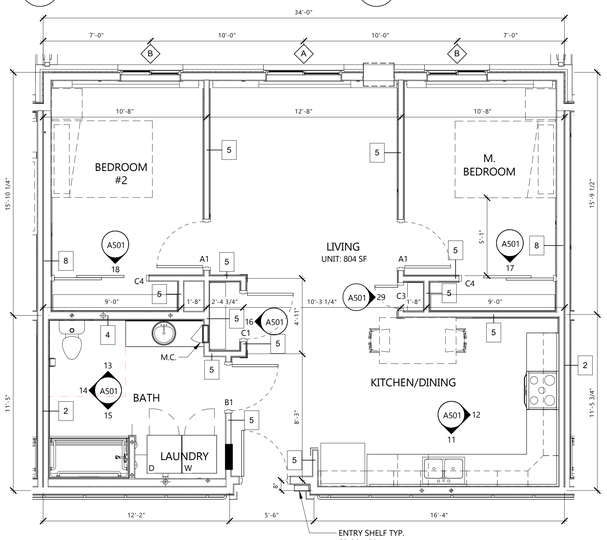


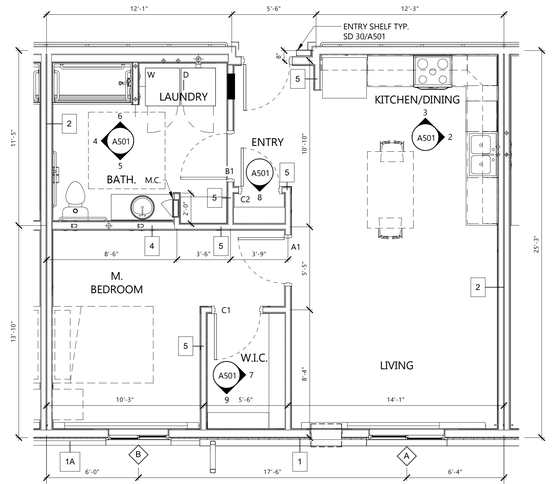
19 A501 UNIT 2-A (ACCESSIBLE)
1/4" = 1'-0"

804 SF



10 A501 UNIT 2
1/4" = 1'-0"

804 SF



1 A501 UNIT 1
1/4" = 1'-0"

642 SF

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APARTMENT COMPLEX

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ISSUE DATES

MARK	DESCRIPTION	DATE
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PROJECT NO: 20244261
DRAWN BY: BRJ/JN
CHECKED BY: SS

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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 Registered Architect under the laws of the State of North Dakota.
Signature:
Date: 05-11-2026 REG. NO. : 1565

DRAWING TITLE
UNIT PLANS AND
INTERIOR ELEVATIONS

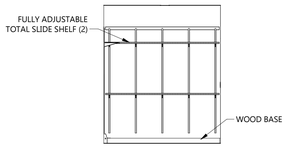
A501

Revit Version:
Plot Date: 5/11/2026 8:41:05 AM

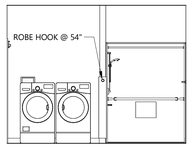
UNIT 3/3A DOOR SCHEDULE							
			DOOR				
MARK	LOCATION	SIZE	TYPE	MATL.	FRAME	HDW GP	NOTES
A1	BEDROOM	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A	
B1	BATH	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A	
C1	CLOSET	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	
C2	CLOSET	2'-6" X 6'-8" X 1 3/4"	F	WDSC	REDI	B	

GENERAL NOTES

1. PROVIDE UNDERCOUNTER SUPPORTS AS NECESSARY FOR COUNTERTOPS AND WORK SURFACES.
2. REFER TO ELECTRICAL DRAWINGS FOR CABINET-MOUNTED SWITCHES, RECEPTACLES, ETC. INDICATED IN THE ELEVATIONS.
3. REFER TO MECHANICAL DRAWING FOR PLUMBING FIXTURES INDICATED IN THE ELEVATIONS.
4. PROVIDE SCRIBE PANELS ADJACENT TO CABINETS TO FILL IN VOID SPACES ADJACENT TO WALLS AND SOFFITS. SCRIBE PANELS SHALL NOT EXCEED 3" IN WIDTH. UNLESS SHOWN OTHERWISE.
5. SEE SHEET A001 FOR TYPICAL TOILET FIXTURE AND ACCESSORY MOUNTING HEIGHTS.
6. ITEMS INDICATED BY DASHED LINES ARE EQUIPMENT PROVIDED BY OWNER, REFER TO INTERIOR ELEVATION KEY LEGEND.
7. INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS IN EACH ACCESSIBLE UNIT AND IN COMMON AREAS.
8. PROVIDE IN-WALL BACKING FOR GRAB BARS IN ALL UNITS.
9. PROVIDE BLOCKING AT ALL SHOWER UNITS FOR FUTURE SEAT AND GRAB BAR LOCATIONS AND AS PER SHOWER MANUFACTURER RECOMMENDATIONS.
10. PROVIDE BLOCKING AT ALL TOILET LOCATIONS FRO GRAB BARS AND TOILET ACCESSORY LOCATIONS.
11. ALL GRAB BARS, INCLUDING IN SHOWERS, TO BE PROVIDED BY GENERAL WORK AND LABOR CONTRACTOR.



16 A502 UNIT 3A WIC 2
1/4" = 1'-0"



13 A502 UNIT 3-A BATHROOM ELEV. 3
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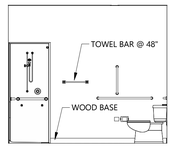

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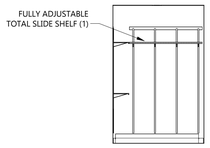

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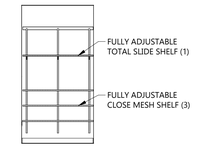

17 A502 UNIT 3 - ENTRY CLOSET
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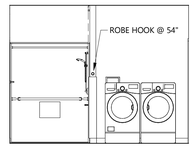

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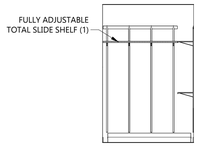

15 A502 UNIT 3A WIC
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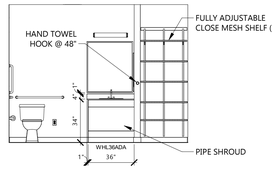

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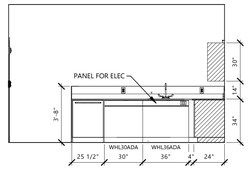

9 A502 UNIT 3-A KITCHEN ELEV. 3
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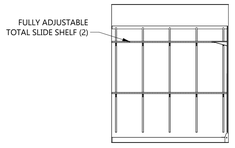

19 A502 UNIT 3 WIC 2
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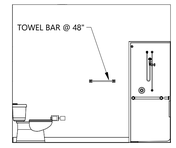

8 A502 UNIT 3 BATHROOM ELEV. 2
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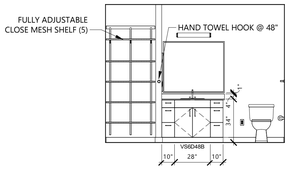

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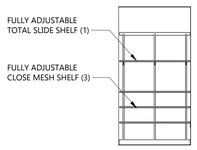
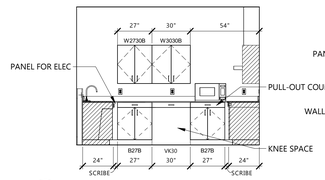


14 A502 UNIT 3A ENTRY CLOSET
1/4" = 1'-0"



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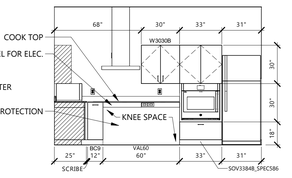
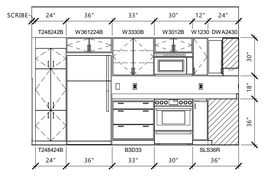
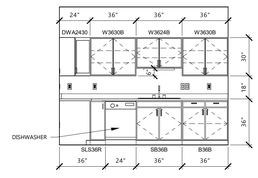
1/4" = 1'-0"



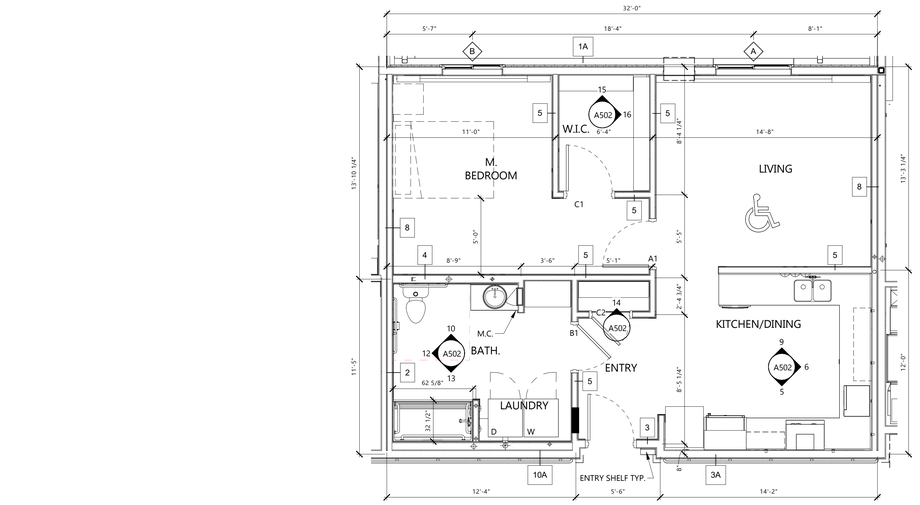
5 A502 UNIT 3-A KITCHEN ELEV. 1
1/4" = 1'-0"



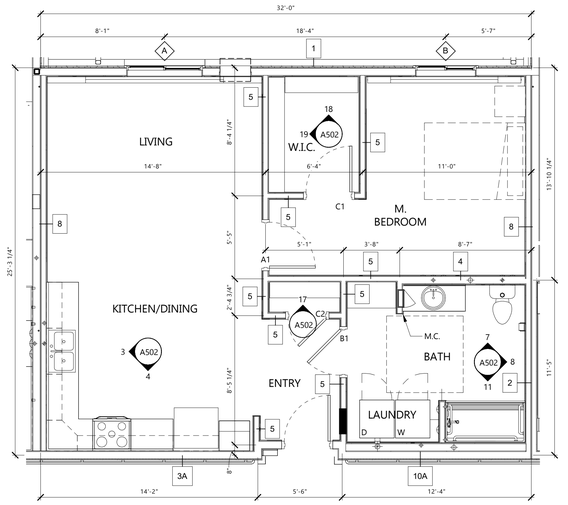
4 A502 UNIT 3 KITCHEN ELEV. 1
1/4" = 1'-0"



3 A502 UNIT 3 KITCHEN ELEV. 2
1/4" = 1'-0"



2 A502 UNIT 3-A (ACCESSIBLE)
1/4" = 1'-0"
689 SF



1 A502 UNIT 3
1/4" = 1'-0"
689 SF

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DRAWING TITLE
UNIT PLANS AND
INTERIOR ELEVATIONS

A502

Revit Version:
Print Date: 5/11/2026 8:41:11 AM

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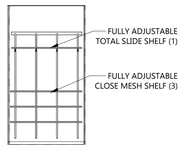
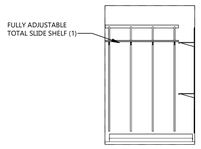
B1	BATH	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	B
C1	CLOSET	3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A
C2	CLOSET	2'-6" X 6'-8" X 1 3/4"	F	WDSC	REDI	B
C3	CLOSET	1'-6" X 6'-8" X 1 3/4"	F	WDSC	REDI	B
C4	CLOSET	(2) 3'-0" X 6'-8" X 1 3/4"	F	WDSC	REDI	A

GENERAL NOTES

1. PROVIDE UNDERCOUNTER SUPPORTS AS NECESSARY FOR COUNTERTOPS AND WORK SURFACES.
2. REFER TO ELECTRICAL DRAWINGS FOR CABINET-MOUNTED SWITCHES, RECEPTACLES, ETC. INDICATED IN THE ELEVATIONS.
3. REFER TO MECHANICAL DRAWING FOR PLUMBING FIXTURES INDICATED IN THE ELEVATIONS.
4. PROVIDE SCRIBE PANELS ADJACENT TO CABINETS TO FILL IN VOID SPACES ADJACENT TO WALLS AND SOFFITS. SCRIBE PANELS SHALL NOT EXCEED 3" IN WIDTH. UNLESS SHOWN OTHERWISE.
5. SEE SHEET A001 FOR TYPICAL TOILET FIXTURE AND ACCESSORY MOUNTING HEIGHTS.
6. ITEMS INDICATED BY DASHED LINES ARE EQUIPMENT PROVIDED BY OWNER, REFER TO INTERIOR ELEVATION KEY LEGEND.
7. INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS IN EACH ACCESSIBLE UNIT AND IN COMMON AREAS.
8. PROVIDE IN-WALL BACKING FOR GRAB BARS IN ALL UNITS.
9. ALL UPPER CABINETS IN ACCESSIBLE/UNIVERSAL DESIGN UNITS SHOULD HAVE PULL DOWN SHELVING
10. FOR ALL WALL OVEN CABINETS, SOV33848_SPEC586, FIELD ACCOMMODATIONS MAY BE NECESSARY.



14 A503 UNIT 4A ENTRY CLOSET
1/4" = 1'-0"



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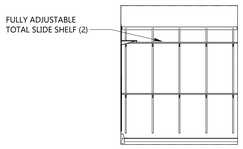

15 A503 UNIT 4A WIC 1
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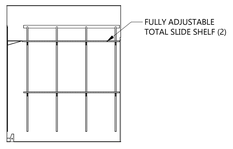

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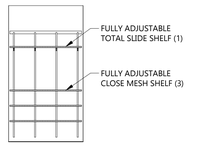

17 A503 UNIT 4 ENTRY CLOSET
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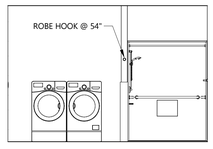
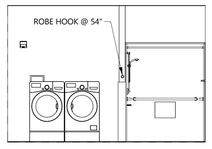
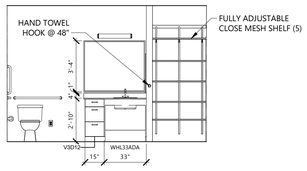


11 A503 UNIT 4 BATHROOM ELEV. 3
1/4" = 1'-0"

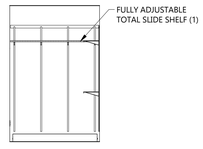


12 A503 UNIT 4-A BATHROOM ELEV. 3
1/4" = 1'-0"

10 A503 UNIT 4-A BATHROOM ELEV. 2
1/4" = 1'-0"



9 A503 UNIT 4-A BATHROOM ELEV. 1
1/4" = 1'-0"



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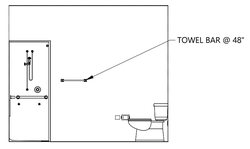
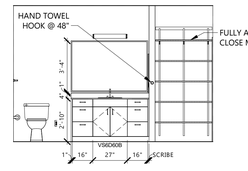


8 A503 UNIT 4 BATHROOM ELEV. 2
1/4" = 1'-0"



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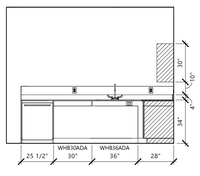
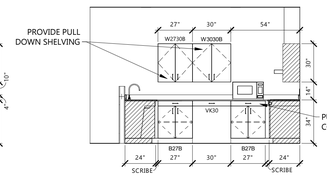


13 A503 UNIT 4-A KITCHEN ELEV. 3
1/4" = 1'-0"



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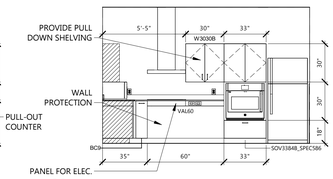

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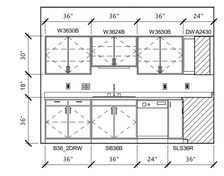

4 A503 UNIT 4 KITCHEN ELEV. 2
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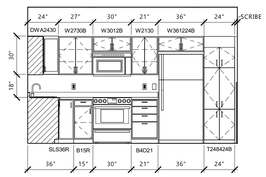

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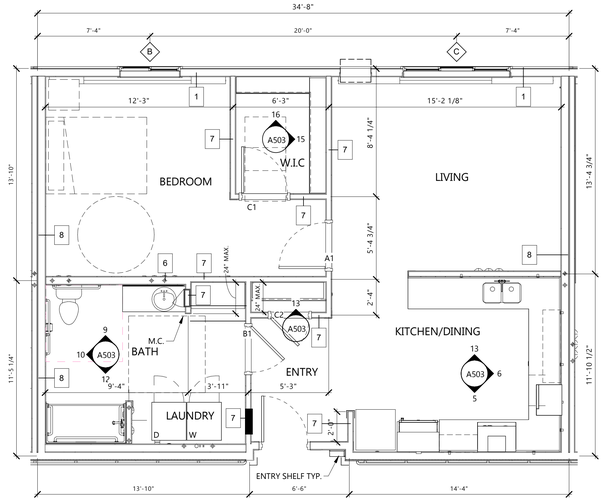
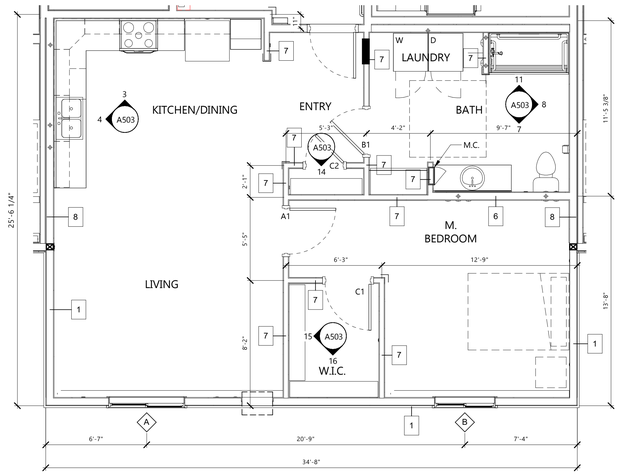
1/4" = 1'-0"



2 A503 UNIT 4-A (ACCESSIBLE) 747 SF
1/4" = 1'-0"



1 A503 UNIT 4 747 SF
1/4" = 1'-0"

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Interior Design | Industrial
TELEPHONE 701.461.7222
112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
DRAWN BY: BRJ/JN
CHECKED BY: SS

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STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
Signature:
Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
UNIT PLANS AND
INTERIOR ELEVATIONS

A503

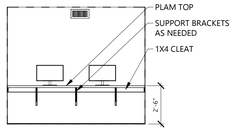
Revit Version:
Plot Date: 5/11/2026 8:41:23 AM

GENERAL NOTES

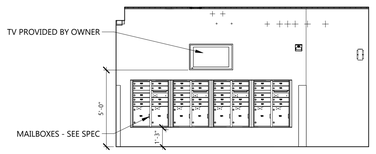
1. PROVIDE UNDERCOUNTER SUPPORTS AS NECESSARY FOR COUNTERTOPS AND WORK SURFACES.
2. REFER TO ELECTRICAL DRAWINGS FOR CABINET-MOUNTED SWITCHES, RECEPTACLES, ETC. INDICATED IN THE ELEVATIONS.
3. REFER TO MECHANICAL DRAWING FOR PLUMBING FIXTURES INDICATED IN THE ELEVATIONS.
4. PROVIDE SCRIBE PANELS ADJACENT TO CABINETS TO FILL IN VOID SPACES ADJACENT TO WALLS AND SOFFITS. SCRIBE PANELS SHALL NOT EXCEED 3" IN WIDTH. UNLESS SHOWN OTHERWISE.
5. SEE SHEET A001 FOR TYPICAL TOILET FIXTURE AND ACCESSORY MOUNTING HEIGHTS.
6. ITEMS INDICATED BY DASHED LINES ARE EQUIPMENT PROVIDED BY OWNER, REFER TO INTERIOR ELEVATION KEY LEGEND.
7. INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS IN EACH ACCESSIBLE UNIT AND IN COMMON AREAS.
8. PROVIDE IN-WALL BACKING FOR GRAB BARS IN ALL UNITS.
9. ALL UPPER CABINETS IN ACCESSIBLE/UNIVERSAL DESIGN UNITS SHOULD HAVE PULL DOWN SHELVING
10. FOR ALL WALL OVEN CABINETS, SOV3384B_SPEC586, FIELD ACCOMMODATIONS MAY BE NECESSARY.

ACCESSORIES LEGEND

SYMBOL	QTY.	DESCRIPTION
EXG	2	EXTERIOR SQUARE OUTSIDE CONTAINER
WHS	4	BUCKEYE SYMMETRY 1250ML MAVRIK ALPINE DISP, WHITE WITH BLACK
CTD	1	TORK XPRESS 302028 COUNTERTOP TOWEL DISPENSER, BLACK
SJ	2	3540-60 SLIM JIM WASTEBASKET GREY, SLIM + LINERS
CHS	1	COUNTER HAND SOAP
AF	2	OURFRESH DISPENSER, #6110
WTD	3	TORK 5511284 ELEV INTUITION, HAND TOWEL DISPENSER, BLACK
TPD	3	TORK 565728 TWIN BATH TISSUE, DISPENSER FOR OPTIC-CORE, BLACK
SD	3	6140 SANITARY NAPKIN RECEPTACLE, RUBBERMAID
WB	3	3540-60 WASTEBASKET GREY, SLIM
WBL	3	RCP-267360 GREY, SLIM LIM LID
WSD	3	SYMMETRY 1250ML MAVRIK PRESTIGE DISP, BLACK
CFW	1	CLOROX FACILITY WIPES DISPENSER
SGC	2	2957 WASTEBASKET, GREY + LINERS

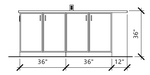


16 A504 WORKSTATION
1/4" = 1'-0"

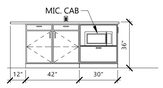


14 A504 MAILBOX ELEV.
1/4" = 1'-0"

15 A504 WRAPPED COLUMN DETAIL
1 1/2" = 1'-0"



13 A504 KITCHEN ISLAND BACK
1/4" = 1'-0"



12 A504 COMM.KITCHEN ELEV.
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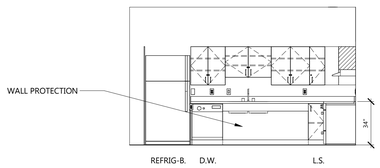
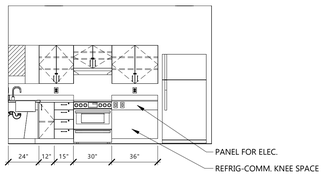


11 A504 COMM. KITCHEN ELEV
1/4" = 1'-0"



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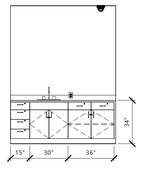
1/4" = 1'-0"



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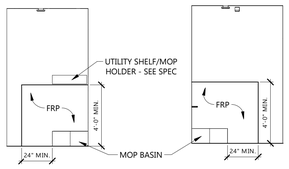
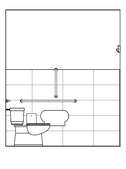


8 A504 MOP SINK ELEV.
1/4" = 1'-0"

7 A504 MOP SINK ELEV.
1/4" = 1'-0"



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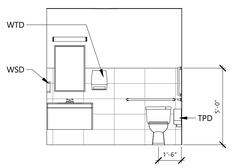
1/4" = 1'-0"



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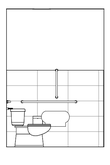

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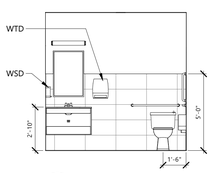

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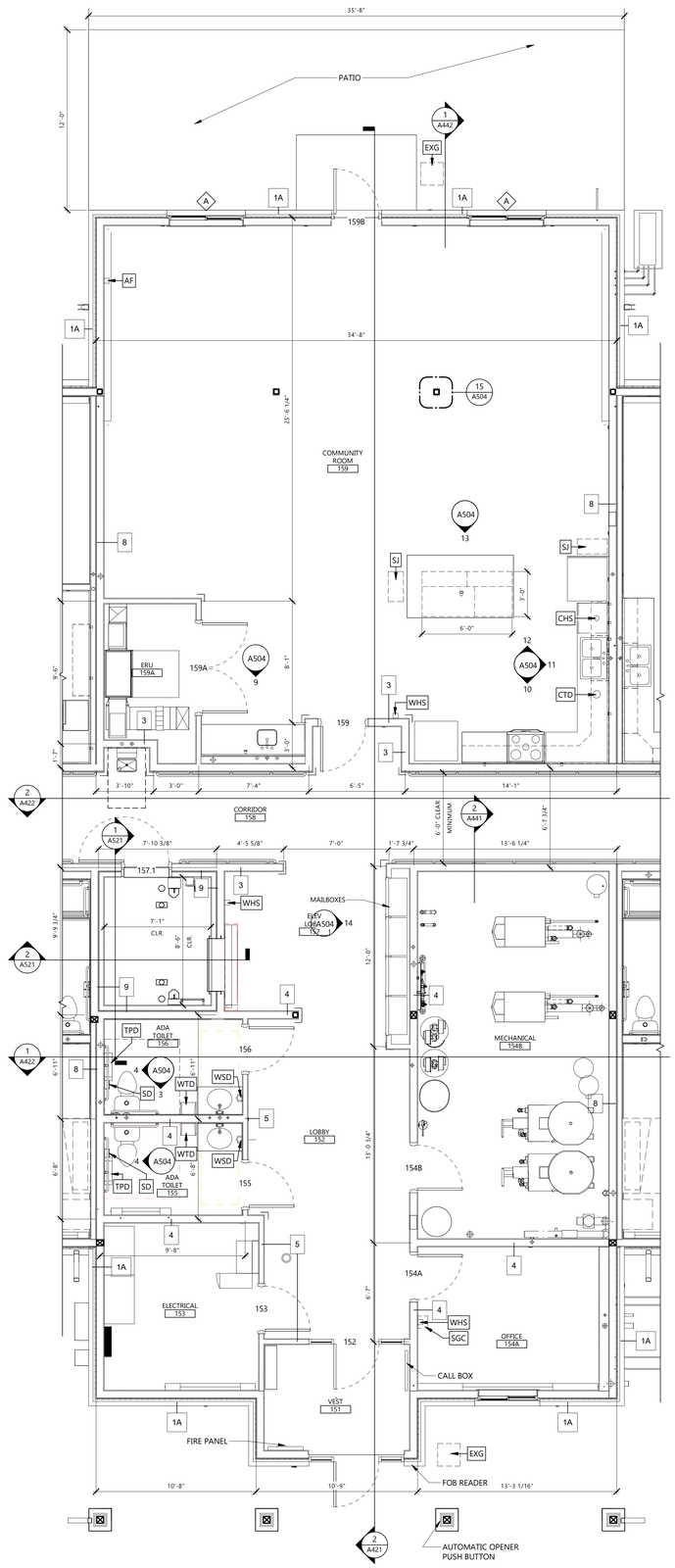
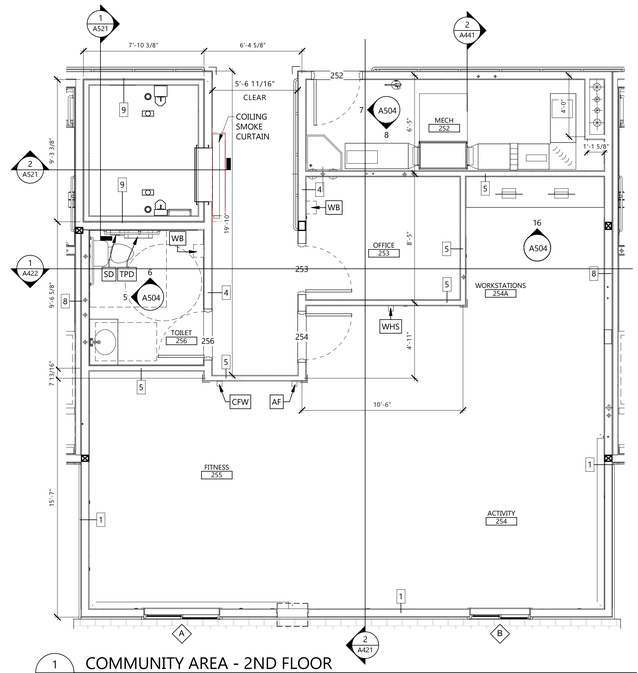


2 A504 COMMUNITY AREA - 1ST FLOOR
1/4" = 1'-0"



1 A504 COMMUNITY AREA - 2ND FLOOR
1/4" = 1'-0"

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Interior Design | Industrial
TELEPHONE 701.461.7222
112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

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CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
DRAWN BY: BRJ/JN
CHECKED BY: SS

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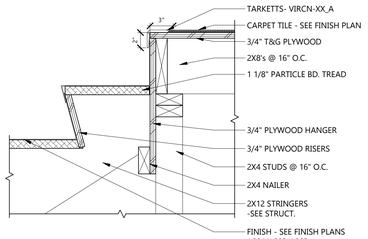
Signature:
Date: 05-11-2026 REG. NO. 1565

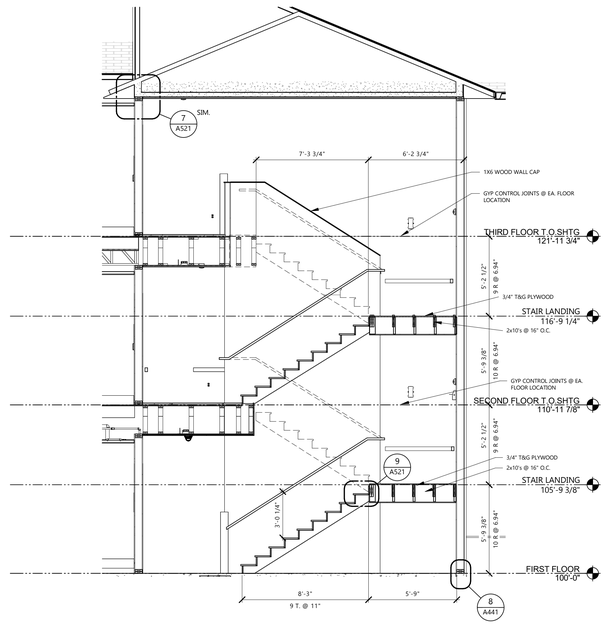
DRAWING TITLE
ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS

A504

Revit Version:
Print Date: 5/11/2026 8:41:15 AM



9 A521 TYP. STAIR LANDING DETAIL
1 1/2" = 1'-0"



8 A521 TYP. STAIR SECTION
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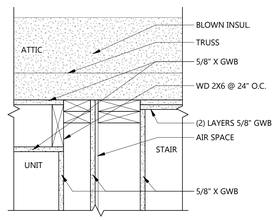
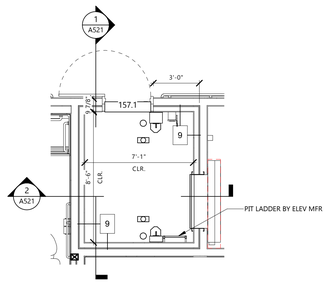


7 A521 FRAMING @ STAIR CEILING
1 1/2" = 1'-0"



6 A521 ENLARGED ELEVATOR PLAN
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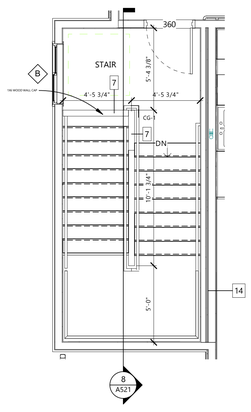

5 A521 TYP. THIRD FLOOR STAIR PLAN
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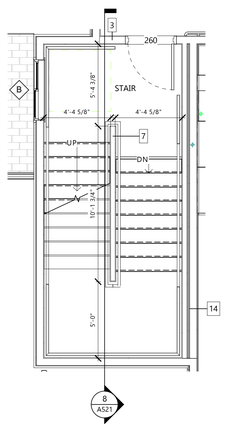
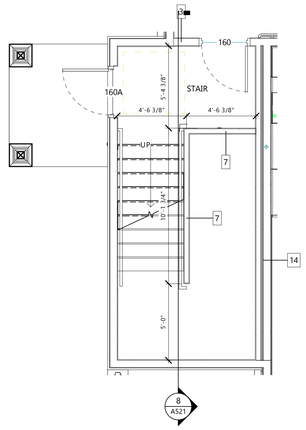
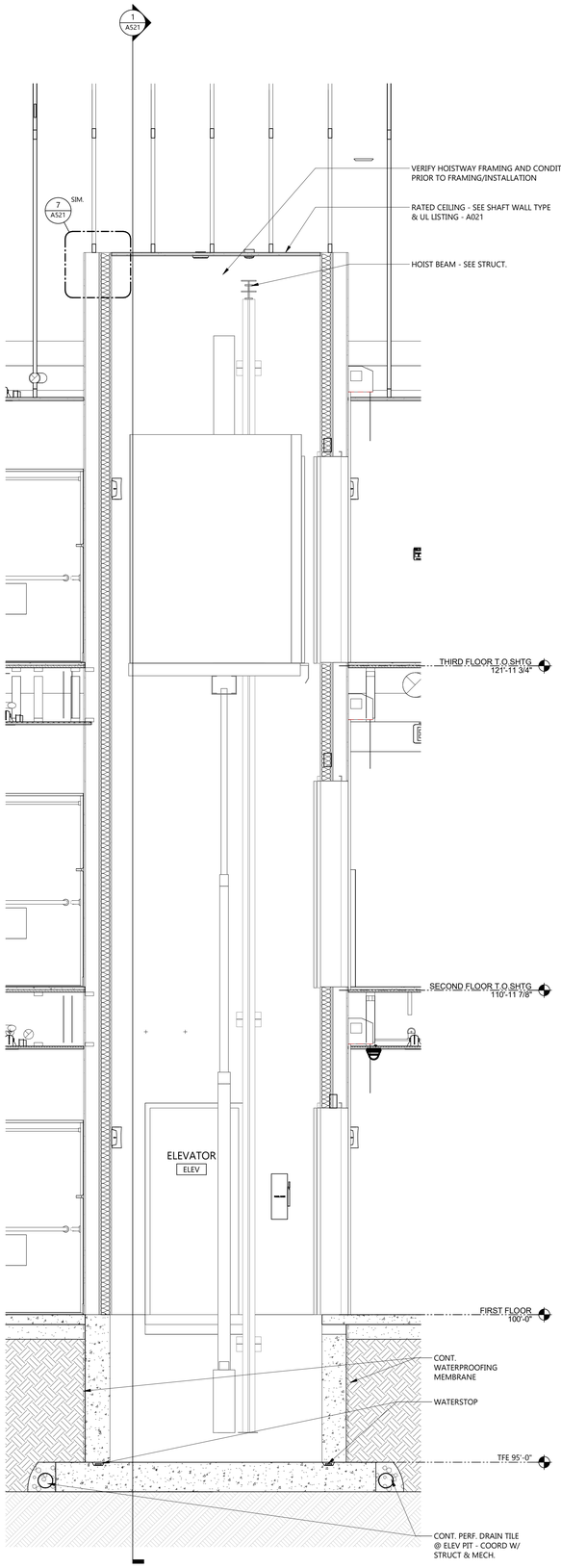


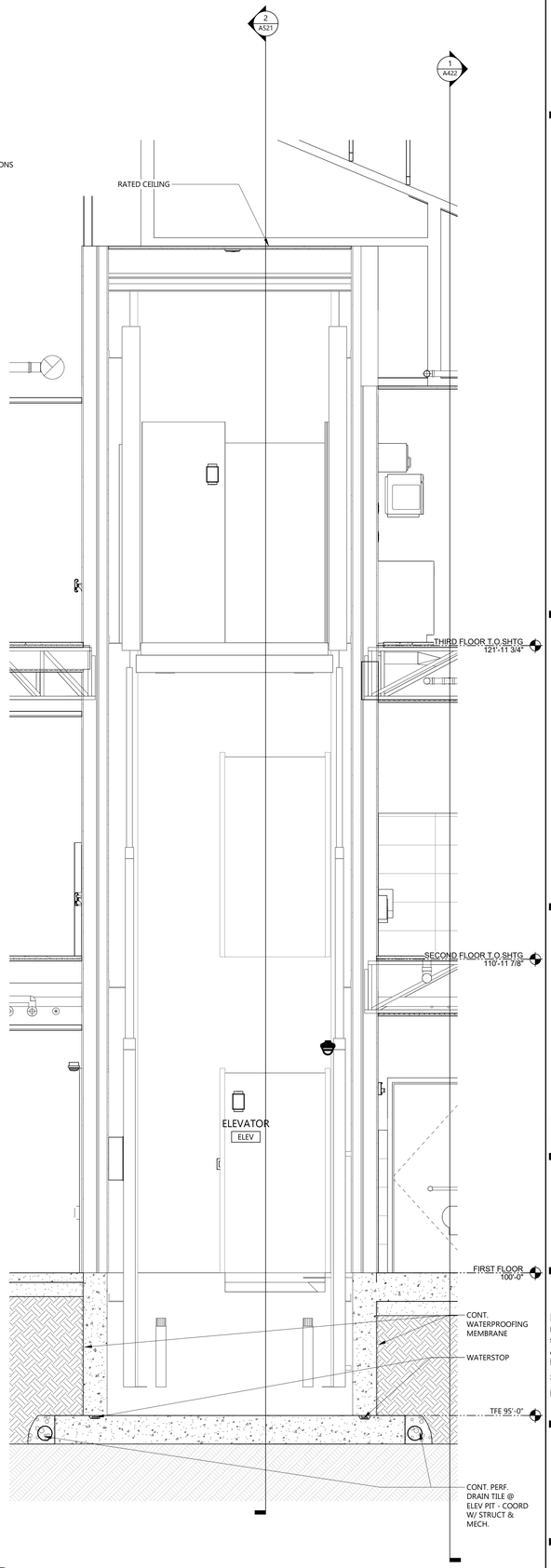
4 A521 TYP. SECOND FLOOR STAIR PLAN
1/4" = 1'-0"



3 A521 TYP. FIRST FLOOR STAIR PLAN
1/4" = 1'-0"



2 A521 ELEVATOR SECTION
1/2" = 1'-0"



1 A521 ELEVATOR SECTION
1/2" = 1'-0"

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Plot Date: 5/11/2026 8:41:42 AM

EAPC
Architecture | Engineering
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TELEPHONE 701.461.7222
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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
DRAWN BY: BRJ/JN
CHECKED BY: SS

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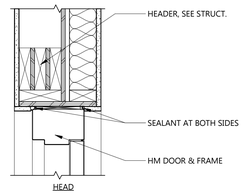
STAMP

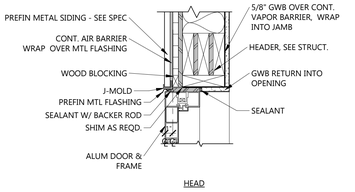
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
Signature:
Date: 05-11-2026 REG. NO. 1565

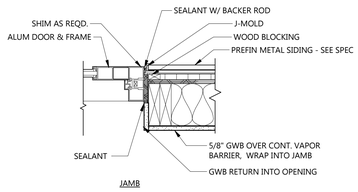
DRAWING TITLE
STAIR PLANS AND SECTIONS, DETAILS & ELEVATOR SECTIONS

A521

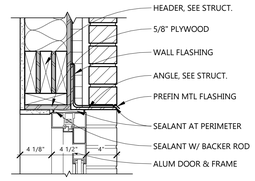


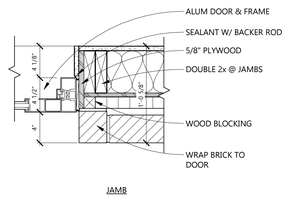
14 A801 HM DOOR FRAME @ ELEVATOR ACCESS
1 1/2" = 1'-0"



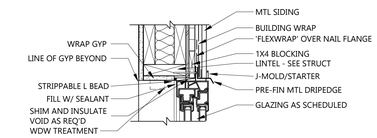


13 A801 ALUM DOOR @ SIDING
1 1/2" = 1'-0"

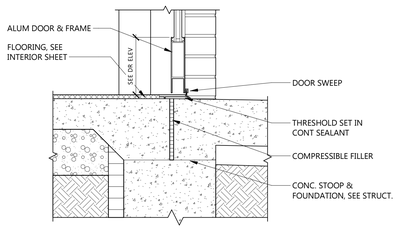




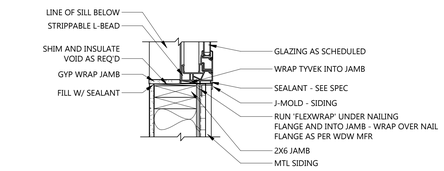
12 A801 ALUM DOOR FRAME @ EXTERIOR BRICK
1 1/2" = 1'-0"



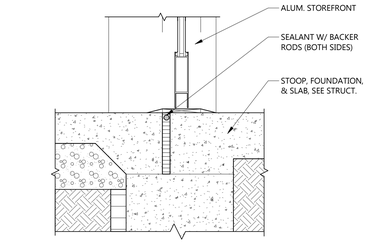
11 A801 VINYL FRAME HEAD @ EXTERIOR WALL
1 1/2" = 1'-0"



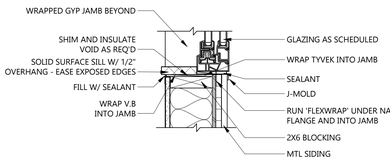
7 A801 ALUM DOOR THRESHOLD @ EXTERIOR
1 1/2" = 1'-0"



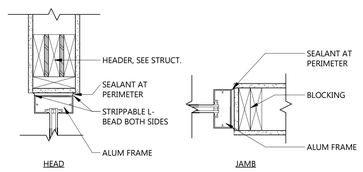
10 A801 VINYL FRAME JAMB @ EXTERIOR WALL
1 1/2" = 1'-0"



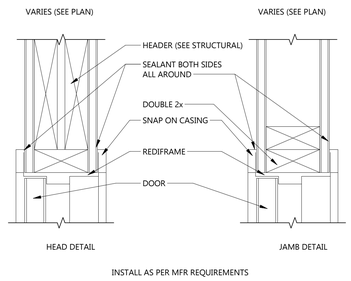
6 A801 ALUM STOREFRONT THRESHOLD @ INTERIOR
1 1/2" = 1'-0"



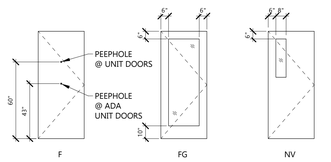
9 A801 VINYL FRAME SILL @ EXTERIOR WALL
1 1/2" = 1'-0"



5 A801 ALUM FRAME @ INTERIOR WALL
1 1/2" = 1'-0"

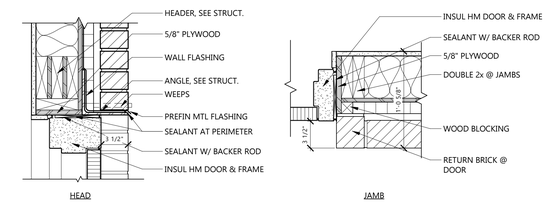


3 A801 REDI-FRAME W/ SNAP-ON CASING
1 1/2" = 1'-0"

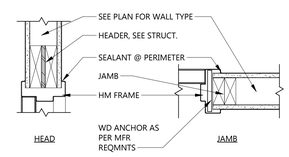


DOOR PANEL TYPES

8 A801 WINDOW ELEVATIONS
1/4" = 1'-0"

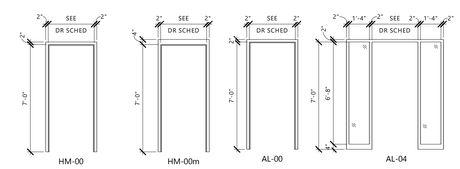


4 A801 HM DOOR FRAME @ EXTERIOR BRICK
1 1/2" = 1'-0"



2 A801 HM DOOR @ INTERIOR WALL
1 1/2" = 1'-0"

DOOR FRAME TYPES



FIRST FLOOR DOOR SCHEDULE

NO.	DOOR PANEL SIZE	TYPE	MATERIAL	FRAME TYPE	DOOR FRAME TYPE	MATERIAL	DETAILS HEAD	JAMB	SILL	FIRE RATING	HARDWARE GROUP	COMMENTS
101	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
102	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
103	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
104	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
105	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
106	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
109	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
110	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
111	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
112	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
113	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
114	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
151	3'-0"x7'-0"x1 3/4"	FG	AL	AL-04	AL-04	AL	12/A801	12/A801	7/A801			
152	3'-0"x7'-0"x1 3/4"	FG	AL	AL-04	AL-04	AL	5/A801	5/A801	6/A801			
153	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		PANIC HDWR
154A	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
154B	3'-0"x7'-0"x1 3/4"	F	HM	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		
155	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
156	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
157.1	3'-0"x7'-0"x1 3/4"	F	HM	HM-00	HM-00	HM	14/A801	14/A801		45 MIN		
159	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
159A	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801				DOUBLE DOOR
159B	3'-0"x7'-0"x1 3/4"	FG	AL	AL-00	AL-00	AL	12/A801	12/A801				
160	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		
160A	3'-0"x7'-0"x1 3/4"	FG	AL	AL-00	AL-00	AL	13/A801	13/A801				
161	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		
161A	3'-0"x7'-0"x1 3/4"	FG	AL	AL-00	AL-00	AL	13/A801	13/A801				

SECOND FLOOR DOOR SCHEDULE

NO.	DOOR PANEL SIZE	TYPE	MATERIAL	FRAME TYPE	DOOR FRAME TYPE	MATERIAL	DETAILS HEAD	JAMB	SILL	FIRE RATING	HARDWARE GROUP	COMMENTS
201	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
202	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
203	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
204	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
205	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
206	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
207	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
209	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
210	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
211	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
212	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
213	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
214	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
252	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
253	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
254	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
256	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
260	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		
261	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		

THIRD FLOOR DOOR SCHEDULE

NO.	DOOR PANEL SIZE	TYPE	MATERIAL	FRAME TYPE	DOOR FRAME TYPE	MATERIAL	DETAILS HEAD	JAMB	SILL	FIRE RATING	HARDWARE GROUP	COMMENTS
301	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
302	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
303	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
304	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
305	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
306	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
307	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
308	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
309	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
310	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
311	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
312	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
313	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
314	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
356	3'-0"x6'-8"x1 3/4"	F	WD	HM-00	HM-00	HM	2/A801	2/A801		20 MIN		
360	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		
361	3'-0"x7'-0"x1 3/4"	NV	WD	HM-00	HM-00	HM	2/A801	2/A801		45 MIN		

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Interior Design | Industrial
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112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20244261
DRAWN BY: BRJ/JN
CHECKED BY: SS

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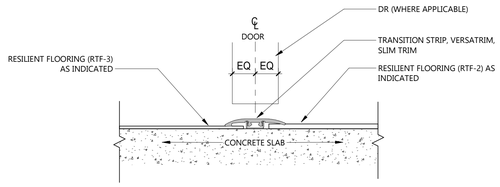
STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.
Signature:
Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS

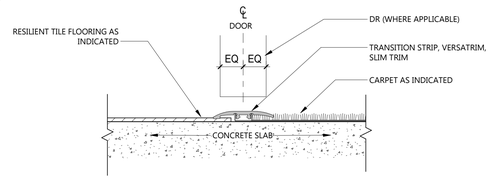
A801

Revit Version:
Plot Date: 5/11/2026 8:41:45 AM



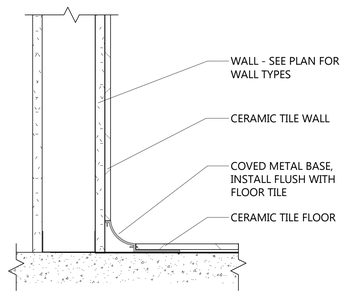
7 A901 TS-6 RESILIENT FLOORING TO RESILIENT FLOORING

6" = 1'-0"



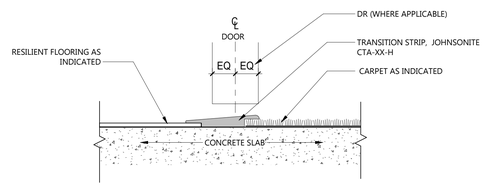
5 A901 TS-3 RESILIENT FLOORING TO CARPET

6" = 1'-0"



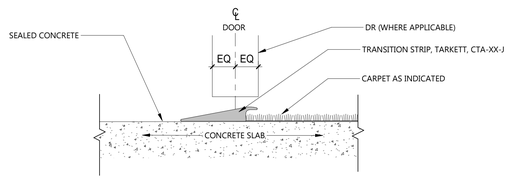
9 A901 DETAIL - CERAMIC WALL TILE TO CERAMIC FLOOR TILE

3" = 1'-0"



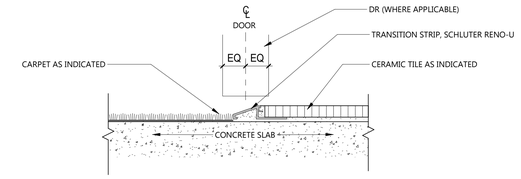
6 A901 TS-4 RESILIENT FLOORING TO CARPET -JOHNSONITE

6" = 1'-0"



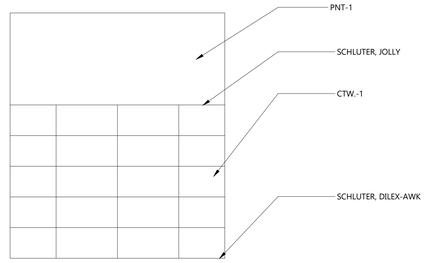
4 A901 TS-2 CARPET TO CONCRETE FLOORING

6" = 1'-0"



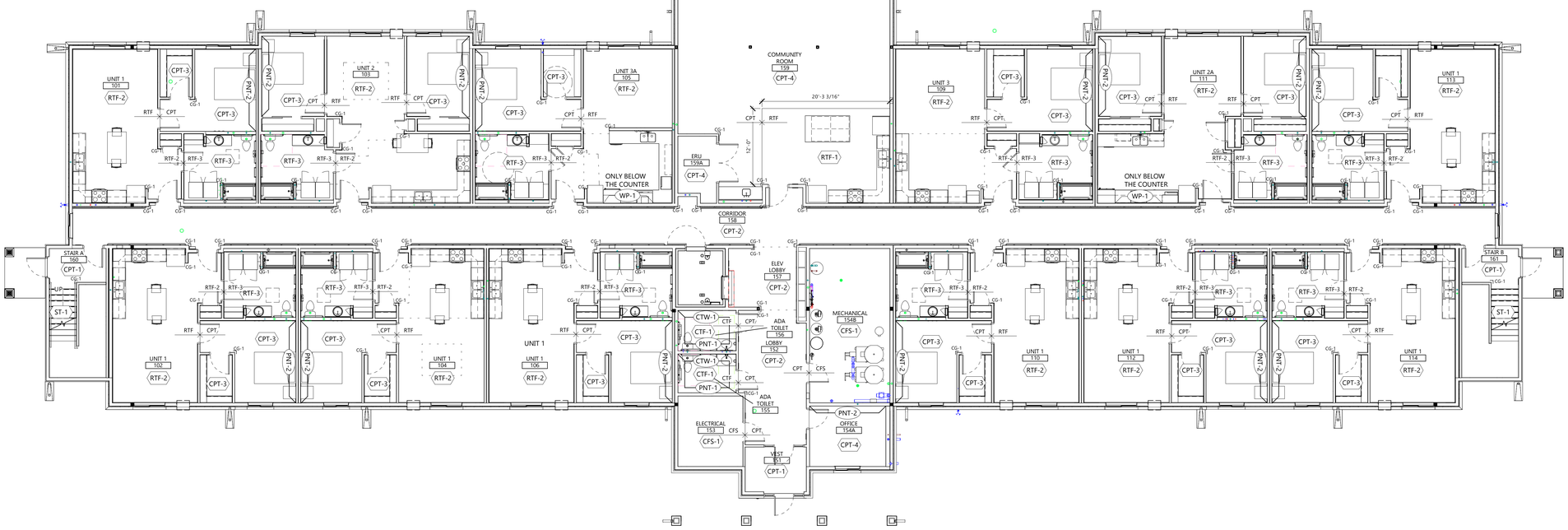
3 A901 TS-1 CARPET TO CERAMIC TILE - SCHLUTER RENO-U

6" = 1'-0"



8 A901 TYPICAL CERAMIC TILE WALL INSTALL

1/2" = 1'-0"



1 A901 FIRST FLOOR FINISH PLAN - BUFFALO MANOR

1/8" = 1'-0"

N

09 0000 MATERIAL IDENTIFICATION CODES

06 8316	FRP	FIBERGLASS REINFORCED PANELING
	FRP-1	MARLITE, STANDARD FRP, TBD
09 3013	CTW, CTF	CERAMIC TILING
	CTW-1	AMERICAN OLEAN, THEORETICAL EVOLVED, BALANCED BEIGE, TEB2, 12"X24"
	CTF-1	SHAW CONTRACT, LUNAR MANTLE, INK 00550, 24"X24",
09 5113	ACT	ACOUSTICAL PANEL CEILINGS
	ACT-1	ARMSTRONG, DUNE 1775, 24"X24"X5/8", 9/16" BEVELED TEGULAR, SUSPENSION: ARMSTRONG, SUPRAFINE, 9/16"
09 6513	RB, TS	RESILIENT BASE AND ACCESSORIES
	TS-1	TERSATRIM, SLT-127758, SLIM TRIM, ECRU, 466-104
	TS-2	RTF-2 TO RTF-3
	TS-3	CTF TO CPT
	TS-4	RSF TO CPT
	ST-1	TARKETT, JOHNSONITE, ANGLE FIT RUBBER STAIR TREADS,
09 6516	RSF	RESILIENT SHEET FLOORING
	RSF-1	MANNINGTON COMMERCIAL, ASSURANCE III, INTEGRAL BASE UP THE WALL 6" WHERE THIS FLOOR IS BEING USE
09 6519	RTF	RESILIENT TILE FLOORING
	RTF-1	J&J FLOORING GROUP, STIR V5060, COMBINATION 1197,
	RTF-2	AVA BY NOVALIS, 2SPRK, FRONT STOOP 2SP031 18"X18"
09 6813	CPT	CARPET TILING
	CPT-1	J&J FLOORING GROUP, INCOGNITO 7069, INTELLIGENCE 1841, 24"X24", INSTALLED: ASHLAR
	CPT-2	J&J FLOORING GROUP, WELL VERSED II 7072, FROST 2022, 24"X24", INSTALLED: ASHLAR
	CPT-3	J&J FLOORING GROUP, BOUCLE II 7081, TEXTURED 2703, 12"X48", INSTALLED: ASHLAR
	CPT-4	J&J FLOORING GROUP, BOUCLE II 7081, STRAND 2706, 12"X48", INSTALLED: ASHLAR
09 9123	PNT	INTERIOR/EXTERIOR PAINTING
	PNT-1	SHERWIN WILLIAMS, DRIFT OF MIST SW 9166
	PNT-2	SHERWIN WILLIAMS, REQUISITE GRAY SW 7023
10 2600	CG	WALL AND DOOR PROTECTION
	CG-1	INPRO, TAPE-ON CORNER GUARDS, 1.5" WING, 4' HIGH, TBD
	HR-1	INPRO, 800 HANDRAIL, WOODGRAIN, TBD
12 3530	WD	RESIDENTIAL CASEWORK
	WD-1	SMART CABINETRY, STANDARD OVERLAY, BRIGHTON, MAPLE
12 2116	WT	VERTICAL LOUVER BLINDS
	WT-1	HUNTER DOUGLAS, SOMNER VERTICAL BLINDS, TRENT, TBD
12 3623.13	PLAM	PLASTIC-LAMINATE-CLAD COUNTERTOPS
	PLAM-1	WILSONART, BEACHWALK 5044-60
12 3661.16	SSF	SOLID SURFACE FABRICATION
	SSF-1	FORMICA, LIMED CONCRETE 608
	SSF-2	FORMICA, VANITY BOWL 1612, TBD

GENERAL FINISH NOTES

1. REFER TO FINISH PLANS AND ROOM ELEVATIONS FOR ADDITIONAL FINISH LOCATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALLOWING FOR DELIVERY LEAD TIMES FOR ALL FINISHES SPECIFIED WITHIN THE CONSTRUCTION SCHEDULE. ALL DELIVERY TIMES MUST BE CONFIRMED, AND ANY EXCESSIVE LEAD TIME MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY TO ALLOW FOR RE-SPECIFICATION IF NECESSARY.
3. WHERE TRANSITION OF DISSIMILAR FLOORING MATERIALS OCCUR, THEY SHALL BE LOCATED DIRECTLY UNDER THE CENTER LINE OF DOOR OPENINGS UNO.
4. ALL CRACKS, HOLES, IMPERFECTIONS IN EXISTING WALLS, PARTITIONS OR GYP BOARD SHALL BE FILLED WITH PATCHING PLASTER AND SMOOTHED OFF TO MATCH ADJOINING SURFACES.
5. ALL SEALANTS TO MATCH SURFACE IN WHICH THEY OCCUR.
6. PAINT ALL MISCELLANEOUS ITEMS SCHEDULED TO BE PAINTED, PAINT TO MATCH THE SURFACE IN WHICH THEY OCCUR.
7. ALL EXPOSED MECHANICAL AND ELECTRICAL ITEMS SCHEDULED TO BE PAINTED SHALL BE PAINTED TO MATCH ADJACENT FINISHES.
8. PROVIDE SCHLUTER TRS-X CERAMIC TILE COVED BASE TRIM, SCHLUTER: EBHK U7/07 BRUSHED STAINLESS (WITH IN SIDE AND OUTSIDE CORNER TRIMS) AT ALL CTF TO CTW APPLICATIONS, UNO.
9. UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPLATTERED ON EXPOSED SURFACES.
10. EXAMINE ALL FINISH SURFACES AFTER COMPLETION OF WORK AND PROCEED WITH "TOUCH-UP" AS REQUIRED.
11. UNDERSIDE OF SOFFITS (WHERE OCCURS) TO RECEIVE A FINISH TO MATCH THE ADJACENT SOFFIT VERTICAL FINISH, UNO.
12. PAINT CEILING ACCESS PANELS WHERE THEY OCCUR TO MATCH ADJACENT CEILING FINISH.
13. STAINED AND PAINTED SURFACES SHALL BE FINISHED SUCH THAT JOINTS AR NOT VISIBLE WHEN VIEWED FROM ANY ANGLE AS DETERMINED BY THE ARCHITECT.
14. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS/TYPES OF PLASTIC LAMINATE AND SOLID SURFACE MATERIALS.
15. ALL WALLS TO RECEIVE WOOD BASE, UNO.
16. ALL GYP BOARD CEILINGS AND SOFFITS TO BE PNT-1, UNO.
17. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS (CG-1), UNO.
18. ALL COVER PLATES, SWITCHES, OUTLETS, RECEPTACLES AND DEVICES TO BE WHITE, UNO.
19. HOLLOW METAL DOORS AND HOLLOW METAL FRAMES SHALL BE PAINTED (XX-X) WHERE NEW WORK IS INDICATED.
20. PROVIDE INTEGRAL COVED BASE (6" HEIGHT) AS INDICATED IN THE ROOMS THAT RECEIVE RSF.
21. PROVIDE FIBERGLASS REINFORCED PANELS (FRP-1) 48" HEIGHT WHERE OTHER ROOMS AS INDICATED IN THE ELEVATIONS AND THE WALL FINISH PLANS.
22. PROVIDE WINDOW TREATMENTS AT ALL EXTERIOR WINDOWS WITH WT-1.

FINISH LEGEND

- PT-X — WALL FINISH SYMBOL
- CT-X — FLOOR FINISH SYMBOL
- EXG — EXISTING FLOOR FINISH TO REMAIN
- CORNER GUARD

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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: BRJ
CHECKED BY: SS

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Signature:
Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
FIRST FLOOR FINISH PLAN

A901

Revit Version:
Plot Date: 5/11/2026 8:41:53 AM

FINISH LEGEND

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- CT-X — FLOOR FINISH SYMBOL
- EXG — EXISTING FLOOR FINISH TO REMAIN
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GENERAL FINISH NOTES

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9. UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPLATTERED ON EXPOSED SURFACES.
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20. PROVIDE INTEGRAL COVED BASE (6" HEIGHT) AS INDICATED IN THE ROOMS THAT RECEIVE RSF.
21. PROVIDE FIBERGLASS REINFORCED PANELS (FRP-1) 48" HEIGHT WHERE OTHER ROOMS AS INDICATED IN THE ELEVATIONS AND THE WALL FINISH PLANS.
22. PROVIDE WINDOW TREATMENTS AT ALL EXTERIOR WINDOWS WITH WT-1.

1 A902 — SECOND FLOOR FINISH PLAN - BUFFALO MANOR

1/8" = 1'-0"

N

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CONSULTANTS

CLIENT

BEYOND SHELTER, INC.

PROJECT DESCRIPTION

BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN

STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211

DRAWN BY: BRJ

CHECKED BY: SS

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Signature:

Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE

SECOND FLOOR FINISH PLAN

A902

Revit Version:
Print Date: 5/11/2026 8:41:19 AM

FINISH LEGEND

- PT-X — WALL FINISH SYMBOL
- CT-X — FLOOR FINISH SYMBOL
- EXG — EXISTING FLOOR FINISH TO REMAIN
- CORNER GUARD

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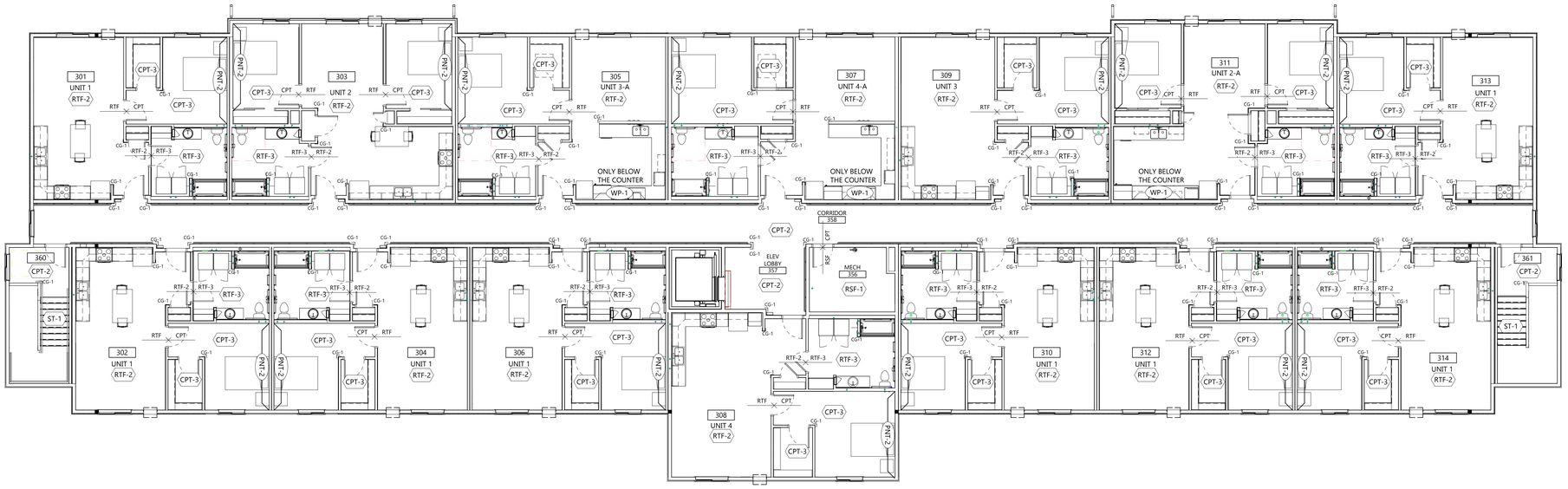

1 / A903 THIRD FLOOR FINISH PLAN - BUFFALO MANOR

1/8" = 1'-0"

N

Revit Version:
Plot Date: 5/11/2026 4:42:15 AM

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CONSULTANTS

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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Signature:

Date: 05-11-2026 REG. NO. : 1565

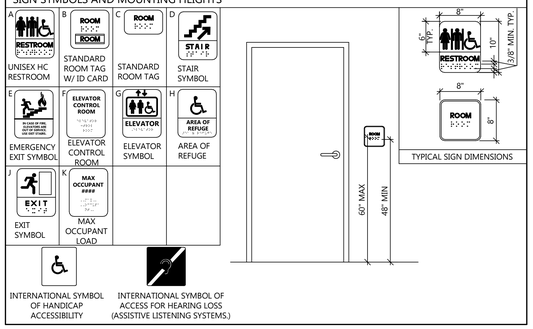
DRAWING TITLE
THIRD FLOOR FINISH PLAN

A903

SIGN MESSAGE SCHEDULE

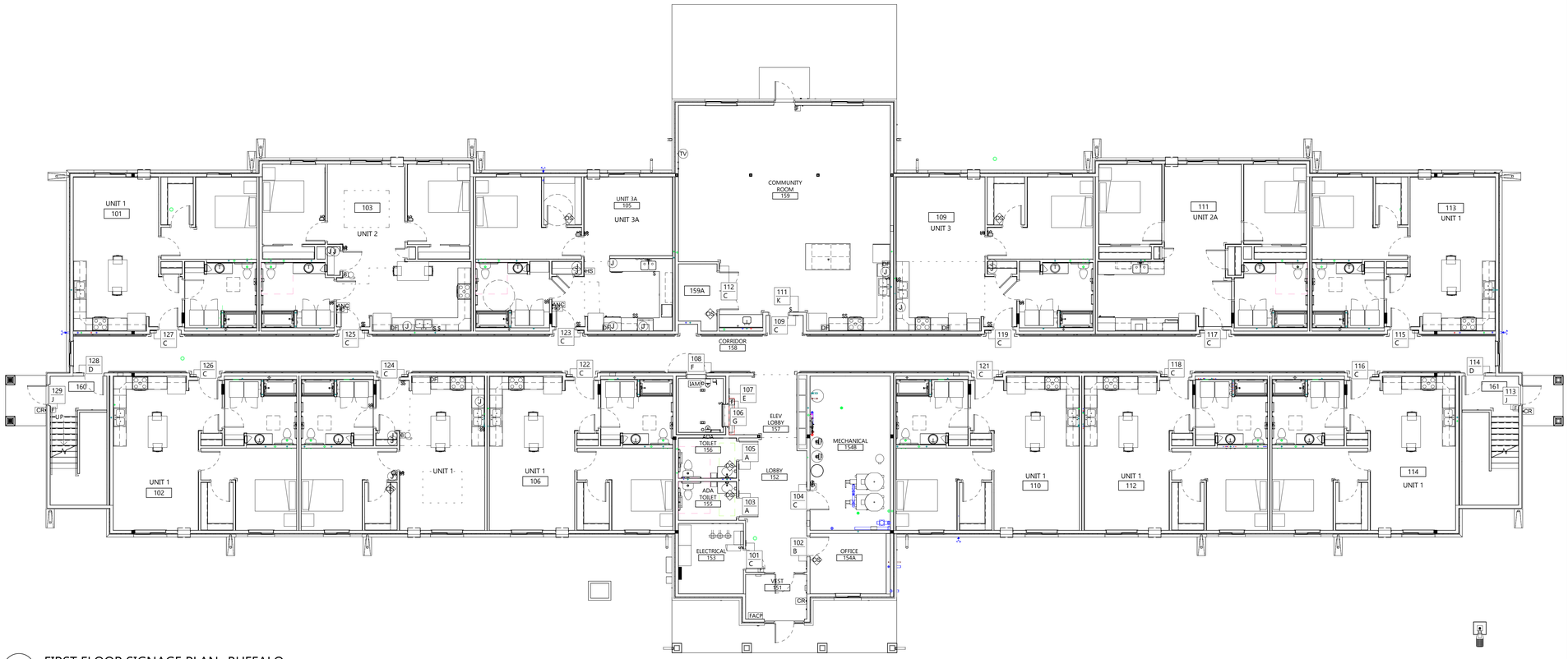
SIGN NUMNBER	SIGN TYPE	ROOM NUMBER	ROOM NAME	QUANTITY	SIGN MESSAGE NUMBER	SIGN MESSAGE NAME
101	C	153	ELECTRICAL	1		ELECTRICAL
102	B	154A	OFFICE	1		OFFICE
103	A	155	ADA TOILET	1		RESTROOM
104	C	154B	MECHANICAL	1		MECHANICAL
105	A	156	ADA TOILET	1		RESTROOM
106	G	ELEV	ELEVATOR	1		ELEVATOR
107	E	ELEV	ELEVATOR	1		
108	F	ELEV	ELEVATOR	1		ELEVATOR EQUIPMENT
109	C	159	COMMUNITY ROOM	1		COMMUNITY ROOM
111	K	158	CORRIDOR	1		OCCUPANCY LOAD
112	C	159A	ERU	1		STORAGE
113	J			1		EXIT
114	D	161	STAIR B	1		STAIRS
115	C	113	UNIT 1	1	113	
116	C	114	UNIT 1	1	114	
117	C	111	UNIT 2A	1	111	
118	C	112	UNIT 1	1	112	
119	C	266	ENTRY	1	109	
121	C	110	UNIT 1	1	110	
122	C	106	UNIT 1	1	106	
123	C	326	ENTRY	1	105	
124	C	123	ENTRY	1	104	
125	C	119	KITCHEN/DINING	1	103	
126	C	102	UNIT 1	1	102	
127	C	101	UNIT 1	1	101	
128	D	160	STAIR A	1		STAIRS
129	J			1		EXIT

SIGN SYMBOLS AND MOUNTING HEIGHTS



GENERAL SIGNAGE NOTES

1. GC TO COORDINATE BACKING REQUIREMENTS WITH SUBCONTRACTOR.
2. THE SIGNAGE VENDOR SHALL COORDINATE WITH THE ARCHITECT FOR FINAL SIGNAGE MESSAGING, FINAL MOUNTING LOCATIONS, AND ANY REVISIONS TO THE SIGNAGE LOCATIONS AND TYPES.
3. FINAL SIGNAGE DRAWINGS AND SCHEDULE SHALL BE PROVIDED BY THE SIGNAGE VENDOR AND ARE SUBJECT TO APPROVAL BY OWNER.
4. ALL SIGNAGE IDNTIFYING PERMANENT ROOMS SHALL COMPLY WITH 2010 STANDARD FOR ACCESSIBLE DESIGN.
5. ALL SIGNS TO BE MOUNTED ON LATCH SIDE OF DOOR. IF NO SPACE EXISTS ON LATCH SIDE, MOUNT SIGN TO THE NEARES ADJACENT WALL. SIGNS TO BE 2" FROM DOOR FRAME.
6. PROVIDE GLASS BACKER PLATE TO BACK SIDE OF GLAZING ON ALL SIGNS MOUNTED TO GLASS, UNO.
7. GC TO COORDINATE ELECTRIFIED SIGN REQUIREMENTS WITH ELECTRICAL SUBCONTRACTOR.
8. ALL SIGNAGE SHOULD USE GRADE 2 BRAILLE ON SIGNAGE SHOULD BE MAINTAINED THROUGHOUT THE BUILDING.



2 A931 FIRST FLOOR SIGNAGE PLAN- BUFFALO

1/8" = 1'-0"

Revit Version:
Plot Date: 5/11/2026 8:42:11 AM

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112 No.Roberts Street, Suite 300, Fargo ND 58102
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CONSULTANTS

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: BRJ
CHECKED BY: SS

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Signature:

Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
SIGNAGE PLAN AND SCHEDULE

A931

SIGN MESSAGE SCHEDULE

SIGN NUMNBER	SIGN TYPE	ROOM NUMBER	ROOM NAME	QUANTITY	SIGN MESSAGE NUMBER	SIGN MESSAGE NAME
201	A	256	TOILET	1		
202	G	ELEV	ELEVATOR	1		
203	E	ELEV	ELEVATOR	1		
204	C	254	ACTIVITY	1		
205	B	253	OFFICE	1		
206	D	261	STAIR B	1		
207	C	213	UNIT 1	1		
208	C	214	UNIT 1	1		
209	C	211	UNIT 2A	1		
210	J	258	CORRIDOR	1		
211	C	212	UNIT 1	1		
212	C	209	UNIT 3	1		
213	C	210	UNIT 1	1		
214	C	207	UNIT 4A	1		
215	C	252	MECH	1		
216	C	278	LIVING	1		
217	C	206	UNIT 1	1		
218	C	204	UNIT 1	1		
219	C	203	UNIT 2	1		
221	C	202	UNIT 1	1		
222	C	201	UNIT 1	1		
223	D	260	STAIR A	1		

GENERAL SIGNAGE NOTES

1. GC TO COORDINATE BACKING REQUIREMENTS WITH SUBCONTRACTOR.
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1 A932 SECOND FLOOR SIGNAGE PLAN - BUFFALO MANOR

1/8" = 1'-0"

N

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Interior Design | Industrial

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CONSULTANTS

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DRAWING TITLE

SIGNAGE PLAN AND SCHEDULE

A932

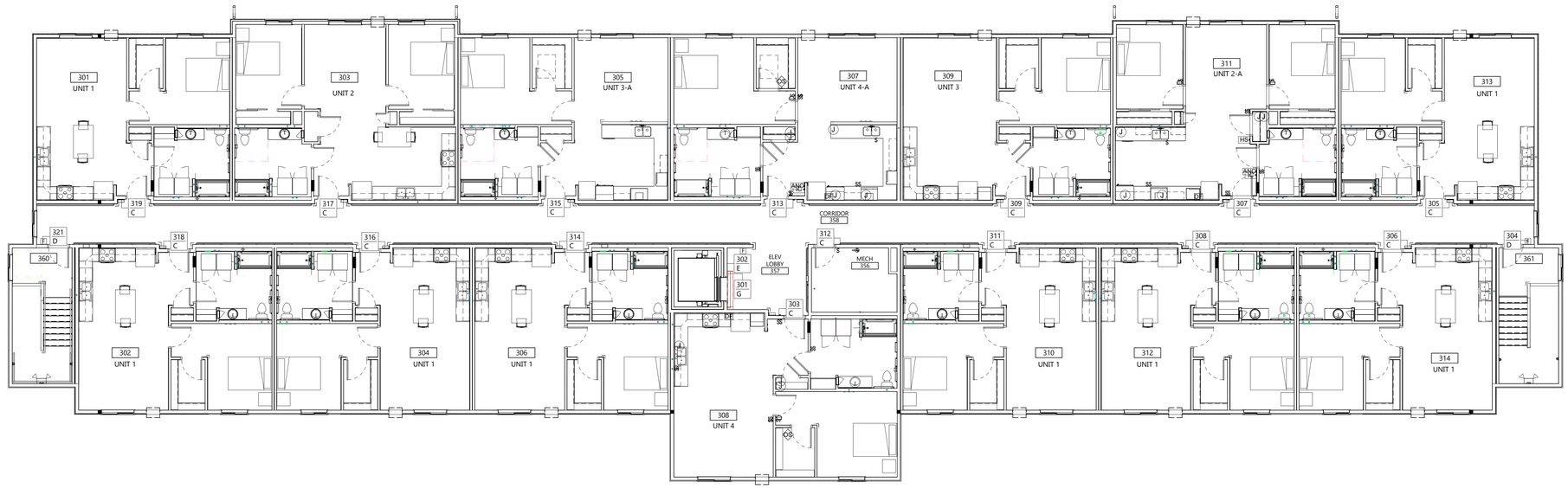
Revit Version:
Plot Date: 5/11/2026 8:42:17 AM

SIGN MESSAGE SCHEDULE

SIGN NUMNBER	SIGN TYPE	ROOM NUMBER	ROOM NAME	QUANTITY	SIGN MESSAGE NUMBER	SIGN MESSAGE NAME
301	G	ELEV	ELEVATOR	1		
302	E	ELEV	ELEVATOR	1		
303	C	277	ENTRY	1		
304	D	361	STAIR B	1		
305	C	313	UNIT 1	1		
306	C	314	UNIT 1	1		
307	C	334	KITCHEN/DINING	1		
308	C	312	UNIT 1	1		
309	C	309	UNIT 3	1		
311	C	310	UNIT 1	1		
312	C	356	MECH	1		
313	C	322	ENTRY	1		
314	C	306	UNIT 1	1		
315	C	286	LIVING	1		
316	C	304	UNIT 1	1		
317	C	303	UNIT 2	1		
318	C	302	UNIT 1	1		
319	C	301	UNIT 1	1		
321	D	360	STAIR A	1		

GENERAL SIGNAGE NOTES

1. GC TO COORDINATE BACKING REQUIREMENTS WITH SUBCONTRACTOR.
2. THE SIGNAGE VENDOR SHALL COORDINATE WITH THE ARCHITECT FOR FINAL SIGNAGE MESSAGING, FINAL MOUNTING LOCATIONS, AND ANY REVISIONS TO THE SIGNAGE LOCATIONS AND TYPES.
3. FINAL SIGNAGE DRAWINGS AND SCHEDULE SHALL BE PROVIDED BY THE SIGNAGE VENDOR AND ARE SUBJECT TO APPROVAL BY OWNER.
4. ALL SIGNAGE IDNTIFYING PERMANENT ROOMS SHALL COMPLY WITH 2010 STANDARD FOR ACCESSIBLE DESIGN.
5. ALL SIGNS TO BE MOUNTED ON LATCH SIDE OF DOOR. IF NO SPACE EXISTS ON LATCH SIDE, MOUNT SIGN TO THE NEARES ADJACENT WALL. SIGNS TO BE 2" FROM DOOR FRAME.
6. PROVIDE GLASS BACKER PLATE TO BACK SIDE OF GLAZING ON ALL SIGNS MOUNTED TO GLASS, UNO.
7. GC TO COORDINATE ELECTRIFIED SIGN REQUIREMENTS WITH ELECTRICAL SUBCONTRACTOR.
8. ALL SIGNAGE SHOULD USE GRADE 2 BRAILLE ON SIGNAGE SHOULD BE MAINTAINED THROUGHOUT THE BUILDING.



1 / A933 THIRD FLOOR SIGNAGE PLAN - BUFFALO MANOR

1/8" = 1'-0"

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CONSULTANTS

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: BRJ
CHECKED BY: SS

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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 Registered Architect under the laws of the State of North Dakota.

Signature:

Date: 05-11-2026 REG. NO. 1565

DRAWING TITLE
SIGNAGE PLAN AND SCHEDULE

A933

ABBREVIATIONS

A	
A/C	AIR CONDITIONING UNIT
AHU	AIR HANDLING UNIT
AFF	ABOVE FINISHED FLOOR
ACCU	AIR COOLED CONDENSING UNIT
B	
BV	BALANCING VALVE
BTU	BRITISH THERMAL UNIT
BOP	BOTTOM OF PIPE
BHP	BRAKE HORSEPOWER
BDD	BACK DRAFT DAMPER
C	
CFM	CUBIC FEET PER MINUTE
CD	CEILING DIFFUSER OR CONDENSATE DRAIN
CC	COOLING COIL
CW	COLD WATER
CT	COOLING TOWER
CP	CONDENSATE PUMP OR CIRCULATING PUMP
CONV	CONVECTOR
CONT	CONTINUATION
CO	CLEANOUT
CLG	COOLING
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CUH	CABINET HEATER
CO2	CARBON DIOXIDE
D	
DX	DIRECT EXPANSION
DWG	DRAWING
DR	DRAIN
DN	DOWN
DIA Ø	DIAMETER
DB	DRY BULB
DI	DEIONIZED WATER
DS	DOWNSPOUT NOZZLE
DA	DENTAL AIR
DVAC	DENTAL VACUUM
DVEX	DENTAL VACUUM EXHAUST
E	
EA	EXHAUST AIR
EX	EXISTING
EWT	ENTERING WATER TEMPERATURE
EWB	ENTERING WET BULB
EUH	ELECTRIC UNIT HEATER
ET	EXPANSION TANK
EHC	ELECTRIC HEATING COIL
EFF	EFFICIENCY
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
EDB	ENTERING DRY BULB
ECH	ELECTRIC CABINET HEATER
EAT	ENTERING AIR TEMPERATURE
EEW	EMERGENCY EYE WASH
ESH	EMERGENCY SHOWER
ESEW	EMERGENCY SHOWER/EYE WASH
F	
FDC	FIRE DEPARTMENT CONNECTION
FD	FLOOR DRAIN OR FIRE DAMPER
FC	FLEXIBLE CONNECTION
°F	DEGREES FAHRENHEIT
FU	FIXTURE UNIT
FTR	FIN TUBE RADIATION
FT	FEET
F/S	COMBINATION FIRE AND SMOKE DAMPER
FS	FLOW SWITCH OR FLOOR SINK
FP	FUEL OIL PUMP OR FIRE PUMP
FOV	FUEL OIL VENT PIPING
FOS	FUEL OIL SUPPLY PIPING
FOR	FUEL OIL RETURN PIPING
FLR	FLOOR
FLA	FULL LOAD AMPERES
G	
GAL	GALLONS
G	NATURAL GAS OR PROPANE GAS
GV	GATE VALVE
GPM	GALLONS PER MINUTE
H	
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HC	HEATING COIL
HP	HORSEPOWER
HX	HEAT EXCHANGER
I	
IN	INCHES
ID	INSIDE DIMENSION
IA	INSTRUMENT AIR

ABBREVIATIONS

J	
JP	JOCKEY PUMP
L	
LWT	LEAVING WATER TEMPERATURE
LVR	LOUVER
LBS	POUNDS
LAT	LEAVING AIR TEMPERATURE
L	LAVATORY
LA	LAB AIR
M	
MAU	MAKE UP AIR UNIT
MS	MOP SINK
MOD	MOTOR OPERATED DAMPER
MIN	MINIMUM
MCC	MOTOR CONTROL CENTER
MBH	THOUSAND BTU PER HOUR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MA	MEDICAL AIR
MA IN	MEDICAL AIR INTAKE
MB	MOP BASIN
MCA	MINIMUM CIRCUIT AMPACITY
MOP	MAXIMUM OVERCURRENT PROTECTION
N	
NTS	NOT TO SCALE
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
N2O	NITROUS OXIDE
N	NITROGEN
O	
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
ORL	OVERFLOW RAIN LEADER PIPING
OD	OUTSIDE DIMENSION
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
OX	OXYGEN
ORD	OVERFLOW ROOF DRAIN
P	
PSIG	POUNDS PER SQUARE INCH (GAUGE)
PSI	POUNDS PER SQUARE INCH
PRV	PRESSURE REDUCING VALVE OR POWER ROOF VENT
PHC	PREHEAT COIL
PG	PRESSURE GAUGE
PD	PRESSURE DROP OR PUMP DISCHARGE
P	PUMP
POT	POTABLE WATER
R	
RHW	RECIRCULATING HOT WATER
RTU	ROOF TOP UNIT
RPM	REVOLUTIONS PER MINUTE
RAF	RETURN AIR FAN OR RELIEF AIR FAN
RD	ROOF DRAIN
RA	RETURN AIR
RO	REVERSE OSMOSIS WATER
RL	RAIN LEADER
S	
SPKR	SPRINKLER
SP	STATIC PRESSURE OR SUMP PUMP
SF	SUPPLY FAN OR SQUARE FEET
SENS	SENSIBLE
SEP	SEWAGE EJECTOR PUMP
SD	SMOKE DAMPER OR SMOKE DETECTOR
SA	SUPPLY AIR
S	SINK
SS	SERVICE SINK
T	
TYP	TYPICAL
TOP	TOP OF PIPE
TC	TERMINAL COIL
U	
U	URINAL
UH	UNIT HEATER
V	
VTR	VENT THRU ROOF
VD	VOLUME DAMPER
VAV	VARIABLE AIR VOLUME TERMINAL UNIT
VFD	VARIABLE FREQUENCY DRIVE
V	VENT
VAC	MEDICAL VACUUM
V EX	VACUUM EXHAUST
W	
WHY	WALL HYDRANT
WC	WATER CLOSET
WB	WET BULB
W	SANITARY WASTE
WAGD	WASTE ANESTHESIA GAS DISPOSAL
WH	WATER HEATER

LEGEND

18"x12"	DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
18"Ø	ROUND DUCT DIAMETER SIZE
18"x12"Ø	OVAL DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
	FLEXIBLE DUCT
	BALANCING DAMPER (VD) VOLUME DAMPER IN DUCT (BDD) BACK DRAFT DAMPER
F/S RD FD SD	(F/S) COMBINATION FIRE SMOKE DAMPER (RD) RADIATION DAMPER, (FD) FIRE DAMPER (SD) SMOKE DAMPER
	ELBOW WITH TURNING VANES
	BRANCH TAKEOFF WITH VOLUME DAMPER
	RADIUS ELBOW
	SLOT DIFFUSER
ACCESS AREA	TERMINAL UNIT WITH HEATING COIL
	SUPPLY CEILING DIFFUSER
	RETURN REGISTER OR GRILLE
	EXHAUST REGISTER OR GRILLE
RECTANGULAR SUPPLY DUCT UP / RECTANGULAR SUPPLY DUCT DOWN	SUPPLY AIR DUCT
ROUND SUPPLY DUCT UP / ROUND SUPPLY DUCT DOWN	
RECTANGULAR RETURN DUCT UP / RECTANGULAR RETURN DUCT DOWN	RETURN AIR DUCT
ROUND RETURN DUCT UP / ROUND RETURN DUCT DOWN	
RECTANGULAR EXHAUST DUCT UP / RECTANGULAR EXHAUST DUCT DOWN	EXHAUST AIR DUCT
ROUND EXHAUST DUCT UP / ROUND EXHAUST DUCT DOWN	
RECTANGULAR OUTSIDE AIR DUCT UP / RECTANGULAR OUTSIDE AIR DUCT DOWN	OUTSIDE AIR DUCT
ROUND OUTSIDE AIR DUCT UP / ROUND OUTSIDE AIR DUCT DOWN	
T2	THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
H	HUMIDISTAT

LEGEND

	RELIEF VALVE
	ARROW INDICATES DIRECTION OF FLOW
	AIR VENT
	AUTOMATIC 2-WAY CONTROL VALVE
	AUTOMATIC 3-WAY CONTROL VALVE
	AUTOMATIC FLOW CONTROL VALVE
	BACK FLOW PREVENTER-RPZ
	BALANCING VALVE
	BALL VALVE
	BOTTOM PIPE CONNECTION
	BUTTERFLY VALVE
	CAPPED PIPE WITH SHUT-OFF VALVE
	CHECK VALVE, FLOW DIRECTION
	CONCENTRIC REDUCER
	DIRT POCKET
	EXTERIOR WALL HYDRANT, FROST FREE
	FLOOR CLEANOUT/GRADE CLEANOUT
	FLOW MEASURING STATION
	GAS PRESSURE REGULATOR
	GATE VALVE
	GLOBE VALVE
	HOSE BIBB
	OS&Y (OUTSIDE SCREW & YOKE) VALVE
	PIPE ANCHOR
	PIPE DOWN
	PIPE EXPANSION JOINT
	PIPE GUIDE
	PIPE UP
	PIPING FLEXIBLE CONNECTION
P	PRESSURE GAUGE AND GAUGE COCK
	PRESSURE REDUCING VALVE (PRV)
	PUMP
	SHOCK ABSORBER/WATER HAMMER ARRESTOR
	SLEEVE
	SOLENOID VALVE
	STEAM TRAP
T	TEMPERATURE SENSOR
	THERMOMETER
	TOP PIPE CONNECTION
	UNION
	VACUUM BREAKER
	WALL CLEANOUT
	"Y" TYPE STRAINER
	"Y" TYPE STRAINER WITH HOSE END BLOW OFF VALVE
	ZONE VALVE

LEGEND

A	COMPRESSED AIR LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER CIRCULATION
ORL	OVERFLOW RAIN LEADER PIPING
ORL	OVERFLOW RAIN LEADER PIPING (BELOW GRADE)
RL	RAIN LEADER PIPING
RL	RAIN LEADER PIPING (BELOW GRADE)
RO	REVERSE OSMOSIS WATER
DI	DEIONIZED WATER
	SANITARY WASTE, UNDERGROUND (AW - ACID WASTE UNDERGROUND)
	SANITARY WASTE, ABOVE GRADE (AW - ACID WASTE ABOVE GRADE)
	VENT PIPING (AV-ACID VENT)
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
COND	CONDENSATE DRAIN OR RETURN
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CTR	COOLING TOWER RETURN
CTS	COOLING TOWER SUPPLY
FOR	FUEL OIL RETURN PIPING
FOS	FUEL OIL SUPPLY PIPING
FOV	FUEL OIL VENT PIPING
HPR	HEAT PUMP RETURN
HPS	HEAT PUMP SUPPLY
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
HPC	HIGH PRESSURE CONDENSATE RETURN
G	NATURAL GAS PIPING
PC	PUMPED CONDENSATE RETURN
STM-HPR	STEAM HIGH PRESSURE RETURN
STM-HPS	STEAM HIGH PRESSURE SUPPLY
STM-MPS	MEDIUM PRESSURE STEAM
STM-LPS	STEAM LOW PRESSURE SUPPLY
WLR	WELLFIELD LOOP RETURN
WLS	WELLFIELD LOOP SUPPLY
L	REFRIGERANT PIPING LIQUID
S	REFRIGERANT PIPING SUCTION
BF	BOILER FEED

MEDICAL GAS

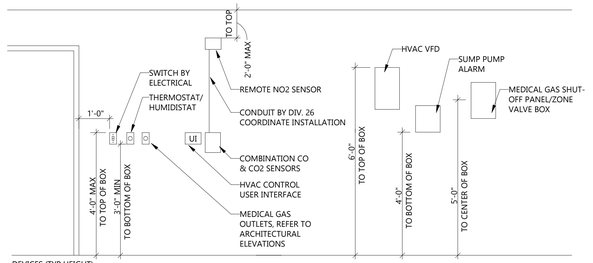
CO2	CARBON DIOXIDE
IA	INSTRUMENT AIR
MA	MEDICAL AIR
VAC	MEDICAL VACUUM
N	NITROGEN
N2O	NITROUS OXIDE
OX	OXYGEN
WAGD	WASTE ANESTHESIA GAS DISPOSAL
LA	LAB AIR
MA-IN	MEDICAL AIR INTAKE
V-EX	VACUUM EXHAUST
DA	DENTAL AIR
DVAC	DENTAL VACUUM

FIRE PROTECTION

	SPRINKLER HEAD - DRY PENDANT SPRINKLER
	SPRINKLER HEAD - CONCEALED PENDANT SPRINKLER
	SPRINKLER HEAD - PENDANT WITH GUARD
	SPRINKLER HEAD - UPRIGHT
	SPRINKLER HEAD - PENDANT SPRINKLER

SYMBOLS

EWC	ELECTRIC WATER COOLER
MB	MOP BASIN
L	LAVATORY
S	SINK
U	URINAL
WC	WATER CLOSET
FS FD	FLOOR SINK / FLOOR DRAIN
	HATCH INDICATES ITEM(S) TO BE REMOVED
	POINT OF CONNECTION (NEW TO EXISTING) POINT OF DEMOLITION
M3.1	DETAIL DESIGNATION — DETAIL NUMBER / DRAWING NUMBER
M3.1	SECTION DESIGNATION — SECTION NUMBER / DRAWING NUMBER
XX / XX	SHEET / CONSTRUCTION NOTE NUMBER
1	REVISION NUMBER
NO. S-1 100 2	S-SUPPLY, R-RETURN, E-EXHAUST, T-TRANSFER; CFM; QUANTITY IN ROOM OR HEIGHT AFF



1 FPM01 TYPICAL HVAC DEVICE MOUNTING HEIGHT

NOT TO SCALE

GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATION MANUAL ALONG WITH ANY APPLICABLE CODES AND STANDARDS. ALL REQUIREMENTS WITHIN THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICT BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION. OTHERWISE MECHANICAL CONTRACTOR SHALL ASSUME WORST CASE FOR COST OR DISRUPTION.
2. PLANS ARE FURNISHED IN COLOR, PLANS MAY NOT PRINT CORRECTLY IF PRINTED IN BLACK AND WHITE. CONTRACTOR TO REQUEST A BLACK AND WHITE PLAN SET IF THEY INTEND TO PRINT DRAWINGS IN BLACK AND WHITE.

FIRE PROTECTION, PLUMBING & MECHANICAL SHEET INDEX

FPM01 MECHANICAL SYMBOLS & LEGEND SHEET

FIRE PROTECTION
F201 FIRST FLOOR FIRE PROTECTION PLAN & DETAILS
F202 SECOND FLOOR FIRE PROTECTION PLAN
F203 THIRD FLOOR FIRE PROTECTION PLAN

PLUMBING
P200 UNDERGROUND PLUMBING & RADON PLANS
P201 FIRST FLOOR PLUMBING PLANS
P202 SECOND FLOOR PLUMBING PLAN
P203 THIRD FLOOR PLUMBING PLAN
P204 ROOF PLUMBING PLAN
P801 PLUMBING DETAILS & SCHEDULES

MECHANICAL
M201 FIRST FLOOR HYDRONICS PLAN
M202 SECOND FLOOR HYDRONICS PLAN
M203 THIRD FLOOR HYDRONICS PLAN
M301 FIRST FLOOR VENTILATION PLAN
M302 SECOND FLOOR VENTILATION PLAN
M303 THIRD FLOOR VENTILATION PLAN
M400 MECHANICAL ROOF PLAN
M501 MECHANICAL FLOW DIAGRAM
M601 MECHANICAL DETAILS
M801 MECHANICAL SCHEDULES

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PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
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PROJECT NO: 20245211
DRAWN BY: CBL
CHECKED BY: TC

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REGISTERED PROFESSIONAL ENGINEER
TYLER COULOMBE
PE-7492
DATE 05/11/2026
NORTH DAKOTA

DRAWING TITLE
MECHANICAL SYMBOLS & LEGEND SHEET

FPM01

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Plot Date: 5/11/2026 11:43:52 AM

KEYNOTE LEGEND:

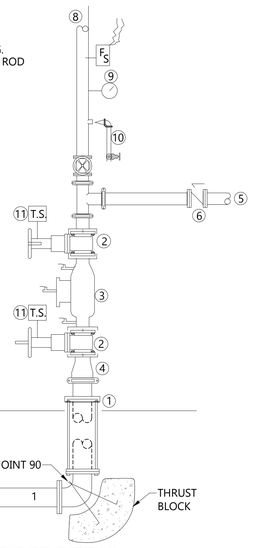
< < <	INDICATES KEYNOTE ON PLAN
OH 01	ORDINARY HAZARD GROUP 1.

GENERAL NOTES

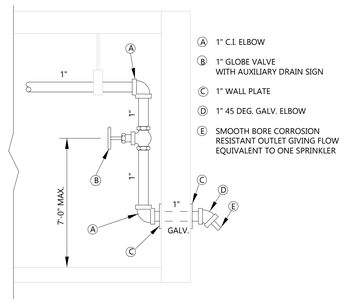
1. SPRINKLER SYSTEM SHALL BE NFPA 13R.
2. SPRINKLERS PENETRATING FIRE WALLS SHALL BE SEALED WITH FIRE CAULKING.
3. ONLY NEW SPRINKLERS SHALL BE EMPLOYED IN THE INSTALLATION OF THE SPRINKLER SYSTEM. SPRINKLER HEADS TO BE CENTERED IN CEILING TILE.
4. THE SYSTEM SHALL ONLY EMPLOY THE USE OF APPROVED MATERIALS AND DEVICES.
5. SPRINKLER PLANS SHALL BE APPROVED PRIOR TO THE INSTALLATION OF ANY PIPE. A SET OF APPROVED PLANS SHALL BE MAINTAINED AT ALL TIMES ON THE JOBSITE.
6. AN APPOINTMENT SHALL BE MADE A MINIMUM OF TWO WORKING DAYS IN ADVANCE WITH THE APPROPRIATE FIRE PREVENTION OFFICE FOR ALL INSPECTIONS AND TESTS.
7. ALL SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS OR AT 50 PSI ABOVE STATIC PRESSURE IN EXCESS OF 150 PSI.
8. FIRE DEPARTMENT CONNECTIONS SHALL BE VISIBLE, ACCESSIBLE, HAVE NST FEMALE OUTLETS, HAVE PROTECTIVE CAPS, AND AN APPROVED CHECK VALVE LOCATED IN THE MAIN LINE. (AS CLOSE TO THE FIRE DEPARTMENT CONNECTION AS POSSIBLE) FOR COMMERCIAL SYSTEMS ONLY.
9. ALL VALVES SHALL HAVE A PERMANENTLY AFFIXED SIGN INDICATING ITS FUNCTION.
10. A STOCK OF SPARE SPRINKLERS OF EACH STYLE, TYPE, AND TEMPERATURE RATING ALONG WITH A SPRINKLER WRENCH SHALL BE LOCATED AT THE SPRINKLER RISER.
11. ANY PORTION OF THIS SPRINKLER SYSTEM WHICH IS EXPOSED TO FREEZING SHALL BE ADEQUATELY PROTECTED AGAINST THIS EXPOSURE.
12. FITTINGS TO BE CAST IRON OR DUCTILE.
13. THREADS TO MEET ANSI/ASME STANDARDS.
14. ALL MATERIALS AND INSTALLATION TO CONFORM WITH NFPA #13 STANDARDS.
15. COORDINATE BETWEEN MECHANICAL AND ELECTRICAL LAYOUTS.
16. ADD SPRINKLERS UNDER ALL DUCTWORK OVER 48" WHEN STRUCTURE IS EXPOSED.
17. THE SPRINKLER CONTRACTOR WILL SUPPLY THE OWNER WITH THE NECESSARY INSTRUCTION MANUALS FOR THE UPKEEP OF THE SYSTEM.
18. SPRINKLER PLAN TO MEET ALL STATE AND LOCAL BUILDING CODES. A SET OF FIRE PROTECTION PLANS ARE TO BE SUBMITTED TO THE STATE FIRE MARSHALS OFFICE OR ANY OTHER GOVERNING BODIES FOR REVIEW. SPRINKLER PLANS NEED APPROVAL PRIOR TO INSTALLATION OF ANY PIPING.
19. SPRINKLER SYSTEM LAYOUT IS GENERAL & DIAGRAMMATIC. ADDITIONAL HEADS AND/OR PIPING NEEDED TO CONFORM WITH NFPA SHALL BE PROVIDED BY THE FIRE SPRINKLER CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER.
20. SPRINKLER PIPING
    A. SCHEDULE 40: ASTM A53, UL LISTED, FM APPROVED FOR 1" PIPING.
    B. SCHEDULE 10: ASTM A135, UL LISTED, FM APPROVED FOR PIPING 1 1/2" & LARGER.
20. ADD SIDEWALL SPRINKLER HEADS TO PROVIDE COVERAGE UNDER OPEN GARAGE DOORS AS REQUIRED.
21. ALL AREAS SHOWN SHALL BE PROTECTED AS LIGHT HAZARDS UNLESS OTHERWISE NOTED.
22. CONCEALED HEADS SHALL BE WHITE UNLESS ARCHITECTURAL CEILING IS WOOD OR DIFFERENT COLOR. PROVIDE CUSTOM COLOR HEADS IN THE AREAS WITH CUSTOM COLORS, REFER TO ARCHITECTURAL ROOM FINISH SCHEDULES. PHYSICAL COLOR SAMPLES REQUIRED WITH SUBMITTAL.

RISER NUMBERED NOTES:

1. 8" C900 U.G. PIPE TO M.J. ELL ROD U.G. PIPE TO M.J. ELL. W/ 3/4" ALL THREAD ROD
2. FLANGED GATE VALVE
3. AMES BACK FLOW PREVENTER
4. FLANGED REDUCER
5. 4" GROOVED 90 TO F.D.C.
6. GROOVE CHECK VALVE W/ BALL DRIP
7. FLOW SWITCH
8. 90 TO OVER HEAD SYSTEM
9. PRESSURE GAUGE
10. 2" DRAIN VALVE
11. TAMPER SWITCH
12. TO STANDPIPE

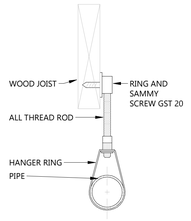


4 / F201 FIRE PROTECTION RISER DETAIL
NOT TO SCALE



- (A) 1" C.I. ELBOW
- (B) 1" GLOBE VALVE WITH AUXILIARY DRAIN SIGN
- (C) 1" WALL PLATE
- (D) 1" 45 DEG. GALV. ELBOW
- (E) SMOOTH BORE CORROSION RESISTANT OUTLET GIVING FLOW EQUIVALENT TO ONE SPRINKLER

3 / F201 INSPECTORS TEST FOR WET PIPE
NOT TO SCALE



2 / F201 HANGER DETAIL
NOT TO SCALE

1 / F201 FIRST FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"

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Interior Design | Industrial
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CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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TYLER COULOMBE
PE-7452
DATE 05/11/2026
NORTH DAKOTA

DRAWING TITLE
FIRST FLOOR FIRE PROTECTION PLAN & DETAILS

F201

Revit Version: 2026
Plot Date: 5/11/2026 11:47:36 AM

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

OH 01 ORDINARY HAZARD GROUP 1.

1 / F202 SECOND FLOOR FIRE PROTECTION PLAN

1/8" = 1'-0"

N

Revit Version: 2026
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PROJECT DESCRIPTION

BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN

STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211

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PE-7452
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NORTH DAKOTA

DRAWING TITLE

SECOND FLOOR FIRE PROTECTION PLAN

F202

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

OH 01 ORDINARY HAZARD GROUP 1.

1 / F203 THIRD FLOOR FIRE PROTECTION PLAN

1/8" = 1'-0"

N

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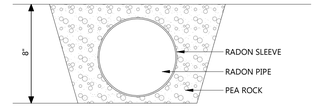
DRAWING TITLE
THIRD FLOOR FIRE PROTECTION PLAN

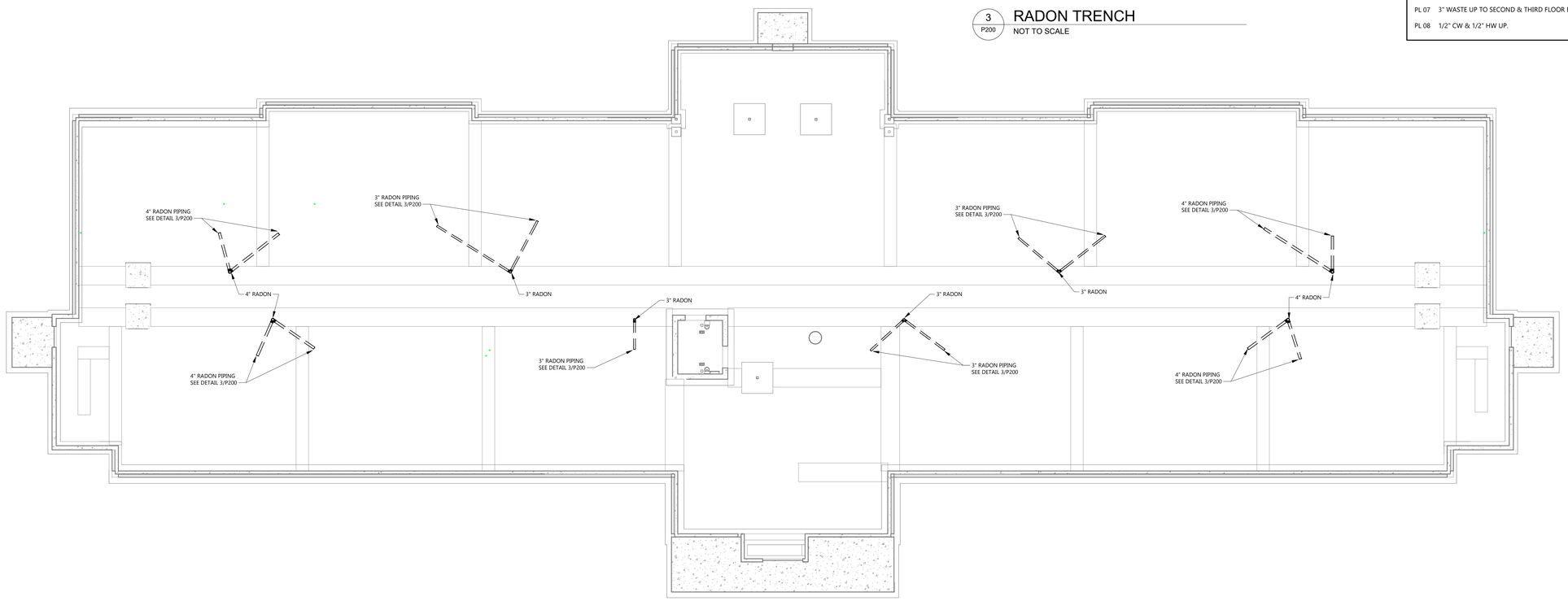
F203

Revit Version: 2026
Plot Date: 5/11/2026 11:47:15 AM

KEYNOTE LEGEND:	
	< < < INDICATES KEYNOTE ON PLAN
PL 01	2" WASTE UP.
PL 02	2" VENT UP.
PL 03	3" WASTE STACK UP.
PL 04	3" WASTE UP.
PL 05	2" WASTE STACK UP.
PL 06	4" WASTE UP TO CO.
PL 07	3" WASTE UP TO SECOND & THIRD FLOOR BATHROOM, #207 &#307.
PL 08	1/2" CW & 1/2" HW UP.

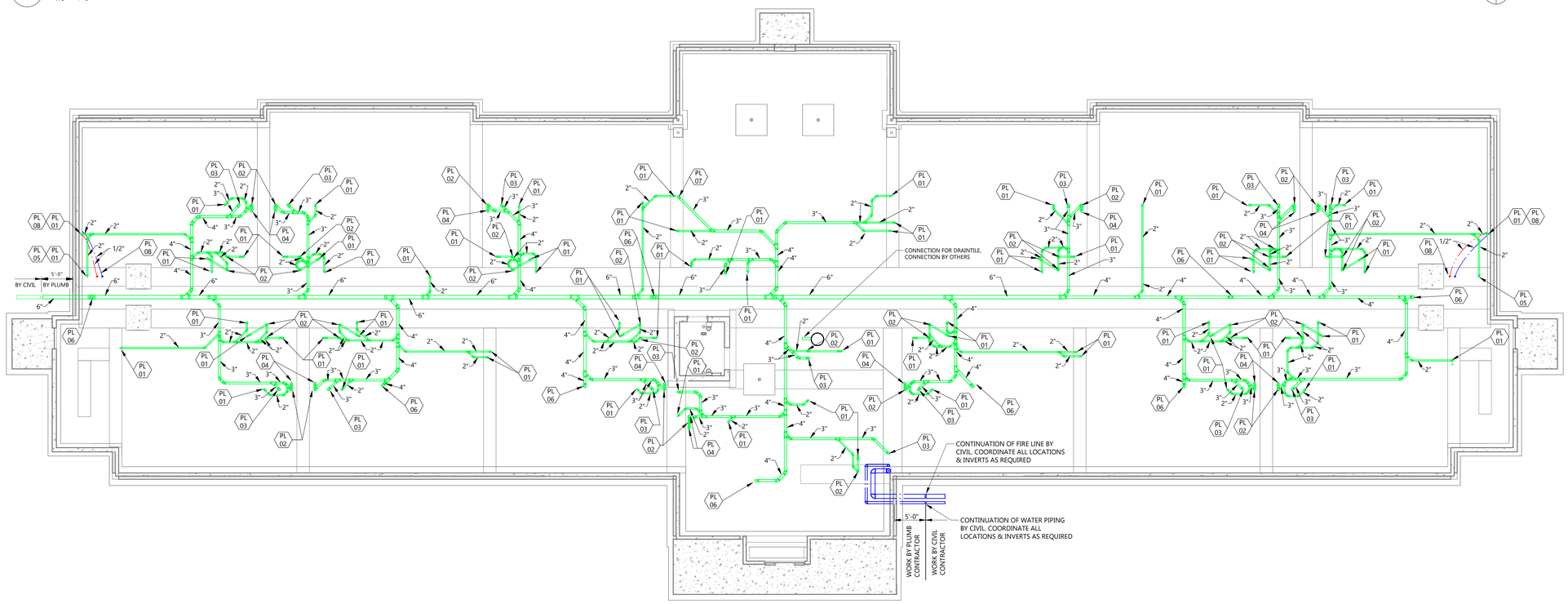


3 P200 RADON TRENCH
NOT TO SCALE



2 P200 UNDERGROUND RADON PLAN
1/8" = 1'-0"

N



1 P200 UNDERGROUND PLUMBING PLAN
1/8" = 1'-0"

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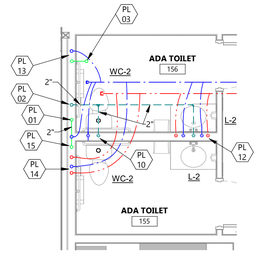
DRAWING TITLE
UNDERGROUND PLUMBING & RADON PLANS

P200

Revit Version: 2026
Plot Date: 5/11/2026 1:14:58 AM

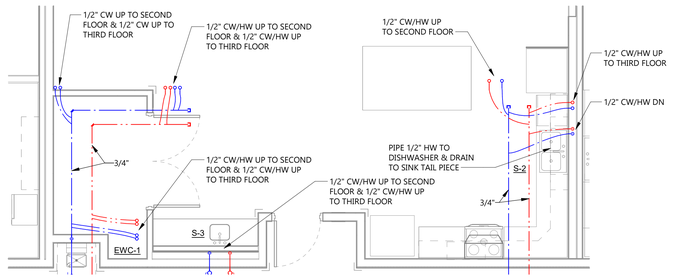


5 P201 ENLARGED PLUMBING PLANS 155 & 156
1/4" = 1'-0"

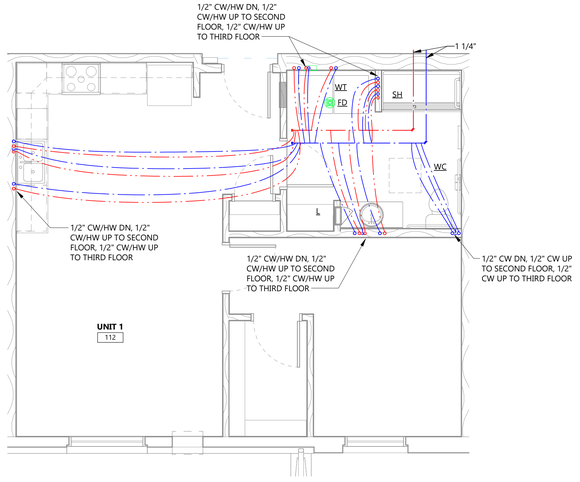
KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

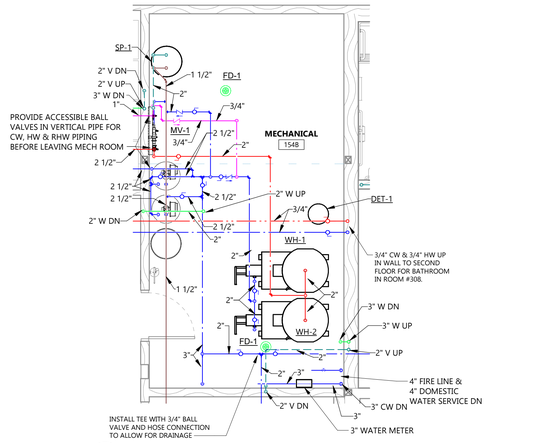
PL 01	2" WASTE UP.
PL 02	2" VENT UP.
PL 03	3" WASTE UP.
PL 04	3" WASTE UP TO THIRD FLOOR.
PL 05	3" WASTE DOWN.
PL 06	2" WASTE UP & DOWN.
PL 07	4" SCHEDULE 40 PVC RADON UP & DOWN.
PL 08	3" SCHEDULE 40 PVC RADON UP & DOWN.
PL 09	2" VENT UP, 3/4" CW & 3/4" HW UP.
PL 10	3/4" CW & 2" VENT DOWN.
PL 11	1" CW & 1" HW, PIPE TO MANIFOLD TO SERVE SECOND & THIRD FLOOR UNITS ABOVE. SEE 3/P201 SIMILAR.
PL 12	1/2 CW (2), 1/2" HW (2) & 2" VENT DN TO LAVS.
PL 13	1/2" CW & 2" VENT UP.
PL 14	1/2" CW & 1/2" HW UP TO SINK ROOM #308.
PL 15	1/2" CW, 1/2" HW & 2" WASTE UP.
PL 16	1/2" CW & 1/2" HW DOWN IN WALL TO BELOW FLOOR & 1/2" CW & 1/2" HW UP IN WALL TO SECOND FLOOR.



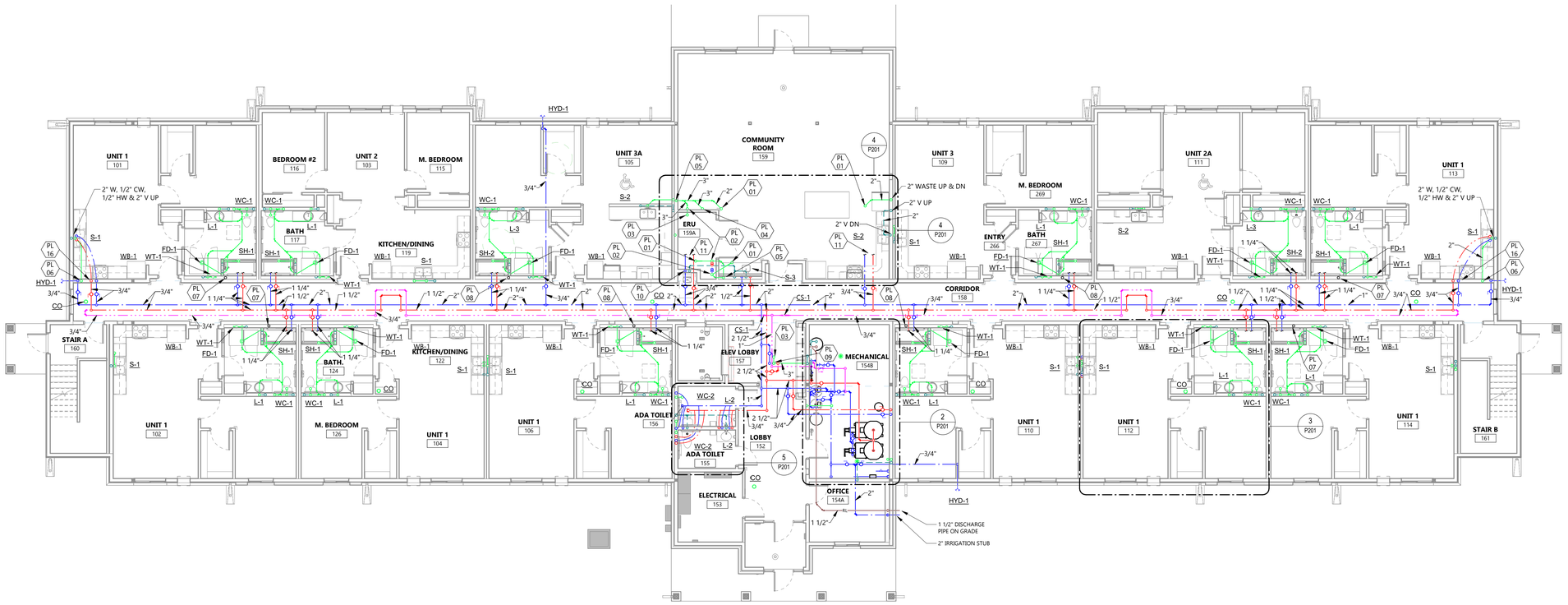
4 P201 DOMESTIC WATER PLUMBING PLAN - COMMUNITY ROOM 159
1/4" = 1'-0"



3 P201 TYPICAL UNIT - DOMESTIC WATER
1/4" = 1'-0"



2 P201 ENLARGED MECHANICAL ROOM PLAN
1/4" = 1'-0"



1 P201 FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"

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PE-7452
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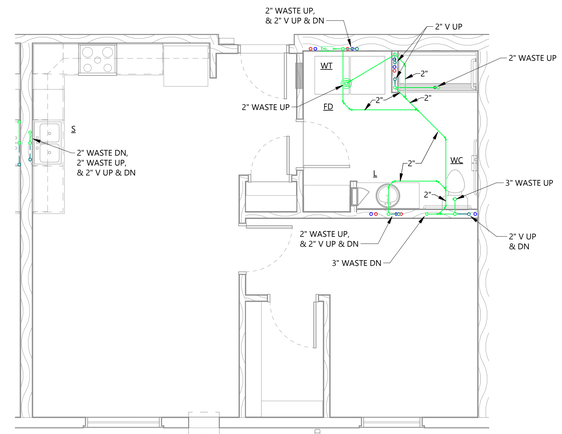
NORTH DAKOTA

DRAWING TITLE
FIRST FLOOR PLUMBING PLANS

P201

KEYNOTE LEGEND:

< < <	INDICATES KEYNOTE ON PLAN
PL 01	2" WASTE DOWN.
PL 02	2" WASTE UP.
PL 03	2" VENT UP.
PL 04	2" VENT DOWN.
PL 05	3" WASTE UP.
PL 06	3" WASTE DOWN, 2" VENT UP.
PL 07	2" WASTE & 2" VENT DOWN.
PL 08	4" SCHEDULE 40 PVC RADON UP & DOWN.
PL 09	3" SCHEDULE 40 PVC RADON UP & DOWN.
PL 10	2" WASTE UP, 2" VENT DOWN.
PL 11	2" VENT UP, 1/2" CW & 1/2" HW UP.
PL 12	3/4" CW & 3/4" HW DOWN.



2 P202 TYPICAL UNIT - SANITARY WASTE

1/4" = 1'-0"

1 P202 SECOND FLOOR PLUMBING PLAN

1/8" = 1'-0"

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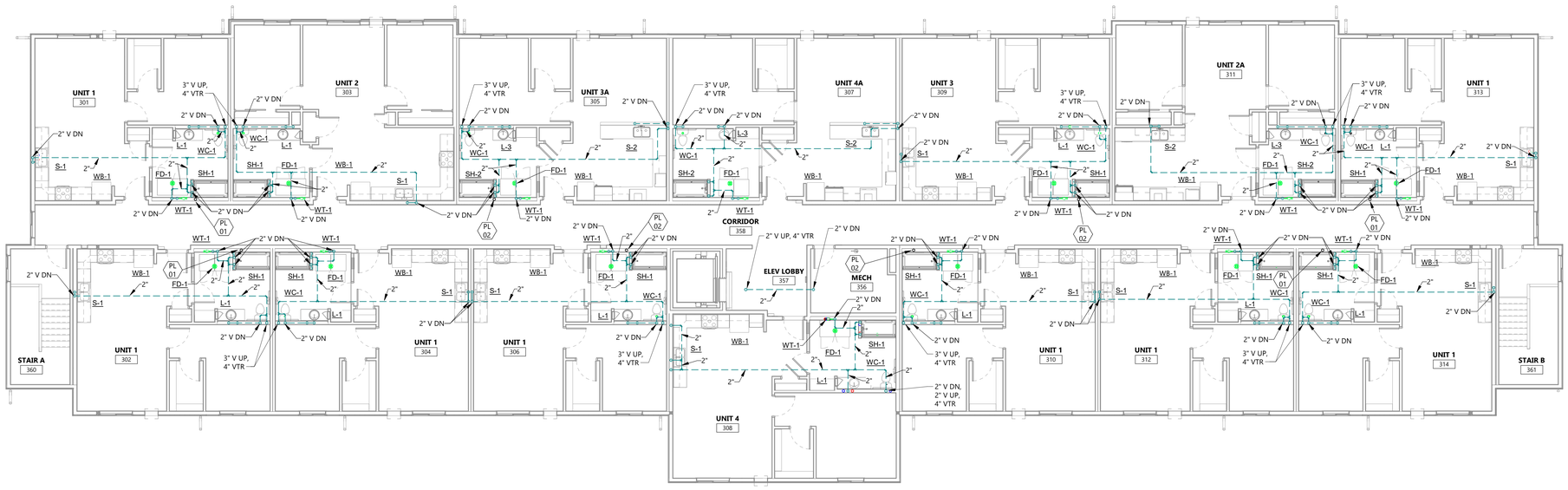
SECOND FLOOR PLUMBING PLAN

P202

Revit Version: 2026
Plot Date: 5/11/2026 11:48:21 AM

KEYNOTE LEGEND:

< < <	INDICATES KEYNOTE ON PLAN
PL 01	4" SCHEDULE 40 PVC RADON UP & DOWN.
PL 02	3" SCHEDULE 40 PVC RADON UP & DOWN.



1 / P203 THIRD FLOOR PLUMBING PLAN

1/8" = 1'-0"

N

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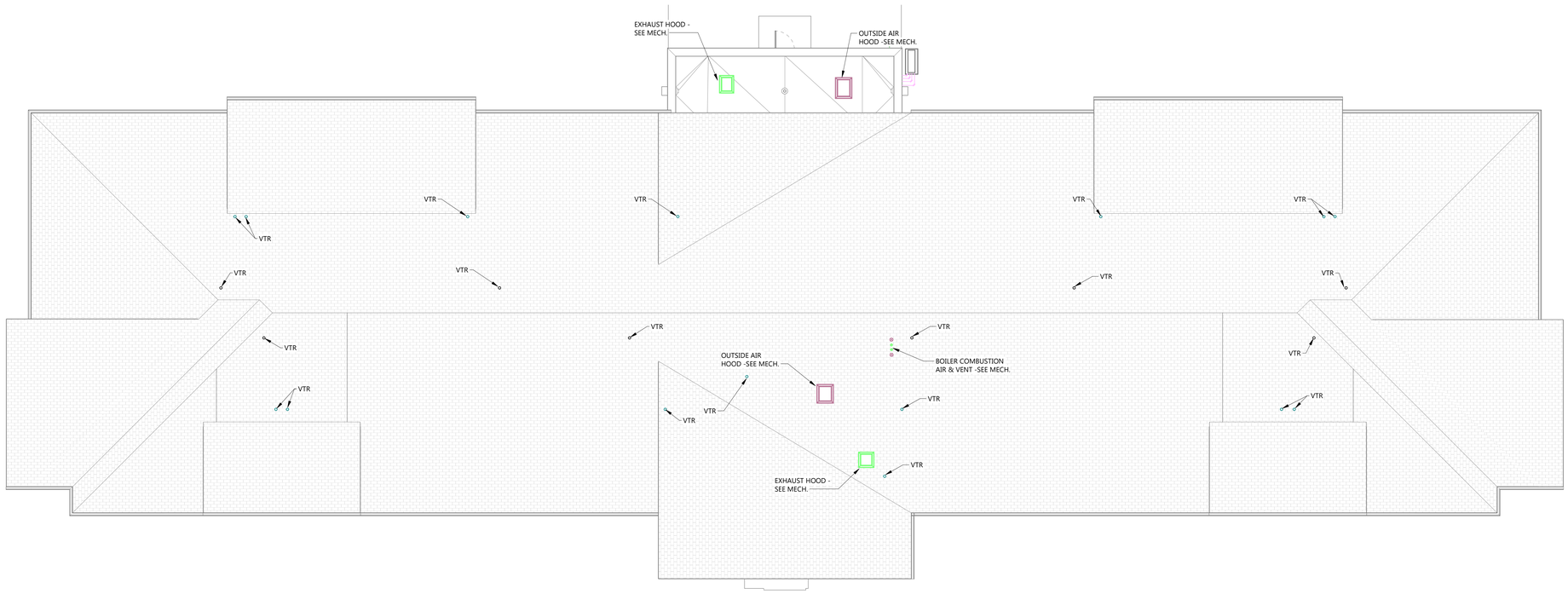
DRAWING TITLE
THIRD FLOOR
PLUMBING PLAN

P203

Revit Version: 2026
Plot Date: 5/11/2026 11:48:26 AM

GENERAL NOTES

1. ALL VTR SHALL BE INSTALLED A MINIMUM OF 10'-0" AWAY FROM ALL MECHANICAL OUTSIDE AIR HOODS.



1 / P204 ROOF PLUMBING PLAN

1/8" = 1'-0"

N

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NORTH DAKOTA

DRAWING TITLE
ROOF PLUMBING PLAN

P204

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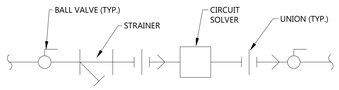
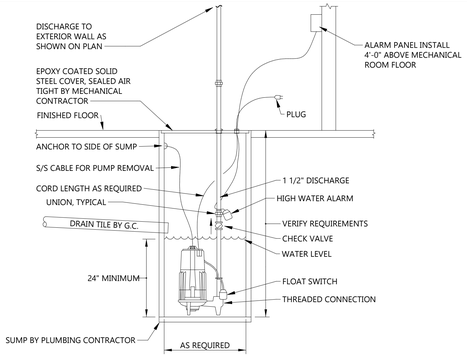
Plot Date: 5/11/2026 11:48:28 AM

GENERAL NOTES

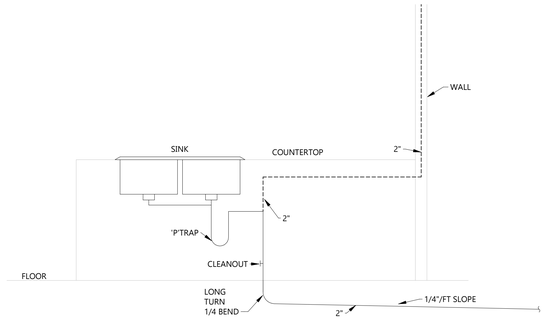
1. ALL EQUIPMENT SHALL COMPLY WITH THE BUILD AMERICA, BUY AMERICA (BABA) ACT.



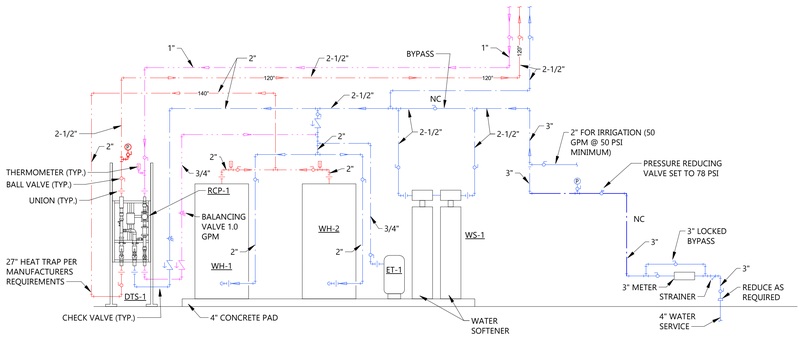
5 P801 CIRCUIT SOLVER ASSEMBLY DETAIL
NOT TO SCALE



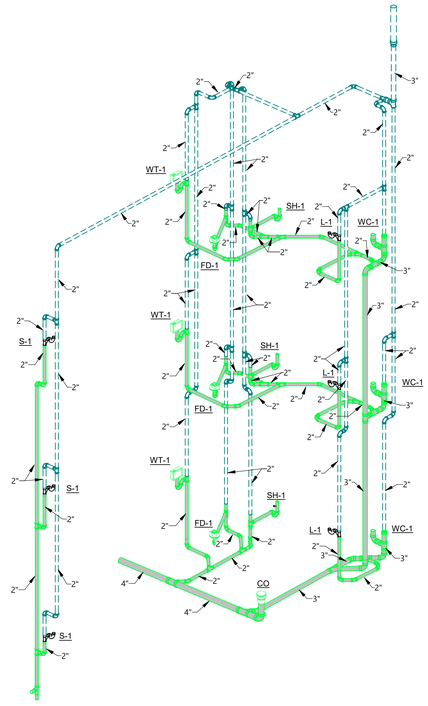
4 P801 DRAIN TILE SUMP PUMP DETAIL
NOT TO SCALE



3 P801 VENTING DETAIL
NOT TO SCALE



2 P801 WATER HEATER DETAIL
NOT TO SCALE



1 P801 TYPICAL UNIT - WASTE & VENT RISER
NOT TO SCALE

DOMESTIC WATER BALANCING VALVE SCHEDULE

ITEM NUMBER	MANUFACTURER	MODEL #	SERVICE	CONNECTION SIZE	INLET TEMP	OUTLET TEMP	NOTES:
CS-1	CIRCUIT SOLVER	CS-3/4-110	DOMESTIC WATER	3/4"	120°F	110°F	1, 2

1. ANSI-61 RATED
2. PROVIDE SUITABLE LINE SIZE ISOLATION VALVES, UNIONS AND STRAINER AS INDICATED BY MANUFACTURERS REQUIREMENTS & PER DETAIL ON DRAWINGS.

PLUMBING PUMP SCHEDULE

NUMBER	SERVICE	MFGR.	MODEL	PUMP TYPE	GPM	TOTAL HEAD	MOTOR CHARACTERISTICS RPM	HP	V / PH	NOTES:
SP-1	ELEVATOR DRAINTILE PUMP	PENTAIR	MC105020	SUBMERSIBLE	62	25'	1,550	1/2	115/1	1,2,3

1. SUMP BASIN SHALL BE FIBERGLASS WITH STEEL COVER, BASIN SHALL BE A MINIMUM 2 FEET DEEPER THAN LOWEST INLET
2. LEVEL FLOAT SWITCHES, SHALL TURN PUMP ON/OFF AND INDICATE ALARM CONDITION.
3. BASIN SHALL BE A MINIMUM OF 24" IN DIAMETER

WATER HEATER SCHEDULE

ITEM NUMBER	MANUFACTURER	SERIES	MODEL #	TANK	LOCATION	BOILER WATER FLOW	RECOVERY @ 100 DEG RISE	STORAGE CAPACITY	WATER TEMP	VOLTS/ PHASE	COMMENTS
WH-1	HUBBELL	SYNERGY HYDRO	BW150SS-340D	316L SS	MECHANICAL	29 GPM	340 GPH	150	140°F	120/1 15 AMPS MAX.	1, 2, 3, 4, 5
WH-2	HUBBELL	SYNERGY HYDRO	BW150SS-340D	316L SS	MECHANICAL	29 GPM	340 GPH	150	140°F	120/1 15 AMPS MAX.	1, 2, 3, 4, 5

1. ASME RATED WITH DOUBLE WALL HEAT EXCHANGER & TWO WAY CONTROL VALVES.
2. PIPE RELIEF VALVES OVER FLOOR DRAIN
3. PROVIDE AN ELBI DTS-100 (ASME) EXPANSION TANK (DET-1) WITH 26.5 GALLON TANK VOLUME AND 26.5 ACCEPTANCE VOLUME.
4. WATER HEATER SHALL BE ASME AND UL RATED.
5. BOILER WATER IS 35% EG/WATER MIXTURE, 180 DEG F ENTERING WATER, 20 DEG F WATER TEMP DROP.

WATER SOFTENER SCHEDULE

ITEM NO.	LOCATION	MFG.	MODEL NO.	CAPACITY GRAINS	GPM FLOW CONT.	GPM FLOW PEAK	PRESSURE DROP @ 120 GPM	BACKWASH FLOW RATE GPM	VALVE SIZE IN & OUT	CU. FT RESIN PER TANK (2)	RESIN TANK SIZE	BRINE TANK SIZE	V / PH	NOTES:
WS-1	MECHANICAL	WATER CONTROL INC,	LF-210-TWIN-CLV	420,000	82	156	15 PSI	10	2"	7	21"x 62"	24"x 50"	120 / 1	1, 2

1. PROVIDE DEDICATED ELECTRICAL CIRCUIT.
2. WATER SOFTENER SYSTEM SHALL BE FACTORY PLUMBED WITH AUTOMATIC CONTROLS.

PLUMBING FIXTURE SCHEDULE

ITEM NO.	MANUFACTURER	MODEL NO.	DESCRIPTION	FLOW RATE	CONNECTIONS - INCHES WASTE	VENT	CW	HW	REMARKS
CO-1	JOSAM	55000	LEVELEZE FLOOR CLEANOUT, INTERNAL ABS CLEANOUT PLUG ADJUSTABLE CAST IRON HOUSING, ROUND SATIN COVER		VARIES				SEE PLANS FOR PIPE SIZES
EWC-1	ELKAY	LZS8WSLK EZWSR	WALL HUNG, SINGLE STATION WATER COOLER W/ BOTTLE FILLING STATION STAINLESS STEEL BASIN, LIGHT GRAY SHROUDS BOTTLE FILLING STATION WITH GREEN TICKER		2"	2"	1/2"		ADA COMPLIANT ELKAY #LKAPREZL APRON BELOW
FD-1	JOSAM	30000-A	TWO-PIECE BODY WITH DOUBLE DRAINAGE FLANGE AND 1/2" PRIMER TAP INVERTIBLE FLASHING COLLAR , WEEPHOLES, BOTTOM OUTLET		VARIES	VARIES			PROVIDE DEEP SEAL P-TRAP 'SEE PLANS FOR PIPE SIZES
HYD-1	WOODFORD	17	FREEZE-PROOF, INTEGRAL VACUUM BREAKER, ANTI-SIPHON				3/4"		
L-1	CHICAGO FAUCETS	420-POE2805ABCP	4" FIXED CENTERS, VANDAL PROOF 4-1/4" LEVER HANDLE CERAMIC OPERATING CARTRIDGE W/ VOLUME CONTROL	.5 GPM	2"	2"	1/2"	1/2"	OFFSET DRAIN, POP UP DRAIN
L-2	CHICAGO FAUCETS	420-T41E2805ABCP	4" FIXED CENTERS, VANDAL PROOF 4-1/4" LEVER HANDLE CERAMIC CARTRIDGE W/ BUILT-IN CHECK VALVE & THERMOSTATIC ELEMENT	.5 GPM			1/2"	1/2"	OFFSET DRAIN, GRID STRAINER
L-3	CHICAGO FAUCETS	420-E2805ABCP	4" FIXED CENTERS, VANDAL PROOF 4-1/4" LEVER HANDLE CERAMIC OPERATING CARTRIDGE W/ VOLUME CONTROL	.5 GPM	2"	2"	1/2"	1/2"	OFFSET DRAIN, CLICK & POP DRAIN
MB-1	FIAT CHICAGO FAUCETS	MSB2424 897-CRCF	FLOOR SET, MOLDED STONE, STAINLESS STEEL WALL GUARDS VINYL BUMPER GUARDS, 30" HOSE & BRACKET CHROME PLATED FAUCET WITH INTEGRAL VACUUM BREAKER PAIL HOOK, WALL BRACE, 3/4" THREADED OUTLET		3"	2"	3/4"	3/4"	MOP HOLDER, FLAT STAINLESS STEEL STRAINER
S-1	ELKAY CHICAGO FAUCETS IN-SINK-ERATOR	ELUH3118DBG 434-ABCP BADGER 5	LUSTERONE STAINLESS STEEL, 30 3/4"X18 1/2"X7 7/8" DOUBLE BOWL UNDERMOUNT SINK, 18 GAUGE, 304 STAINLESS STEEL, REAR CENTER DRAIN DECK MOUNTED HIGH ARC KITCHEN FAUCET WITH PULL-DOWN SPOUT SINGLE HANDLE, HIGH ARC SPOUT, CHROME PLATED CONTINUOUS FEED, ANTI VIBRATION, DISHWASHER CONNECTION	1.5 GPM	2"	2"	1/2"	1/2"	3/4" HP, 120/1, 8.1 AMPS, CORD WITH PLUG, 1725 RPM
S-2	ELKAY CHICAGO FAUCETS IN-SINK-ERATOR	ELUHAD321655 434-ABCP BADGER 5	LUSTERONE STAINLESS STEEL, 31 3/4X 16 1/2"X5 3/8" DOUBLE BOWL UNDERMOUNT ADA, 18 GAUGE, 304 STAINLESS STEEL, BOTTOM PADS ONLY DECK MOUNTED, HIGH ARC KITCHEN FAUCET WITH PULL-DOWN SPOUT SINGLE HANDLE, HIGH ARC SPOUT, CHROME PLATED CONTINUOUS FEED, ANTI VIBRATION, DISHWASHER CONNECTION	1.5 GPM	2"	2"	1/2"	1/2"	3/4" HP, 120/1 8.1 AMPS, CORD WITH PLUG, 1725 RPM
S-3	ELKAY CHICAGO FAUCETS	ELUH2317PD 434-ABCP	LUSTERONE STAINLESS STEEL, 25 1/2"X 19 1/4" 8" SINGLE BOWL UNDERMOUNT W/ PERFECT DRAIN, 18 GAUGE 304 STAINLESS STEEL DECK MOUNTED, HIGH ARC KITCHEN FAUCET WITH PULL-DOWN SPOUT SINGLE HANDLE, HIGH ARC SPOUT, CHROME PLATED	1.5 GPM	2"	2"	1/2"	1/2"	
SH-1	COMFORT DESIGNS CHICAGO FAUCETS	SST6030TR 1.125 SH-PB1-11-031	60"X30" TRANSITION SHOWER, BASE ONLY, TRENCH DRAIN PRESSURE BALANCING SHOWER SYSTEM W/ SHOWER HEAD & HAND SPRAY 59" STAINLESS HOSE & PAUSE CONTROL, 24" WALL-MOUNTED SLIDE BAR INLINE ATMOSPHERIC VACUUM BREAKER	1.5 GPM	2"	2"	1/2"	1/2"	PROVIDE SHELL REINFORCEMENT FOR ALL POTENTIAL FUTURE ACCESSORIES OPTIONAL ACCESSORIES - LARGE SOAP DISH, GRAB BARS BY OTHERS
SH-2	COMFORT DESIGNS CHICAGO FAUCETS	SST6030TR 1.125 SH-PB1-11-031	60"X30" TRANSITION SHOWER, BASE ONLY, TRENCH DRAIN PRESSURE BALANCING SHOWER SYSTEM W/ SHOWER HEAD & HAND SPRAY 59" STAINLESS HOSE & PAUSE CONTROL, 24" WALL-MOUNTED SLIDE BAR INLINE ATMOSPHERIC VACUUM BREAKER	1.5 GPM	2"	2"	1/2"	1/2"	PROVIDE SHELL REINFORCEMENT FOR ALL POTENTIAL FUTURE ACCESSORIES OPTIONAL ACCESSORIES - LARGE SOAP... SEE ARCH FOR INSTALLATION HEIGHT WALL-MOUNTED SLIDE BAR NEEDS TO MATCH UNIVERSAL DESIGN GUIDELINES
WB-1	SIOUX CHIEF	696-G1010	ICE MAKER OUTLET BOX, QUARTER TURN BALL VALVE W/ 1/4" TURN COMPRESSION OUTLET HAMMER ARRESTER				1/2"		
WC-1	TOTO BEMIS	CST776CSF 7300SLEC	FLOOR MOUNTED, TANK TYPE, CERAMIC GLAZE, ELONGATED BOWL, CHROME-PLATED, METAL TRIP LEVER ELONGATED, CLOSED FRONT, WHISPER CLOSE	1.60 GPF	4"	2"	1/2"		16-3/4" FLOOR TO RIM MOUNTING HEIGHT, BACKING PROVIDED BY G.C. FOR GRAB BARS, SEE ARCH MUST BE MADE IN USA WHITE WITH COVER
WC-2	TOTO BEMIS	CST776CSF 1955SSCT	FLOOR MOUNTED, TANK TYPE, CERAMIC GLAZE, ELONGATED BOWL, CHROME-PLATED, METAL TRIP LEVER ELONGATED, OPEN FRONT, SELF SUSTAINING SS CHECK HINGE	1.60 GPF	4"	2"	1/2"		16-3/4" FLOOR TO RIM MOUNTING HEIGHT, BACKING PROVIDED BY G.C. FOR GRAB BARS, SEE ARCH MUST BE MADE IN USA
WT-1	SIOUX CHIEF	696-G2313	WASHING MACHINE SUPPLY/DRAIN BOX, QUARTER TURN BALL VALVES HAMMER ARRESTERS		2"	2"	1/2"	1/2"	

NOTES:

1. PROVIDE COLD WATER AND HOT WATER SCREWDRIVER STOPS AT ALL SINKS, LAVATORIES, ELECTRIC WATER COOLERS, ETC.
2. ALL WATER SUPPLIES AND STOPS SHALL BE INSTALLED SECURE TO BACKING IN WALL OR SUPPLY STRAPS AS REQUIRED FOR A SECURE, RIGID INSTALLATION.
3. PROVIDE ESCUTCHEONS AT ALL WASTE AND WATER SUPPLIES AT EACH FIXTURE. ESCUTCHEONS SHALL COMPLETELY COVER WALL OPENING.
4. ALL WALL HUNG WATER CLOSETS, URINALS AND LAVATORIES SHALL BE CAULKED/SEALED ALL AROUND INCLUDING THE UNDERSIDE. FLOOR MOUNTED WATER CLOSETS SHALL NOT BE CAULKED/SEALED TO FLOOR.
5. ALL COUNTER MOUNTED FIXTURES SHALL BE CAULKED/SEALED AS PER THE MANUFACTURERS INSTRUCTIONS.
6. COORDINATE ALL SELF RIMMING LAVATORIES AND SINKS WITH GENERAL CONTRACTOR AND CASEWORK SUPPLIER FOR FIT.
7. ALL A.D.A. COMPLIANT WATER CLOSETS SHALL HAVE FLUSHING MECHANISM TO OPEN SIDE OF ROOM OR STALL.
8. ALL EXPOSED P-TRAPS AND WATER SUPPLIES AT A.D.A. ACCESSIBLE LOCATIONS SHALL BE PROVIDED WITH PROTECTIVE SHIELD OR COVERS AS SPECIFIED.

LEGEND

WC = WATER CLOSET	EWS = EYEWASH STATION
U = URINAL	HYD = HYDRANT
L = LAVATORY	HB = HOSE BIB
S = SINK	TD = TRENCH DRAIN
B = BATHTUB	FS = FLOOR SINK
SH = SHOWER	FD = FLOOR DRAIN
MB = MOP BASIN	CO = CLEANOUT
LT = LAUNDRY TUB	WCO = WALL CLEANOUT
EWC = ELEC. WATER COOLER	RD = ROOF DRAIN
WT = WASHER TRIM	ORD = OVERFLOW ROOF DRAIN
DB = DRAIN BOX	DT = DRAIN TROUGH
WB = WATER OUTLET BOX	SOI = SAND OIL INTERCEPTOR
CB = CONDENSATE BOX	GI = GREASE INTERCEPTOR
MV = MIXING VALVE	

DIGITAL WATER TEMPERING SYSTEM SCHEDULE

NUMBER	SERVICE	MFGR.	SERIES	MODEL	SYSTEM CAPACITY	PRESSURE LOSS (PSI)	INLET HW WATER TEMP.	INLET CW WATER TEMP.	OUTLET WATER TEMP.	RECIRC WATER TEMP.	HW CONN. IN	CW CONN. IN	HW CONN. OUT	HW-RECIR CONN.	PUMP TYPE	PUMP GPM	TOTAL HEAD	OPERATING PRESSURE	INPUT POWER V/PH	COMMENTS
DTS-1	DOMESTIC HOT WATER	LAWLER	EMX NEPTUNE	EMX 150 MS	91	10	140 deg F	40 deg F	120 deg F	110 deg F	2"	2"	2 1/2"	1"	INLINE	6	12 FT	200 psi (MAX)	120/1	1, 2, 3, 4, 5

1. SYSTEM SHALL HAVE SINGLE POINT POWER CONNECTION.
2. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR AS REQUIRED.
3. SYSTEM SHALL BE ASSE 1017 RATED.
4. PROVIDE BELL & GOSSETT NBF-36 (RCP-1) RECIRCULATING PUMP COMPLETE WITH UNIT. PUMP SHALL BE PROVIVED WITH AQUASTAT AND TIMER
5. SHALL BE PROVIDED WITH DISCONNECT BY DIV 26

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PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
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DRAWING TITLE
PLUMBING DETAILS & SCHEDULES

P801

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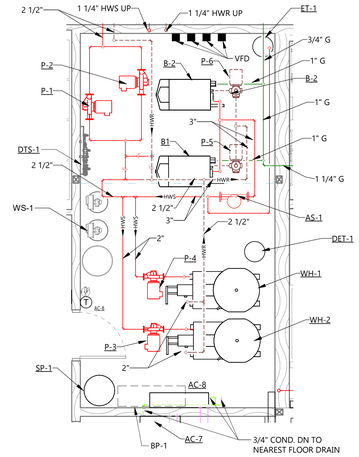
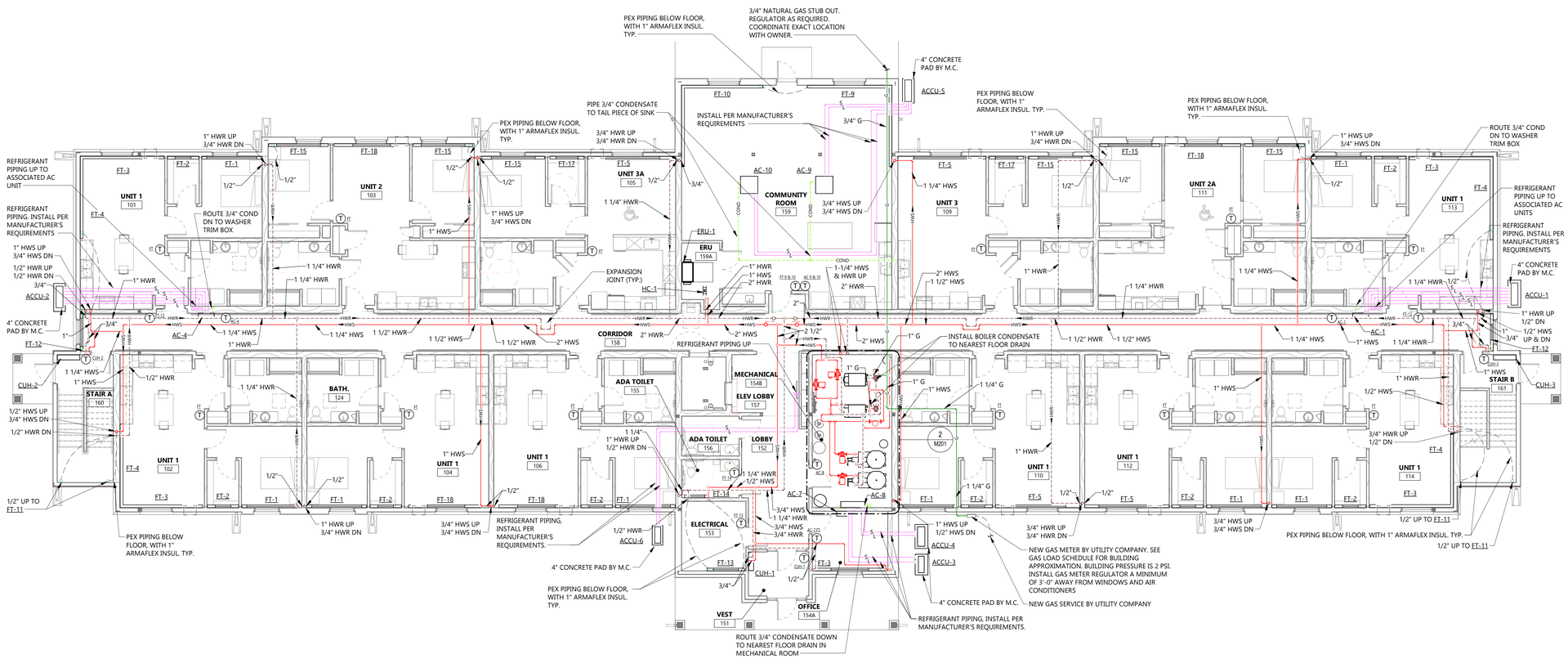


2 M201 **ENLARGED MECHANICAL ROOM HYDRONICS PLAN**

1/4" = 1'-0"

3/4" NATURAL GAS STUB OUT.



1 M201 **FIRST FLOOR HYDRONICS PLAN**

1/8" = 1'-0"

N

Revit Version: 2026
Plot Date: 5/11/2026 11:51:09 AM

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FIRST FLOOR
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M201

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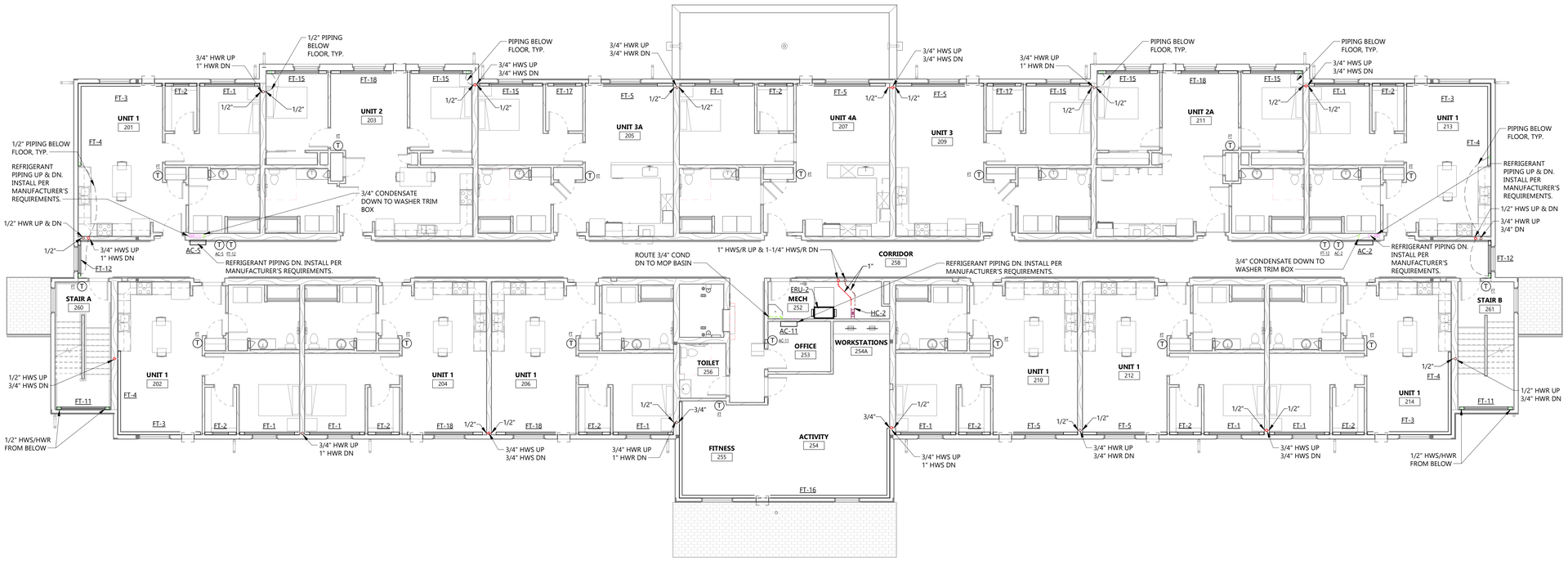
DRAWING TITLE
SECOND FLOOR
HYDRONICS PLAN

M202



1 M202 SECOND FLOOR HYDRONICS PLAN
1/8" = 1'-0"

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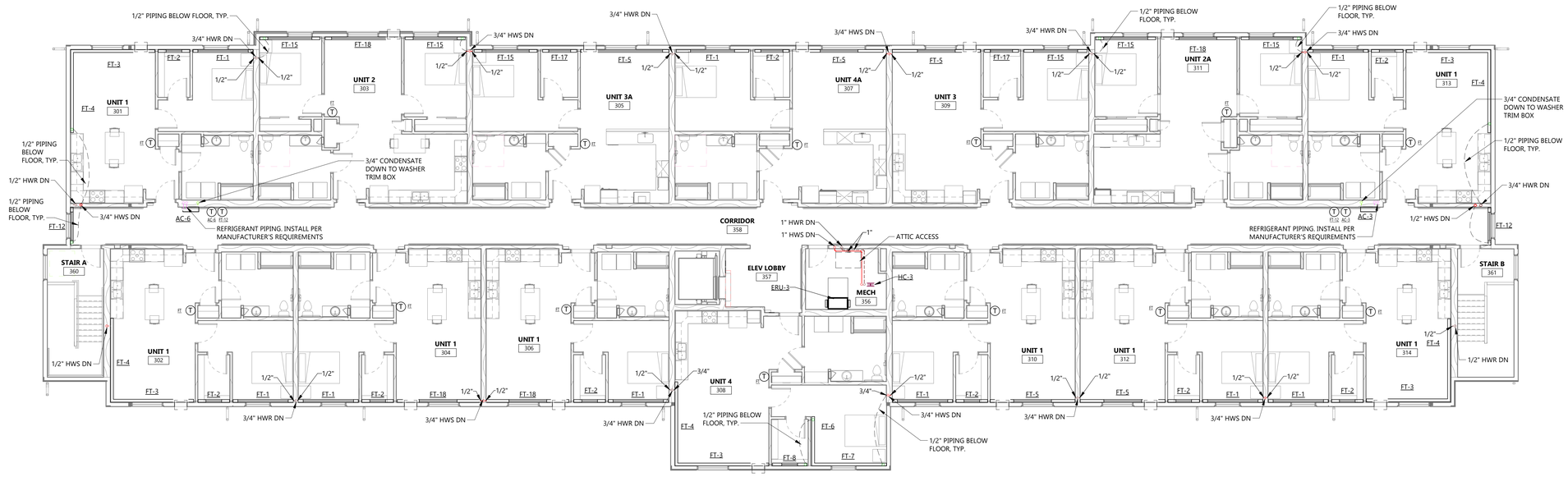
DRAWING TITLE
THIRD FLOOR
HYDRONICS PLAN

M203



1 M203 THIRD FLOOR HYDRONIC PLAN
1/8" = 1'-0"

N

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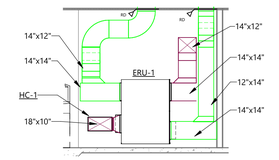
Print Date: 5/11/2026 11:53:09 AM

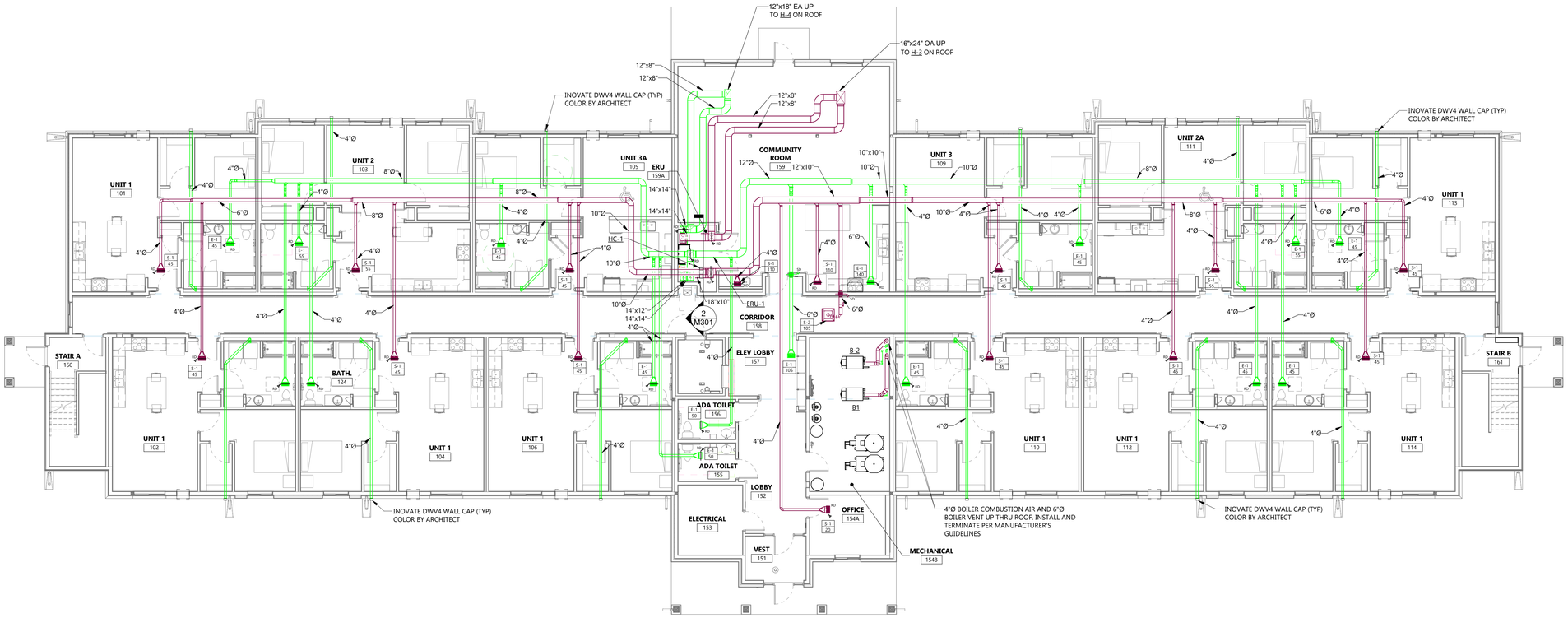
GENERAL NOTES

1. CONTRACTOR TO PROVIDE UP OR DOWN RECESSED DRYER BOXES.



2 M301 **ERU-1 SECTION**

1/4" = 1'-0"



1 M301 **FIRST FLOOR VENTILATION PLAN**

1/8" = 1'-0"

N

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DRAWING TITLE
FIRST FLOOR
VENTILATION PLAN

M301

Revit Version: 2026
Print Date: 5/11/2026 11:51:16 AM

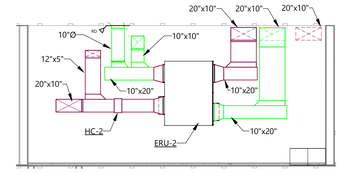
KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

MH 01 4"Ø DRYER VENTING UP TO 3RD FLOOR.

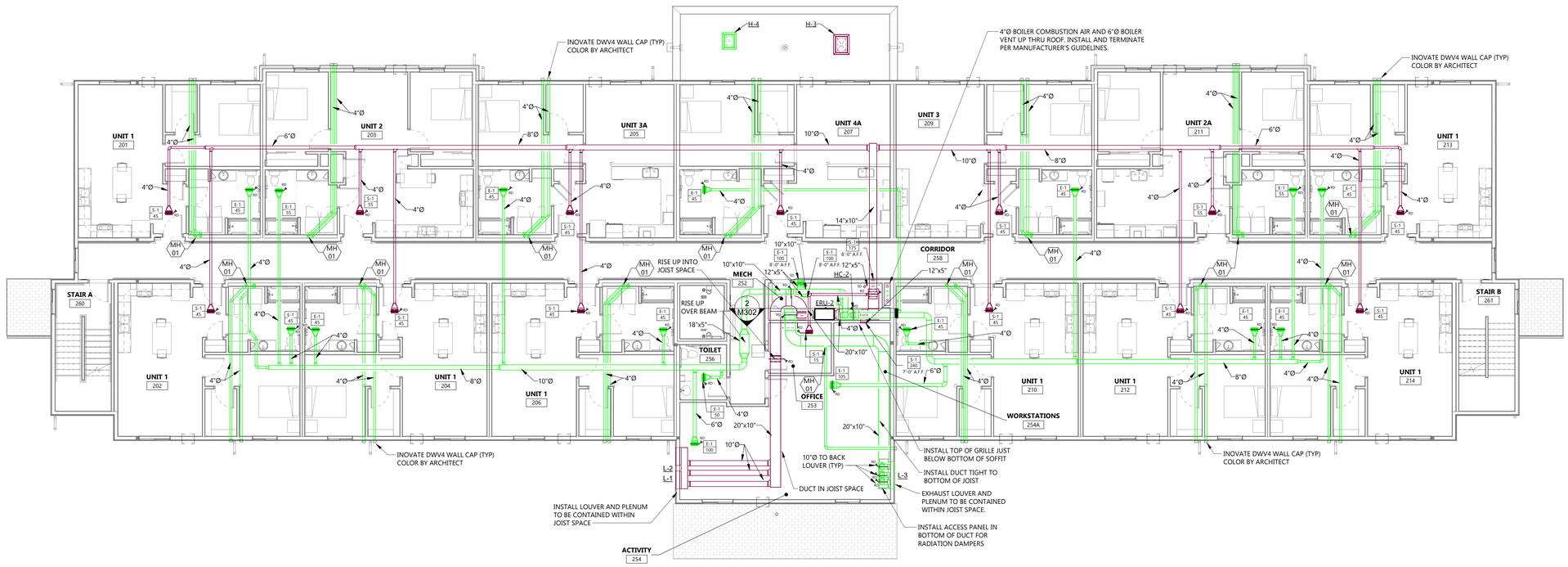
GENERAL NOTES

1. CONTRACTOR TO PROVIDE UP OR DOWN RECESSED DRYER BOXES.



2 M302 ERU-2 SECTION

1/4" = 1'-0"



1 M302 SECOND FLOOR VENTILATION PLAN

1/8" = 1'-0"

N

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SECOND FLOOR
VENTILATION PLAN

M302

Revit Version: 2026
Print Date: 5/11/2026 11:51:22 AM

KEYNOTE LEGEND:

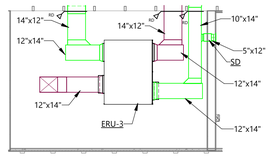
< < < INDICATES KEYNOTE ON PLAN

MH 01 4"Ø DRYER VENTING DOWN TO 2ND FLOOR

MH 02 DUCTWORK INSTALLED IN ATTIC SPACE THRU TRUSS SPACE (TYPICAL).

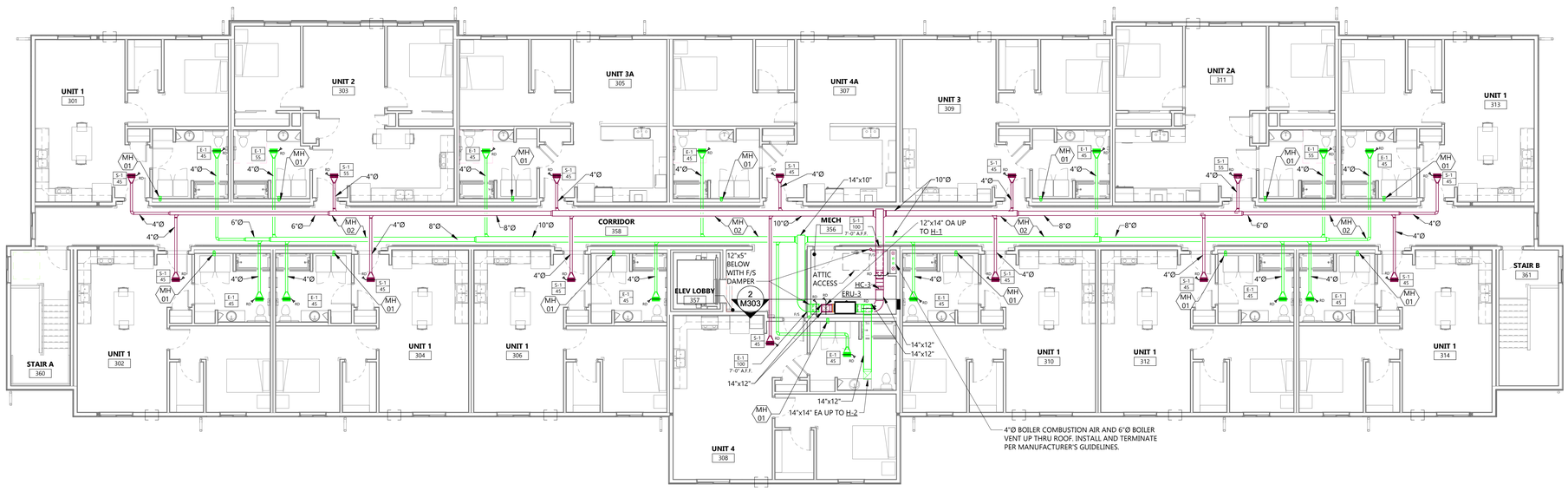
GENERAL NOTES

1. CONTRACTOR TO PROVIDE UP OR DOWN RECESSED DRYER BOXES.



2 M303 **ERU-3 SECTION**

1/4" = 1'-0"



1 M303 **THIRD FLOOR VENTILATION PLAN**

1/8" = 1'-0"

N

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DRAWING TITLE
THIRD FLOOR
VENTILATION PLAN

M303

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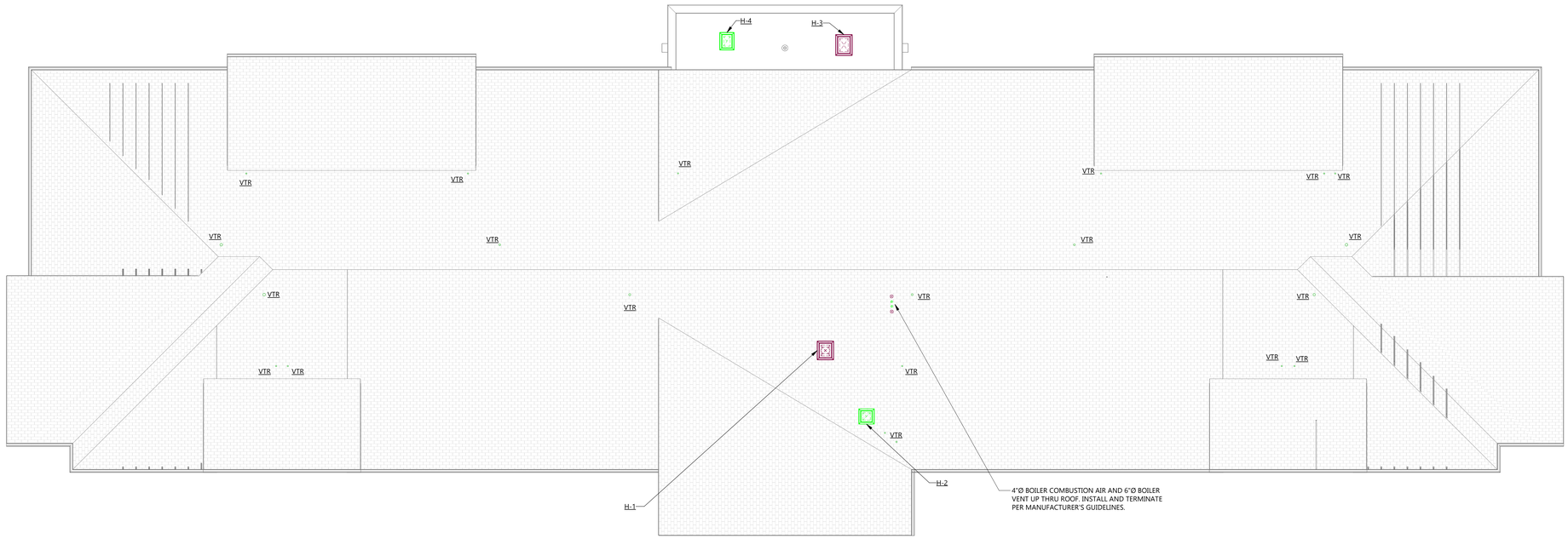
DRAWING TITLE
MECHANICAL ROOF PLAN

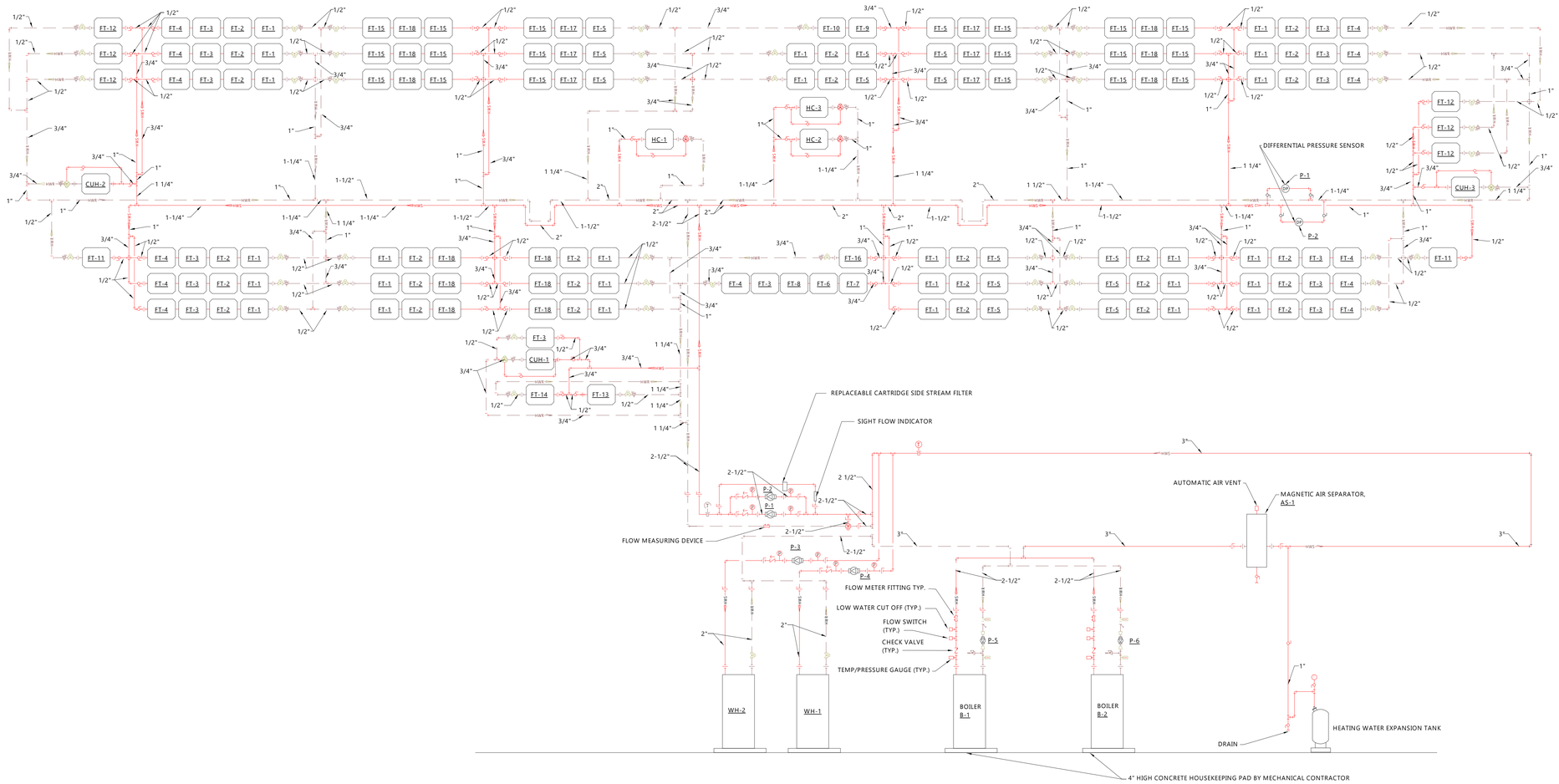
M400



1 M400 MECHANICAL ROOF PLAN
1/8" = 1'-0"

N

Revit Version: 2026
Plot Date: 5/11/2026 11:53:28 AM



1 M501 MECHANICAL FLOW DIAGRAM
NOT TO SCALE

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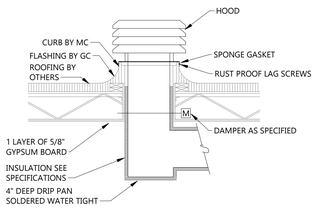
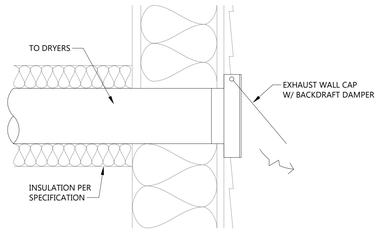
DRAWING TITLE
MECHANICAL FLOW DIAGRAM

M501

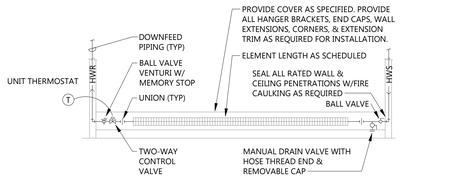


13 M601 TYPICAL ROOF HOOD DETAIL
NOT TO SCALE

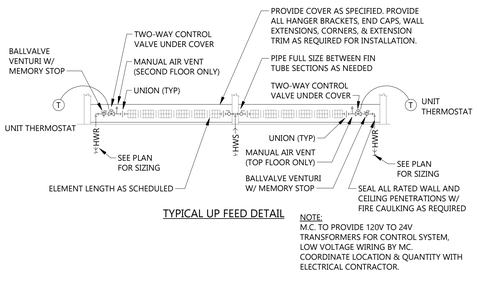
NOTES:
1. DUCTS SHALL NOT BE CONNECTED OR INSTALLED W/ SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION.
2. ALL DRYER VENTING SHALL BE INSTALLED W/ 6" RADIUS ELBOWS. MAXIMUM TOTAL EQUIVALENT LENGTH SHALL COMPLY W/ INTERNATIONAL MECHANICAL CODE. PROVIDE UNIQUE TOTAL EQUIVALENT LENGTH TAG AT EACH DRYER VENT UNIT CONNECTION.



12 M601 TYPICAL DRYER VENT DETAIL
NOT TO SCALE



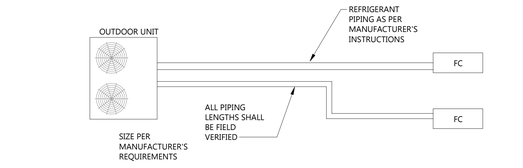
TYPICAL DOWN FEED DETAIL



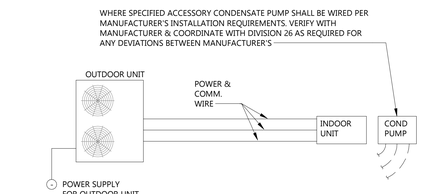
TYPICAL UP FEED DETAIL

NOTE:
M.C. TO PROVIDE 120V TO 24V TRANSFORMERS FOR CONTROL SYSTEM, LOW VOLTAGE WIRING BY MC. COORDINATE LOCATION & QUANTITY WITH ELECTRICAL CONTRACTOR.

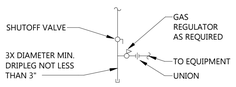
11 M601 TYPICAL FIN TUBE RADIATION PIPING
NOT TO SCALE



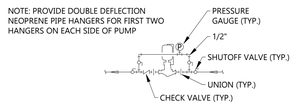
14 M601 MULTI-MINI SPLIT SYSTEM TYPICAL PIPING DETAIL
NOT TO SCALE



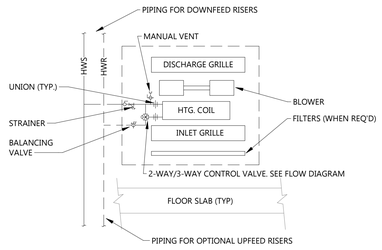
10 M601 SPLIT SYSTEM TYPICAL WIRING DETAIL
NOT TO SCALE



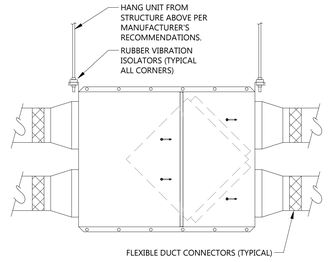
9 M601 GAS DROP DETAIL
NOT TO SCALE



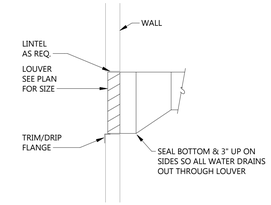
8 M601 TYPICAL INLINE PUMP DETAIL
NOT TO SCALE



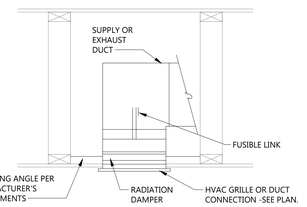
7 M601 TYP WALL MOUNT CAB. UNIT HEATER DETAIL
NOT TO SCALE



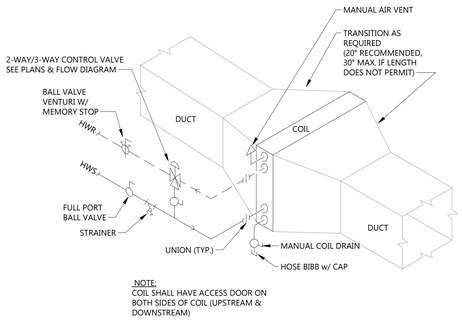
6 M601 TYPICAL ERU DETAIL
NOT TO SCALE



5 M601 TYPICAL LOUVER DETAIL
NOT TO SCALE

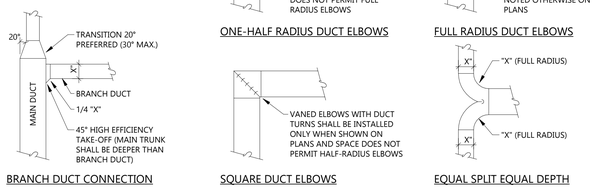


4 M601 RADIATION DAMPER DETAIL
NOT TO SCALE

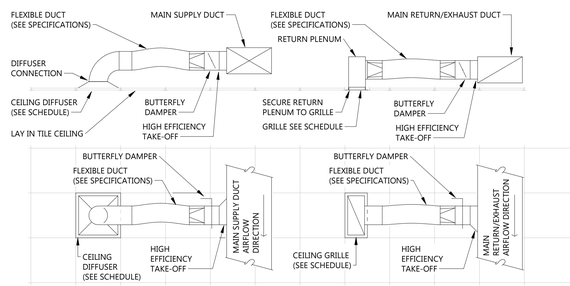


NOTE:
COIL SHALL HAVE ACCESS DOOR ON BOTH SIDES OF COIL (UPSTREAM & DOWNSTREAM)

3 M601 TERMINAL COIL REHEAT DETAIL
NOT TO SCALE



2 M601 DUCT DETAILS
NOT TO SCALE



1 M601 TYPICAL DIFFUSER AND GRILLE CONNECTION DETAIL
NOT TO SCALE

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CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: BF
CHECKED BY: TC

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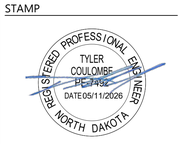

DRAWING TITLE
MECHANICAL DETAILS

M601

Revit Version: 2026
Print Date: 5/11/2026 11:53:30 AM

GENERAL NOTES

1. ALL EQUIPMENT SHALL COMPLY WITH THE BUILD AMERICA, BUY AMERICA (BABA) ACT

BOILER SCHEDULE

TAG	MANUFACTURER	MODEL #	GPM	EWT °F	LWT °F	PRESSURE DROP (FT)	GROSS INPUT BTU/HR	GROSS OUTPUT BTU/HR	FUEL	VOLTS/PH (AMPS)	NOTES:
B-1	LOCHINVAR	KBX-800	76	160	180	17	800,000	776,000	NAT. GAS	120/1 (8.0)	1, 2, 3, 4, 5, 6, 7, 8
B-2	LOCHINVAR	KBX-800	76	160	180	17	800,000	776,000	NAT. GAS	120/1 (8.0)	1, 2, 3, 4, 5, 6, 7, 8

1. BOILER SHALL BE CONDENSING TYPE
2. BOILER INTAKE PIPING SHALL BE 4"Ø PVC. BOILER FLUE SHALL BE 6"Ø DOUBLE WALL AL-29-4C SS
3. ALL CONTROL WIRING SHALL BE BY CONTROL CONTRACTOR
4. PROVIDE WITH 60 PSIG RELIEF VALVE
5. PROVIDE WITH CONDENSATE NEUTRALIZER KIT.
6. FLUID IS 35% ETHYLENE GLYCOL & WATER SOLUTION
7. PROVIDE RED MUSHROOM EMERGENCY STOP SHUTOFF SWITCH TO DISCONNECT POWER CIRCUIT TO EACH BOILER. LOCATE SWITCH PER CODE.
8. ALL WIRING SHALL BE BY DIV. 23.

HEATING COIL SCHEDULE

TAG	AREA SERVED	CFM	COIL CAP. (BTU) HEATING	HEATING AIR °F ENT	HEATING AIR °F LVG	COIL SIZE (W"x H")	CIRCULATING WATER (HEATING) TEMP. IN °F	CIRCULATING WATER (HEATING) TEMP. OUT °F	GPM	MAX PRESSURE DROP WATER	MAX PRESSURE DROP AIR	NOTES:
HC-1	ERU-1	905	45,500	30	75	18"X10"	180	160	4.98	5.89'	0.214"	1, 2, 3
HC-2	ERU-2	1,035	51,900	30	75	20"X10"	180	160	5.69	7.83'	0.225"	1, 2, 3
HC-3	ERU-3	750	38,000	30	75	14"X12"	180	160	4.16	4.32'	0.147"	1, 2, 3

1. MAXIMUM FACE VELOCITY = 550 FPM
2. COIL SELECTION BASED ON USA COIL & AIR
3. FLANGED GALVANIZED CASE, COPPER PIPING CONNECTIONS, NPT.
4. FLUID IS 35% ETHYLENE GLYCOL AND WATER SOLUTION

HOOD SCHEDULE

TAG	MANUFACTURER & MODEL #	CFM	THROAT AREA (FT2)	THROAT SIZE WIDTH	THROAT SIZE LENGTH	THROAT SIZE VELOCITY	HOOD SIZE WIDTH	HOOD SIZE LENGTH	HOOD SIZE HEIGHT	FINISH	MATERIAL	NOTES:
H-1	GREENHECK WIH	750	2.22	16	20	338	30	34	12.25	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
H-2	GREENHECK WRH	750	1.36	14	14	551	28	28	12.25	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
H-3	GREENHECK WIH	905	2.67	16	24	339	30	38	12.25	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 4
H-4	GREENHECK WRH	905	1.50	12	18	603	26	32	12.25	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 4

1. MANUFACTURER TO PROVIDE LOUVER WITH 1/2"x 1/2" BIRDSCREEN
2. INSTALLED BY M.C.
3. PROVIDE WITH 18" CURB. CURB SHALL MATCH SLOPING OF ROOF. CURB COLOR TO MATCH HOOD COLOR
4. PROVIDE WITH 12" CURB. CURB COLOR TO MATCH HOOD COLOR

PUMP SCHEDULE

NUMBER	SERVICE	MFGR.	MODEL	PUMP TYPE	GPM	TOTAL HEAD	MOTOR CHARACTERISTICS RPM	BHP	HP	VOLTS/PHASE	NOTES
P-1	PRIMARY HEATING WATER (180 DEG)	B&G	E80-2x2x9.5C	IN-LINE	97	55'	1,800	2.46	3	208/3	1, 2, 3, 4
P-2	PRIMARY HEATING WATER (180 DEG)	B&G	E80-2x2x9.5C	IN-LINE	97	55'	1,800	2.46	3	208/3	1, 2, 3, 4
P-3	WH-2 HEATING CIRCULATING PUMP	B&G	E80-1.5x1.5x7C	IN-LINE	29	25'	1,800	0.38	0.75	208/1	3, 4
P-4	WH-1 HEATING CIRCULATING PUMP	B&G	E80-1.5x1.5x7C	IN-LINE	29	25'	1,800	0.38	0.75	208/1	3, 4
P-5	HEATING WATER CIRCULATING PUMP	B&G	E80-2.5x2.5x7B	IN-LINE	76	25'	1,800	0.80	1.00	208/3	2, 3, 4
P-6	HEATING WATER CIRCULATING PUMP	B&G	E80-2.5x2.5x7B	IN-LINE	76	25'	1,800	0.80	1.00	208/3	2, 3, 4

1. ONE PUMP IS BACK UP, SEE SEQUENCE OF OPERATION FOR LEAD/LAG OPERATION
2. PUMP SHALL BE PROVIDED WITH VTD BY ATC
3. PUMP FLUID IS 35% ETHYLENE GLYCOL AND 65% PURIFIED WATER.
4. DISCONNECT BY DIV. 26.

CABINET UNIT HEATER SCHEDULE - HOT WATER

TAG	TYPE	MANUFACTURER & MODEL #	GPM	PRESSURE DROP	OUTPUT BTUH	CFM	FAN MOTOR HP	FAN MOTOR VOLT/PH	FAN MOTOR FLA	NOTES
CUH-1	WALL MOUNTED	VULCAN WI-1110-02	1.26	0.14	12,600	230	1/15	115/1	0.6	1, 2, 3, 4
CUH-2	WALL MOUNTED	VULCAN WI-1110-03	2.71	0.75	27,100	330	1/15	115/1	0.6	1, 2, 3, 4
CUH-3	WALL MOUNTED	VULCAN WI-1110-03	2.71	0.75	27,100	330	1/15	115/1	0.6	1, 2, 3, 4

1. SELECTIONS BASED ON 180° F EWT, 60° F EAT & 20° F WTD. FLUID IS 35% ETHYLENE GLYCOL & WATER SOLUTION
2. COLOR SELECTION BY ARCHITECT
3. PROVIDE WITH FACTORY WIRED & MOUNTED DISCONNECT
4. PROVIDE WITH WALL MOUNTED THERMOSTAT.

REGISTER-GRILLE-DIFFUSER SCHEDULE

TAG	TYPE	FACE	NECK SIZE	FRAME	CFM	1 = STEEL 2 = ALUM. 3= S. STEEL MATERIAL	1 = OFFWHITE 2 = CLEAR-ALUM 3 = #84 BLACK FINISH	MANUF. UNLESS NOTED OTHERWISE PRICE MODEL	NOTES
S-1	S	FIXED GRILLE	12"x 6"	13 3/4"x 6 3/4"	SEE PLAN	1	1	540	1
S-2	S	SQUARE CONE / LAY-IN	6"Ø	24"x 24"	0-125	1	1	SCD	2, 3
E-1	E	FIXED GRILLE	12"x 5"	13 3/4"x 6 3/4"	SEE PLAN	1	1	540	1

1. SURFACE MOUNTED. PROVIDE WITH MULTI-SHUTTER DAMPER
2. LAY-IN CEILING, VERIFY TYPE WITH ARCHITECTURAL PLANS.
3. FLEXIBLE DUCT SIZE SHALL MATCH DIFFUSER NECK SIZE.

GAS LOAD SCHEDULE

ROOM	TAG	CFH
MECHANICAL 154B	BOILER-1	800
MECHANICAL 154B	BOILER-2	800
OUTSIDE	PATIO GRILL (ALT)	50
	TOTAL CFH =	1,650

ENERGY RECOVERY SCHEDULE

TAG	MANUFACTURER MODEL	AREA SERVED	SA CFM	EA CFM	SA E.S.P. " W.G.	EA E.S.P. " W.G.	SA FAN Watts	EA FAN Watts	ENERGY RECOVERY EFFECTIVENESS % SENSIBLE	WINTER	SUMMER	WINTER EAT	WINTER LAT	SUMMER EAT	SUMMER LAT	ROOM CONDITIONS WINTER	ROOM CONDITIONS SUMMER	ELECTRICAL V / PH	ELECTRICAL MCA (A)	ELECTRICAL MOP (A)	ELECTRICAL FLA (A) (PER MOTOR)	NOTES:
ERU-1	RENEWAIRE HE10INV	FIRST FLOOR	905	905	0.75"	0.75"	480	480	67%	67%	46%	-30	37.1	90.7 / 72	80.2 / 67.8	70 / 51.2	75 / 62.4	120 / 1	14.6	20.0	11.2	1, 2, 3, 4
ERU-2	RENEWAIRE HE10INV	SECOND FLOOR	1,035	1,035	0.70"	0.70"	480	480	65%	65%	43%	-30	34.9	90.7 / 72	80.5 / 68.1	70 / 51.2	75 / 62.4	120 / 1	14.6	20.0	11.2	1, 2, 3, 4
ERU-3	RENEWAIRE HE10INV	THIRD FLOOR	750	750	0.75"	0.75"	480	480	70%	70%	50%	-30	40.0	90.7 / 72	79.7 / 67.4	70 / 51.2	75 / 62.4	120 / 1	14.6	20.0	11.2	1, 2, 3, 4

1. PROVIDE FLEXIBLE CONNECTIONS ON ALL DUCTWORK CONNECTIONS TO UNIT.
2. PROVIDE SINGLE POINT POWER CONNECTION WITH FUSED DISCONNECT.
3. PROVIDE UNIT WITH MOD ISOLATION DAMPERS ON BOTH AIRSTREAMS.
4. UNIT SHALL HAVE EC MOTORS.

SPLIT SYSTEM HEAT PUMP SCHEDULE

TAG	ROOM	MANUFACTURER	MODEL #	UNIT TYPE	OUTDOOR UNIT	CFM	COOLING MBH (TOTAL)	HEATING (MBH)	SEER2	ELECTRICAL V / PH	ELECTRICAL MOP (A)	ELECTRICAL MCA (A)	ELECTRICAL FLA (A)	SYSTEM TYPE	NOTES:
AC-1	158	MITSUBISHI	PKFY-L12NLMU-A	INDOOR	ACCU-1	297	12.0	13.5	-	208 / 1	15.0	0.2		MINI-SPLIT	1, 2
AC-2	258	MITSUBISHI	PKFY-L12NLMU-A	INDOOR	ACCU-1	297	12.0	13.5	-	208 / 1	15.0	0.2		MINI-SPLIT	1, 2
AC-3	358	MITSUBISHI	PKFY-L12NLMU-A	INDOOR	ACCU-1	297	12.0	13.5	-	208 / 1	15.0	0.2		MINI-SPLIT	1, 2
AC-4	158	MITSUBISHI	PKFY-L12NLMU-A	INDOOR	ACCU-2	297	12.0	13.5	-	208 / 1	15.0	0.2		MINI-SPLIT	1, 2
AC-5	258	MITSUBISHI	PKFY-L12NLMU-A	INDOOR	ACCU-2	297	12.0	13.5	-	208 / 1	15.0	0.2		MINI-SPLIT	1, 2
AC-6	358	MITSUBISHI	PKFY-L12NLMU-A	INDOOR	ACCU-2	297	12.0	13.5	-	208 / 1	15.0	0.2		MINI-SPLIT	1, 2
AC-7	154A	MITSUBISHI	MSZ-GX09NL	INDOOR	ACCU-3	448	12.2	5.2	-	208 / 1	N/A	1.0		MINI-SPLIT	1, 2
AC-8	154B	MITSUBISHI	PKA-AK24NL	INDOOR	ACCU-4	775	24.5	-	-	208 / 1	N/A	N/A		MINI-SPLIT	1, 2, 9
AC-9	159	MITSUBISHI	PLFY-EL24NEMU-A	INDOOR	ACCU-5	812	24.0	27.0	-	208 / 1	15.0	0.5		MINI-SPLIT	1, 2, 3, 4
AC-10	159	MITSUBISHI	PLFY-EL24NEMU-A	INDOOR	ACCU-5	812	24.0	27.0	-	208 / 1	15.0	0.5		MINI-SPLIT	1, 2, 3, 4
AC-11	253	MITSUBISHI	MSZ-GX09NL	INDOOR	ACCU-6	448	12.2	5.2	-	208 / 1	N/A	1.0		MINI-SPLIT	1, 2
ACCU-1	-	MITSUBISHI	MXZ-SM36NLHZ	OUTDOOR	-	-	36.0	42.0	23.0	208 / 1	86.0	51.0		MINI-SPLIT	1, 5, 6, 7, 8
ACCU-2	-	MITSUBISHI	MXZ-SM36NLHZ	OUTDOOR	-	-	36.0	42.0	23.0	208 / 1	86.0	51.0		MINI-SPLIT	1, 5, 6, 7, 8
ACCU-3	-	MITSUBISHI	MSZ-GX09NLHZ	OUTDOOR	-	-	12.2	5.2	28.4	208 / 1	15.0	12.0		MINI-SPLIT	1, 5, 6, 7, 8
ACCU-4	-	MITSUBISHI	PUY-AH24NL	OUTDOOR	-	-	24.5	-	21.1	208 / 1	37.0	22.0		MINI-SPLIT	1, 5, 6, 7, 8, 9
ACCU-5	-	MITSUBISHI	MXZ-SM48NLHZ	OUTDOOR	-	-	48.0	54.0	23.0	208 / 1	86.0	51.0		MINI-SPLIT	1, 5, 6, 7, 8
ACCU-6	-	MITSUBISHI	MSZ-GX09NLHZ	OUTDOOR	-	-	12.2	5.2	28.4	208 / 1	15.0	12.0		MINI-SPLIT	1, 5, 6, 7, 8

1. REFRIGERANT IS R-454B, INSTALL PER MANUFACTURERS RECOMMENDATIONS.
2. PROVIDE UNITS COMPLETE WITH WIRELESS REMOTE THERMOSTAT
3. PROVIDE WITH INTEGRAL CONDENSATE PUMP IN UNIT
4. UNIT NOISE CRITERIA MUST BE BELOW 34 dB(A)
5. INSTALL OUTDOOR UNITS PER MANUFACTURER'S REQUIREMENTS FOR SERVICE & OPERATING CLEARANCES.
6. SYSTEM SHALL HEAT TO -13°F.
7. PROVIDE 4" CONCRETE PAD FOR OUTDOOR UNITS.
8. DISCONNECTS BY DIV. 26.
9. REFRIGERANT PIPING SHALL BE A MINIMUM LENGTH OF 25 FEET. LINES CAN BE COILED HORIZONTALLY TO MEET LENGTH REQUIREMENTS.

HYDRONIC SPECIALTIES SCHEDULE

HVAC SYSTEM	DESCRIPTION	MANUFACTURER	MODEL NUMBER	DESIGN CAPACITY	NOTES:
HEATING WATER	MAGNETIC AIR SEPARATOR	WESSELS	WVA-3-WM1	144 GPM	1, 4, 6
HEATING WATER	EXPANSION TANK	ITT BELL & GOSSETT	D-60V	35 TANK VOLUME (GAL) 28 ACCEPT. VOLUME (GAL)	4, 5
HEATING WATER	HIGH CAPACITY AUTO AIR VENT	ITT BELL & GOSSETT	NO. 107A	150 PSI	7
HEATING WATER	AUTO AIR VENT	ITT BELL & GOSSETT	NO. 87	150 PSI	
HEATING WATER	SIDE STREAM FILTER	SHELCO FILTERS	RHB-786-GP4I/O-V	7 GPM	2, 3
HEATING WATER	VARIABLE AREA FLOWMETER	DWYER	HFB-3-15	2/15 GPM 3/4" N.P.T. CONNECTIONS	4

1. PROVIDE WITH BLOW DOWN VALVE.
2. PROVIDE 6 REPLACEMENT 5 MICRON FILTERS.
3. PROVIDE BRASS END FITTINGS.
4. ASME CONSTRUCTION.
5. 16 PSIG COLD FILL PRESSURE , 30 PSI MAX PRESSURE IN EXPANSION TANK, BOILERS PROVIDED WITH 60 PSIG RELIEF VALVES ON HEATING SYSTEM.
6. SYSTEM FLUID: 35% ETHYLENE GLYCOL
7. PIPE DISCHARGE TO GLYCOL STORAGE TANK.

LOUVER SCHEDULE

TAG	MANUFACTURER & MODEL #	CFM	FREE AREA (FT2)	VELOCITY (FT/MIN)	PRESSURE DROP (IN W.C.)	LOUVER SIZE WIDTH	LOUVER SIZE HEIGHT	LOUVER SIZE DEPTH	FINISH	MATERIAL	NOTES:
L-1	GREENHECK ESD-435	515	1.0	523	0.044	34"	12"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
L-2	GREENHECK ESD-435	520	1.0	523	0.044	34"	12"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
L-3	GREENHECK ESD-435	1,035	1.5	682	0.065	52"	12"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3

1. MANUFACTURER TO PROVIDE LOUVER WITH 1/2"x 1/2" BIRDSCREEN
2. COLOR SELECTION BY ARCHITECT.
3. INSTALLED BY M.C.

FINNED TUBE RADIATION SCHEDULE

TAG	STYLE	COVER TYPE	COVER H"x W"	COVER LENGTH	ROWS	TUBE SIZE	FIN SIZE	FINS/ FT	FIN LENGTH (FT)	BTU/ FT	TOTAL BTU/H	GPM	NOTES:
FT-1	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	8	525	4,200	1.0	1,2,3,4,5
FT-2	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	2.5	525	1,313		
FT-3	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	11	525	5,775	1.3	1,2,3,4,5
FT-4	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	10.5	525	5,513		
FT-5	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	12	525	6,300	1.0	1,2,3,4,5
FT-6	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	5	525	2,625	1.0	1,2,3,4,5
FT-7	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	7.5	525	3,938	1.0	1,2,3,4,5
FT-8	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	2.5	525	1,313	1.0	1,2,3,4,5
FT-9	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	3/4"	2-5/8"x2-1/8"	55	10, 12.5	525	11,813	2.6	1,2,3,4,5
FT-10	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	3/4"	2-5/8"x2-1/8"	55	10, 12.5	525	11,813		
FT-11	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	7	525	3,675	1.0	1,2,3,4,5
FT-12	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	4.5	525	2,363	1.0	1,2,3,4,5
FT-13	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	4	525	2,100	1.0	1,2,3,4,5
FT-14	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	2.5	525	1,313	1.0	1,2,3,4,5
FT-15	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	7.5	525	3,938	2.9	1,2,3,4,5
FT-16	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	3/4"	2-5/8"x2-1/8"	55	13, 13, 8, 8	525	22,050	2.5	1,2,3,4,5
FT-17	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	3.5	525	1,838	1.0	1,2,3,4,5
FT-18	BASE/LINE 2000	ST	7-23/64"x2-45/64"	SEE PLAN	1	1/2"	2-5/8"x2-1/8"	55	10	525	5,250	1.0	1,2,3,4,5

1. ENCLOSURE SHALL BE 18 GAUGE STEEL, MOUNTED ON FLOOR, COLOR SELECTION BY ARCHITECT.
2. PROVIDE ALL ACCESSORIES NEEDED FOR COMPLETE INSTALLATION. (FIELD VERIFY COVER LENGTH REQUIRED)
3. FIN TUBE SELECTIONS BASED ON 170° AVERAGE WATER TEMP AND 20° WTD, 65° EAT, 35% ETHYLENE GLYCOL/WATER MIXTURE.
4. MANUFACTURER: SLANT/FIN
5. TAGS ARE USED MORE THAN ONCE, REFER TO HEATING PLAN.

FT FLAT TOP
ST SLOPED TOP
W-W WALL TO WALL

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Architecture | Engineering
Interior Design | Industrial
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CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: BF
CHECKED BY: TC

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REGISTERED PROFESSIONAL ENGINEER
TYLER COULOMBE
PE-7452
DATE:05/11/2026
NORTH DAKOTA

DRAWING TITLE
MECHANICAL SCHEDULES

M801

Rev's Version: 2026
Plot Date: 5/11/2026 11:53:32 AM

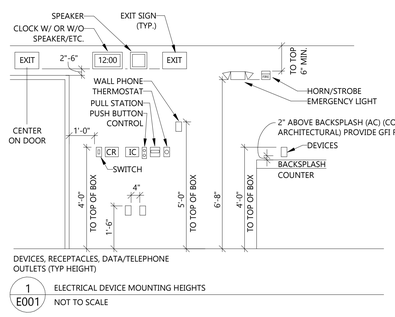
ELECTRICAL LEGEND

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THIS PROJECT

A	- APERES	FT	- FEET	OC	- ON CENTER
AC	- ABOVE COUNTER	FUT	- FUTURE	OCPD	- OVERCURRENT PROTECTION DEVICE
ACCU	- AIR COOLED CONDENSING UNIT	FURN	- FURNISHED	OD	- OUTSIDE DIMENSION, OUTSIDE DIAMETER
AF	- AMP-FUSE	FUS	- FUSE, FUSED, FUSIBLE	OH	- OVERHEAD
AFF	- ABOVE FINISHED FLOOR	GND	- GROUND	OL	- OUTLET, OVERLOAD
AHJ	- AUTHORITY HAVING JURISDICTION	GARB	- GARBAGE DISPOSAL	OP	- OPERATOR
AHU	- AIR HANDLING UNIT	GC	- GENERAL CONTRACTOR	PC	- PHOTO CONTROL
ALT	- ALTERNATE	GEN	- GENERATOR	Ø, PH	- PHASE
AL	- ALUMINUM	G/GFI	- GROUND FAULT CIRCUIT INTERRUPTER	P.H.	- PENTHOUSE
AMP	- AMPLIFIER	GFP	- GROUND FAULT PROTECTION	PNL	- PANEL,PANEL BOARD
ANN	- ANNUNCIATOR	HD	- HEAVY DUTY	PR	- PAIR
ARCH	- ARCHITECT(URAL)	HID	- HIGH INTENSITY DISCHARGE	PRI	- PRIMARY
ATS	- AUTOMATIC TRANSFER SWITCH	HP	- HORSE POWER	PROJ	- PROJECTOR
AV	- AUDIO VISUAL	HPS	- HIGH PRESSURE SODIUM	PRV	- POWER ROOF VENT
AUX	- AUXILIARY	HOA	- HAND-OFF-AUTO	PS	- POWER SUPPLY
BFG	- BELOW FINISHED GRADE	HT	- HEIGHT	QTY	- QUANTITY
BK	- BLACK	HTR	- HEATER	REC	- RECESSED
BKR	- BREAKER	HVU	- HEATING & VENTILATING UNIT	RCVR	- RECEIVER
BR	- BRANCH	HW	- HOT WATER	RECPT	- RECEPTACLE
BTU	- BRITISH THERMAL UNIT	HWH	- HOT WATER HEATER	REF	- REFERENCE, REFER TO
CAB	- CABINET	ID	- INSIDE DIMENSION	REQ/RQD	- REQUIRE(D)
CALC	- CALCULATION	IDF	- INTERMEDIATE DISTRIBUTION FRAME	REV	- REVISION
CAT	- CATALOG	IN	- INCHES	REX	- REQUEST TO EXIT
CB	- CIRCUIT BREAKER	INB/OUT	- INBOARD/OUTBOARD	RLA	- RUNNING LOAD AMPS
CCT	- CIRCUIT	INCAND	- INCANDESCENT	RM	- ROOM
CFL	- COMPACT FLUORESCENT LIGHT	INFO	- INFORMATION	RTU	- ROOF TOP UNIT
CKT	- CIRCUIT	INST	- INSTALLATION	SC	- SHORT CIRCUIT
CLG/C	- CEILING	INSUL	- INSULATED/INSULATOR	SF	- SQUARE FEET
COMM	- COMMUNICATIONS	INV	- INVERTER	SHT	- SHEET
COMPR	- COMPRESSOR	JB	- JUNCTION BOX	SD	- SMOKE DAMPER
COND	- CONDUCTOR	KA	- THOUSAND AMPS	SP	- SUMP PUMP
CONN	- CONNECTION	KS	- KNEE SPACE	SPEC	- SPECIFICATION
CR	- CARD READER	L	- LAMP	SS	- STAINLESS STEEL
CT	- CURRENT TRANSFORMER	LCP	- LIGHTING CONTROL PANEL	STD	- STANDARD
CTR	- CENTER	LRA	- LOCKED ROTOR AMPS	SURF	- SURFACE MOUNT
CU	- COPPER	LTG	- LIGHTING	SW	- SWITCH
CUH	- CABINET UNIT HEATER	LTS	- LIGHTS	SWBD	- SWITCHBOARD
dB	- DECIBEL	LV	- LOW VOLTAGE	SYS	- SYSTEM
DED	- DEDICATED CIRCUIT	M,MAINT	- MAINTENANCE	TCC	- TEMPERATURE CONTROL CONTRACTOR
DEV	- DEVICE	MAU	- MAKE UP AIR UNIT	TCP	- TEMPERATURE CONTROL PANEL
DIA	- DIAMETER	MAX	- MAXIMUM	TD	- TIME DELAY
DISC	- DISCONNECT	MC	- MECHANICAL CONTRACTOR	TEL	- TELEPHONE
DISP	- DISPOSAL	MCA	- MINIMUM CIRCUIT AMPS	TEMP	- TEMPORARY, TEMPERATURE
DISTR	- DISTRIBUTION	MCB	- MAIN CIRCUIT BREAKER	TP	- TAMPERPROOF
DN	- DOWN	MCC	- MOTOR CONTROL CENTER	TS	- TIMESWITCH
DTL	- DETAIL	MDF	- MAIN DISTRIBUTION FRAME	STAT	- THERMOSTAT
DWG	- DRAWING	MDP	- MAIN DISTRIBUTION PANEL	TV	- TELEVISION
EC	- ELECTRICAL CONTRACTOR	MICRW	- MICROWAVE	TVSS	- TRANSIENT VOLTAGE SURGE SUPPRESSOR
EF	- EXHAUST FAN	MFR	- MANUFACTURER	TYP	- TYPICAL
EL	- ELECTRICAL, ELECTRIC	MFS	- MAXIMUM FUSE SIZE	UG	- UNDER GROUND
ELEV	- ELEVATOR, ELEVATION	MH	- METAL HALIDE, MOUNTING HEIGHT, MANHOLE	UH	- UNIT HEATER
EM	- EMERGENCY	MIN	- MINIMUM	UNO	- UNLESS NOTED OTHERWISE
EQ	- EQUAL, EQUIPMENT	MLO	- MAIN LUGS ONLY	UNV	- UNIVERSAL
ERU	- ENERGY RECOVER UNIT	MOP	- MAX OVERCURRENT PROTECTION	UTIL	- UTILITY
EUH	- ELECTRIC UNIT HEATER	MSB	- MAIN SWITCHBOARD	UTP	- UNSHIELDED TWISTED PAIR
EWC	- ELECTRIC WATER COOLER	MATL	- MATERIAL	V	- VOLT
EWH	- ELECTRIC WATER HEATER	MTR	- MOTOR OR METER	VA	- VOLT-AMP
EX	- EXISTING	N	- NEUTRAL	VAV	- VAV BOX
EXH	- EXHAUST	NA	- NOT APPLICABLE	VERT	- VERTICAL
EXPL	- EXPLOSION PROOF	NC	- NORMALLY CLOSED	VFD	- VARIABLE FREQUENCY DRIVE
F	- FUSE OR FRONT	NEC	- NATIONAL ELECTRICAL CODE	WG	- WIREGUARD
°F	- DEGREES FAHRENHEIT	NF	- NON FUSED	WC	- WATER CLOSET
FD	- FIRE DAMPER	NIC	- NOT IN CONTRACT	WTR-HTR	- WATER HEATER
FIXT	- FIXTURE, LUMINAIRE	NL	- NIGHT LIGHT	WP	- WEATHERPROOF, NEMA 3R IF ENCLOSURE
FLA	- FULL LOAD AMPERES	N.O	- NORMALLY OPEN	W/	- WITH
FL	- FLOOR	NORM	- NORMAL(LY)	W/O	- WITHOUT
FO	- FIBER OPTICS	NTS	- NOT TO SCALE	XFMR	- TRANSFORMER

ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.



1 E001 ELECTRICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE

ELECTRICAL MOUNTING HEIGHT NOTES:

A. HEIGHTS SHOWN ARE TYPICAL TO BOTTOM OF DEVICE UNLESS NOTED OTHERWISE.

B. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER ALL ELEVATIONS SHOWN OR INDICATED ON ELECTRICAL DRAWINGS.

C. INSTALL FIRE ALARM NOTIFICATION APPLIANCES AT 80" AFF, OTHERWISE INSTALL AT 6" BELOW CEILING, WHICH EVER IS LOWER.

D. VERIFY EXIT LIGHT HEIGHTS WITH ARCHITECT.

E. TYPICAL HEIGHTS SHOWN, HEIGHTS ON PLANS SHALL GOVERN OVER THESE. DEVICES WITH KNOW OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO COUNTERTOPS & SHELVING MAY REQUIRE A LOWER HEIGHT, VERIFY WITH ARCHITECT/ENGINEER.

F. SYMBOLS NOT SHOWN SHALL BE VERIFIED WITH ARCHITECT/ENGINEER.

POWER

RECEPTACLES

SUB	DUPLEX RECEPTACLE - 20A, 120V
SUB	ISOLATED GROUND
SUB	SINGLE RECEPTACLE
SUB	DOUBLE DUPLEX RECEPTACLE-20A, 120V
SUB	HALF-SWITCHED RECEPTACLE-20A, 120V
SUB	SPECIAL RECEPTACLE
SUB	BOX SURROUNDING DEVICE DEPICTS FLOOR MOUNTED
	EMERGENCY DUPLEX - 20A, 120V
	EMERGENCY DOUBLE DUPLEX -20A, 120V
DF	DEAD FRONT GFCI DEVICE
	SUB= SUBSCRIPT AS FOLLOWS: AC-ABOVE COUNTER CLG-CEILING OUTLET EM-EMERGENCY EWC-ELECTRIC WATER COOLER F-FLOOR G-GROUND FAULT INTERRUPTER H-HORIZONTALLY MOUNTED P-PLUG MOLD S-SURFACE MOUNTED SS-SURGE SUPPRESSION TP-TAMPER PROOF U-RECEPTACLE W/ USB TYPE A & C CONNECTOR W-WELDING WP-WEATHER PROOF XP-EXPLOSION PROOF XX-NUMBER INDICATES CIRCUIT NUMBER -WALL MOUNTED HEIGHTS UNLESS NOTED OTHERWISE

JUNCTION BOXES

J	JUNCTION BOX
FJ	FLOOR MOUNTED JUNCTION BOX
LJ	LARGE JUNCTION BOX
HD	HAND DRYER

MOTORS & HVAC EQUIPMENT & CONTROLS

#	MOTOR-# INDICATES MOTOR NUMBER
XX	SMALL MOTOR-XX LETTERS INDICATE SERVICE SUB AS FOLLOWS: EF-BATHROOM EXHAUST FAN GD-GARBAGE DISPOSAL HD-HAND DRYER WH-WATER HEATER
$M	MANUAL MOTOR STARTER
$OL	MANUAL MOTOR DISCONNECT W/THERMAL PROTECTION
	MAGNETIC MOTOR STARTER
	STARTER/DISCONNECT COMBINATION UNIT
	DISCONNECT SWITCH
TCP	TEMPERATURE CONTROL PANEL
T	THERMOSTAT
R	RELAY
C	MAGNETIC CONTACTOR
	EMERGENCY SHUNT TRIP

PANELS/EQUIPMENT

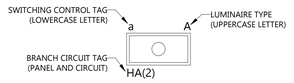
MDP	MAIN DISTRIBUTION PANEL
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
T	DRY TRANSFORMER
MCC	MOTOR CONTROL CENTER
M M	METER
H	ELECTRIC HEATER/REHEATER
BB	BACK BOX FOR FUTURE WIRING DEVICE

RACEWAY

A-1,3,5	HOMERUN-TEXT DESIGNATES PANEL AND CIRCUIT BREAKER NUMBER. HASH MARKS INDICATE NUMBER OF #12 AWG CONDUCTORS IN A 3/4" CONDUIT. NO HASH MARKS INDICATE 2# 12 AWG IN A 3/4" CONDUIT UNLESS NOTED OTHERWISE. PROVIDE A CODE SIZED GROUND IN EACH CONDUIT.
	SURFACE RACEWAY - RECEPTACLES
	SURFACE RACEWAY - DATA/TELEPHONE
	CONDUIT STUB
	CONDUIT UP
	CONDUIT DOWN
	EXPLOSION PROOF SEAL OFF
	FLEX CONDUIT
	CONDUIT/BRANCH CIRCUIT
	CABLE TRAY

LIGHTING

LUMINAIRE IDENTIFICATION LEGEND



INTERIOR LIGHTING

ALL LIGHTING FIXTURES ARE IDENTIFIED BY A LETTER(S) COORDINATE WITH LUMINAIRE SCHEDULE AS TO THE FIXTURES: IDENTIFICATION, MANUFACTURER, CATALOG NUMBER, LAMPS, MOUNTING, LOCATION AND COMMENTS.

	RECESSED TROFFER
	RECESSED TROFFER EMERGENCY
	SURFACE MOUNTED LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXT EMERGENCY
	RECESSED LED STRIP LIGHT
	RECESSED LED STRIP LIGHT EMERGENCY
	PENDANT MOUNTED
	PENDANT MOUNTED EMERGENCY
	UNDER CABINET
	WALL MOUNTED FIXTURE
	STRIP LIGHT OR INDUSTRIAL FIXTURE
	RECESSED DOWN LIGHT EMERGENCY
	RECESSED DOWN LIGHT
	RECESSED DOWN LIGHT WALL WASH
	WALL MOUNTED FIXTURE
	WALL MOUNTED FIXTURE EMERGENCY
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT MOUNT FIXTURE

EXIT - EMERGENCY

	WALL MOUNTED EXIT LIGHT
	CEILING MOUNTED EXIT LIGHT
	SURFACE MOUNTED EMERGENCY LIGHT
	RECESSED EMERGENCY LIGHT
	REMOTE HEAD FOR EMERGENCY FIXTURE
	COMBINATION EXIT/EMERGENCY

SPECIAL LIGHTING

	TRACK LIGHTING
	COMBINATION FAN/LIGHT

EXTERIOR/SITE

	POLE WITH LIGHT FIXTURE(S) FIXTURE SHOWN DEFINE QUANTITY AND ORIENTATION
	POST TOP FIXTURE
	BOLLARD
	SPOT LIGHT
	FLOOD LIGHT

LIGHTING CONTROL

$SUB	SINGLE POLE SWITCH, 120V, 20A SUB= SUBSCRIPT AS FOLLOWS: NONE-SINGLE-POLE, 120V, 20A 2-TWO-POLE, 120V, 20A 3-THREE-WAY, 120V, 20A 4-FOUR-WAY, 120V, 20A F-FUSED K-KEYED TYPE L-LIGHTED TOGGLE LV-LOW VOLTAGE P-PILOT LIGHT T-TIMER WP-WEATHERPROOF WF-WEATHERPROOF FUSED SWITCH
D	LINE VOLTAGE DIMMER
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
DH	DAYLIGHT SENSOR
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
OD	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRAL DIMMING
OS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF SWITCH
$	DIGITAL SWITCH (CAT6)
D	DIGITAL DIMMER (CAT6)
#	WALL MOUNTED MULTI-BUTTON SWITCH, # TO INDICATE QUANTITY OF BUTTONS (CAT6)
TS	TOUCH SCREEN (CAT6)
OS	DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (CAT6)
NB	DIGITAL NETWORK BRIDGE TIE TO DIGITAL LIGHTING CONTROL SYSTEM (CAT6)
PT	PARTITION SENSOR EMITTER AND RECEIVER
POE	DIGITAL UL 924 DEVICE (CAT6)
DH	DIGITAL DAYLIGHT SENSOR
RC#	DIGITAL DIMMING ROOM CONTROLLER, # INDICATES QUANTITY OF RELAYS (CAT6)
PDL	PLUG LOAD CONTROLLER (CAT6)
RG	RGB DMX TOUCHSCREEN CONTROLLER
PP	POWER PACK

SYSTEMS

TELEPHONE/DATA

SUB	DATA SUB= SUBSCRIPT AS FOLLOWS: #-INDICATES NUMBER OF OUTLETS
SUB	DATA/VOICE OUTLET SUB= SUBSCRIPT AS FOLLOWS: #D/#V-INDICATES # & TYPE OF OUTLETS
	DATA/VOICE/QUADPLEX FLOOR BOX
	DATA/VOICE/DUPLEX FLOOR BOX
CLG	DATA OUTLET CEILING
	DATA OUTLET FLOOR BOX
	DATA/VOICE OUTLET FLOOR BOX
SUB	VOICE OUTLET SUB= SUBSCRIPT AS FOLLOWS: M-VOICE OUTLET/MULTI P-VOICE OUTLET/PUBLIC W-VOICE OUTLET/WALL
WAP (W)	WIRELESS ACCESS POINT
TCC	TERMINAL CABINET
CPP	DIGITAL COMMUNICATIONS PATCH PANEL VOICE/DATA/VIDEO
TTB/D	TELEPHONE TERMINAL BLOCK UTILITY DEMARK
	3/4" PLYWOOD BACKBOARD W/ 2 COATS RETARDANT
	EQUIPMENT RACK - FREE STANDING
	EQUIPMENT RACK - WALL MOUNTED

PAGING/SOUND/DATA/SURVEILLANCE

S SUB S SUB	SPEAKER - CEILING MOUNTED SPEAKER - WALL MOUNTED SUB= SUBSCRIPT AS FOLLOWS: H-HORN SPEAKER N-NURSE CALL P-SPEAKER WITH PUSHBUTTON WG-WIREGUARD WP-WEATHERPROOF
E	SOUND MASKING SYSTEM EMITTER
MI	MASTER INTERCOM AND DIRECTORY UNIT
M	MICROPHONE OUTLET
VC	VOLUME CONTROL
IC SUB	INTERCOM HANDSET SUB= SUBSCRIPT AS FOLLOWS: DM-DESK MOUNTED M-MASTER MD-MASTER DESK MOUNT W-WALL MOUNTED
A SUB	AUXILIARY INPUT SUB= SUBSCRIPT AS FOLLOWS: I-INPUT O-OUTPUT
VB	VIDEO OUTLET
SPP	SOUND SYS. PATCH PNL
TV	TELEVISION OUTLET

DOOR SECURITY/SECURITY EXIT

	PUSHBUTTON
	HAND STATION (NORMALLY PUSH BUTTONS)
	BELL SUB= SUBSCRIPT AS FOLLOWS: B-BUZZER D-DOOR CHIME/BELL E-ELEVATOR CHIME P-PROGRAM BELL
DO	DOOR OPENER
K	DOOR KEYPAD
FP	FINGER PRINT SCANNER
ES	ELECTRIC STRIKE DOOR LATCH
MD	MOTION DETECTOR
BG	BREAK GLASS DETECTOR
	SECURITY CAMERA SUB= SUBSCRIPT AS FOLLOWS: HS-HIGH SECURITY C-CEILING PTZ-PAN TILT ZOOM W-WALL WP-WEATHERPROOF
	SECURITY CAMERA - WALL MOUNTED
SMON	SECURITY MONITOR
IC	INTERCOM
DC	SECURITY DOOR CONTACTS
CR SUB	CARD READER SUB= SUBSCRIPT AS FOLLOWS: I-INTERCOM WP-WEATHERPROOF
REX	REQUEST TO EXIT SENSOR
P	PANIC BAR
ML	MAGNETIC LOCK
CCTV	CCTV CABLE OUTLET
W	WANDER GUARD

CLOCK/PROGRAM

C C	WALL MOUNTED CLOCK SUB= SUBSCRIPT AS FOLLOWS: B-WITH BUZZER R-RECESSED WG-WITH WIREGUARD
MC	MASTER CLOCK
TC	TIME CLOCK
CS	CLOCK WITH SPEAKER

SYSTEMS

FIRE ALARM

FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
F SUB	FIRE ALARM AUDIO DEVICE SUB= SUBSCRIPT AS FOLLOWS: WG-WIREGUARD WP-WEATHERPROOF S-SPEAKER
F SUB	FIRE ALARM AUDIO/VISUAL SUB= SUBSCRIPT AS FOLLOWS: WG-WIREGUARD MH-MINI-HORN H-HORN WP-WEATHERPROOF S-SPEAKER
F	MANUAL PULL STATION
F	FIRE ALARM VISUAL SUB= SUBSCRIPT AS FOLLOWS: NO SUB-75 CANDELA
S SUB	AUTOMATIC SMOKE DETECTOR SUB= SUBSCRIPT AS FOLLOWS: ID-IONIZATION E-ELEVATOR RECALL L-LOCAL SC-SELF CONTAINED LSR-LASER WG-WIRE GUARD D-DUCT SMOKE DETECTOR W/2 AUX CONTACTS CO-COMBINATION CO DETECTOR SB-SOUNDER BASE
S	AUTOMATIC SMOKE DETECTOR-WALL MOUNT
SUB	AUTOMATIC HEAT DETECTOR-CEILING MOUNT SUB= SUBSCRIPT AS FOLLOWS: NONE-FIXED TEMP & 135°F RATE OF RISE F-FIXED TEMP 190°F
IAM	INDIVIDUAL ADDRESSABLE MODULE
LED	REMOTE INDICATOR
M	FIRE ALARM MAGNETIC DOOR HOLDER
TS	MAIN SPRINKLER VALVE SUPERVISION TAMPER SWITCH
FS	SPRINKLER OR HOSE FLOW ALARM SWITCH
FAR	FIRE ALARM RELAY
FR	FIRE ALARM SHUTDOWN RELAY
NAC	NOTIFICATION APPLIANCE CIRCUIT PANEL
ZAM	ZONE ADAPTER MODULE
	FIRE ALARM BELL
TRP	TRANSPONDER
FAJB	FIRE ALARM JUNCTION BOX
B SUB	BEAM DETECTOR SUB= SUBSCRIPT AS FOLLOWS: S-SENDING UNIT R-RECEIVER
PS	LOW PRESSURE SWITCH

NURSE CALL

NMC	NURSE CALL MASTER CONSOLE
NCT	NURSES CALL TERMINAL CABINET
SP	SINGLE PATIENT BED STATION
DP	DOUBLE PATIENT BED STATION
D	FOUR LAMP CORRIDOR LIGHT
BI	BED INTERFACE KIT
DC	DOMELESS CONTROLLER
DS	DUTY STATION
BM	FIVE BED STATION
CP	I-DOME STAFF ALERT
PC	PULL CORD
PB	PUSH BUTTON
SA	STAFF ASSIST STATION
CB	CODE BLUE STATION
SR	STAFF REGISTRATION
SB	STAFF ASSIST / CODE BLUE
S N	SPEAKER
ST	STAFF TERMINAL

MISCELLANEOUS

	GROUND/ROD CONNECTION POINT
CO	CARBON MONOXIDE DETECTORS SUB=SUBSCRIPT AS FOLLOWS: A-AUDIBLE ALARM L-LOCAL V-VISUAL
OE	OVERHEAD ELECTRICAL
UE	UNDERGROUND ELECTRICAL
	GUY WIRE
	POST
	FAN
PP	EXTERIOR UTILITY POWER POLE
PP T	EXTERIOR UTILITY POWER POLE W/XFMR
SCP	SOUND CONTROL PANEL
LCP	LIGHTING CONTROL PANEL

REFERENCE SYMBOLS

N/E	POINT OF CONNECTION (NEW TO EXISTING)
1 E100	SECTION NUMBER / DRAWING NUMBER; ENCLOSE THE ENLARGED AREA
AREA A / AREA B	MATCH LINE -/--- VIEW REFERENCE -/--- VIEW REFERENCE
AREA B	-/--- VIEW REFERENCE OF ADJACENT SHEET
XX XXX XX	ROOM NAME / ROOM NUMBER
1 E200	DETAIL DESIGNATION / DETAIL NUMBER / DRAWING NUMBER
2 E200	SECTION DESIGNATION / SECTION NUMBER / DRAWING NUMBER
1	REFERENCE NOTE
1	REVISION NUMBER
	REVISION INDICATOR
1 2 3 4	INTERIOR ELEVATION DRAWING NUMBER ELEVATION NUMBER

NOTE:
NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

PROJECT NOTES:

A. ALL RUNS CONCEALED UNLESS NOTED OTHERWISE

B. VERIFY ALL LOCATIONS WITH ARCH.

C. VERIFY ALL COLORS WITH ARCH.

D. PROVIDE SLEEVES FOR ALL CABLING & CONDUITS INCLUDING THOSE FOR USE OF OWNER & HIS OTHER CONTRACTORS. COORDINATE WITH OTHER TRADES & OTHER CONTRACTORS. OBTAIN LOCATIONS FROM THEM.

E. PROVIDE ALL SLEEVES THROUGH WALLS, FLOORS, CEILINGS & ACROSS SOLID CEILING AREAS. COORDINATE INSTALLATION OF SLEEVES TO ACCOMMODATE MULTIPLE SYSTEMS, I.E.; VOICE, DATA, SECURITY, CCTV, SPEAKER, MICROPHONE, LINE LEVEL AUDIO, VIDEO & CONTROL WIRING.

F. ALL SYSTEMS IN CONDUIT UNO. CONDUITS SIZED TO CODE OR LARGER

G. COMPLY WITH APPLICABLE STANDARDS & CODES.

H. NOT EVERY PART OF EVERY SYSTEM IS SHOWN. PROVIDE COMPLETE SYSTEMS PROPERLY OPERATING TO OWNER SATISFACTION.

I. ALL FINAL COLORS, FINISHES, MATERIAL SELECTIONS, TRIMS, HARDWARE AND ACCESSORIES, SHALL BE DETERMINED BY ARCHITECT. SUBMIT SHOP DRAWINGS AND SAMPLES.

J. EC SHALL PROVIDE ALL FIRE STOPPING PER SPECIFICATIONS IN OTHER DIVISIONS. ALSO SEAL ALL ELECTRICAL PENETRATIONS THROUGH SMOKE AND OR FIRE PENETRATIONS AS SHOWN ON THE ARCHITECTURAL PLANS.

K. TEST ALL SYSTEMS TO OWNER'S SATISFACTION IN THE PRESENCE OF OWNER'S FIELD REPRESENTATIVE.

L. SATISFY APPLICABLE CODES.

M. LABEL EVERYTHING.

N. PROVIDE PULL CORDS IN EMPTY CONDUITS.

O. SUBMIT SHOP DWGS FOR ALL ITEMS.

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CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: ML
CHECKED BY: LS

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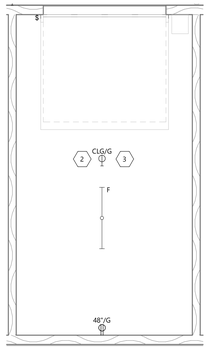
REGISTERED PROFESSIONAL ENGINEER
LEONARD S. SCHAFF
PE-2044
DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
ELECTRICAL SYMBOLS & ABBREVIATIONS LEGEND

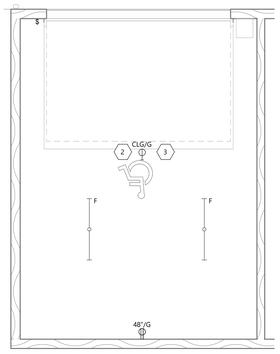
E001

Revit Version: 2026
Print Date: 5/11/2026 4:02:23 PM



5 E100 TYPICAL SINGLE GARAGE PLAN

1/4" = 1'-0"



4 E100 TYPICAL ACCESSIBLE GARAGE PLAN

1/4" = 1'-0"

GENERAL NOTES

A. ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.

B. ALL GARAGES SHALL BE PLACED UPON THEIR OWN CIRCUIT AND ATTACHED TO PANEL AS NOTED. UTILITY COORDINATION NOTES. SEE SCHEDULE.

COORDINATE WITH OTTERTAIL ELECTRIC UTILITY AND ARVIG TELECOMMUNICATIONS UTILITY ON SERVICE REQUIREMENTS. EC SHALL COVER ALL INSTALLATION COSTS FROM UTILITY IN BASE BID.

- OTTERTAIL POWER COOPERATIVE:
  1. TYLER JACOBSON - (218) 739-8484
- ARVIG COMMUNICATIONS:
  1. TREVOR DAHL - (218) 346-8433

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

1. PROVIDE (2) 4" PVC CONDUIT TO UTILITY EASEMENT AT EDGE OF PROPERTY FOR DATA/CABLE/TELEPHONE ENTRY (VERIFY WITH UTILITY).
2. PROVIDE SINGLE RECEPTACLE OUTLET AT CEILING FOR OVERHEAD DOOR OPERATOR.
3. ROUTE TO GARAGE PANEL AS INDICATED. SEE GARAGE PANEL SCHEDULE.
4. UTILITY TRANSFORMER USE DETAIL SIMILAR TO 4/E100 EXCEPT USE WALL MOUNTED C/T CABINET.
5. COORDINATE FIXTURE LOCATION WITH ARCHITECT.
6. 3/4" CONDUIT TO BUILDING EXTERIOR SIGN FROM PANEL.

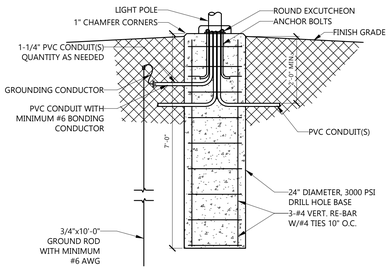
ELECTRICAL SITE COORDINATION:

THE LOCATION, CAPACITY, AND VOLTAGE OF THE LINES ARE ALL IN ACCORDANCE WITH DATA GIVEN THIS OFFICE BY THE UTILITY COMPANY. COORDINATE WITH THE LOCAL UTILITY COMPANY THE INSTALLATION OF THE ELECTRICAL SERVICE. COMPLY WITH UTILITY REGULATIONS. REPORT DISCREPANCIES TO THE ENGINEER.

ELECTRIC UTILITY

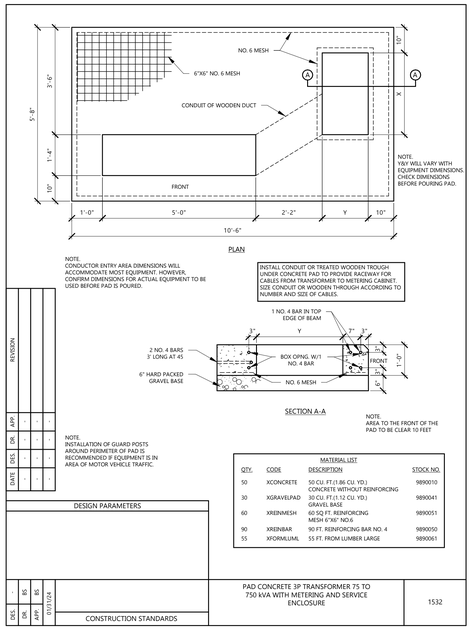
OTTERTAIL POWER COMPANY:
LACIE BLAKE
BEMIDJI, MN 56619
(218)-739-8272

COMMUNICATIONS UTILITY:
EC TO VERIFY



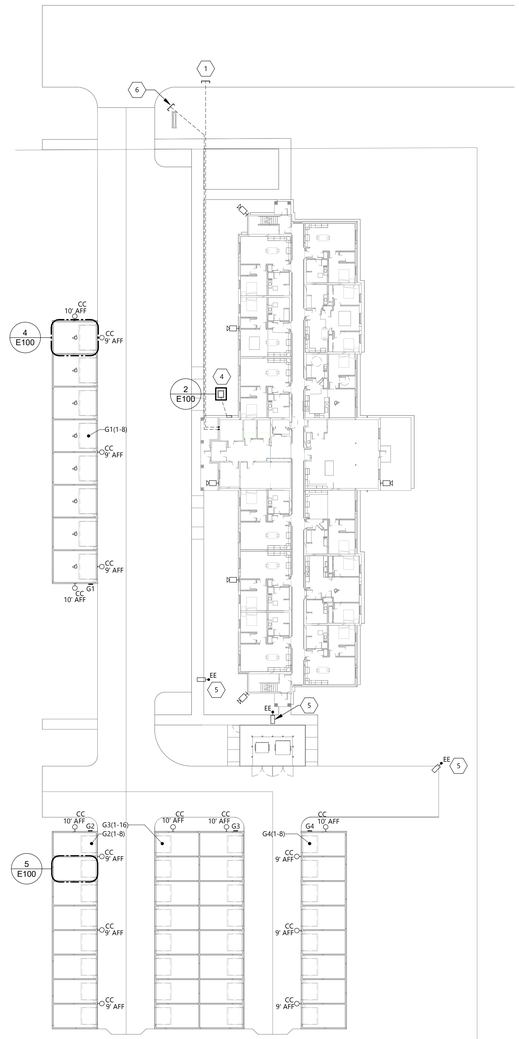
3 E100 LIGHT POLE BASE DETAIL

NOT TO SCALE



2 E100 TRANSFORMER PAD DETAIL

NOT TO SCALE



1 E100 ELECTRICAL SITE PLAN

1" = 30'-0"

N

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CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
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REGISTERED PROFESSIONAL ENGINEER
LEONARD S. SCHAFF
PE-2044
DATE: 05/11/2026
NORTH DAKOTA

DRAWING TITLE
ELECTRICAL SITE PLAN

E100

Revit Version: 2026
Plot Date: 5/11/2026 5:02:37 PM

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. ALL ELECTRICAL ITEMS OUTSIDE OF UNITS SHALL BE CIRCUITED TO PANEL H UNLESS NOTED OTHERWISE. USE CIRCUITED INDICATED.

C. ELECTRICAL ITEMS MARKED TV SHALL BE MOUNTED AT APPROXIMATELY 60". VERIFY LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

D. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

E. MOTION SENSORS SHALL BE DUAL TECHNOLOGY.

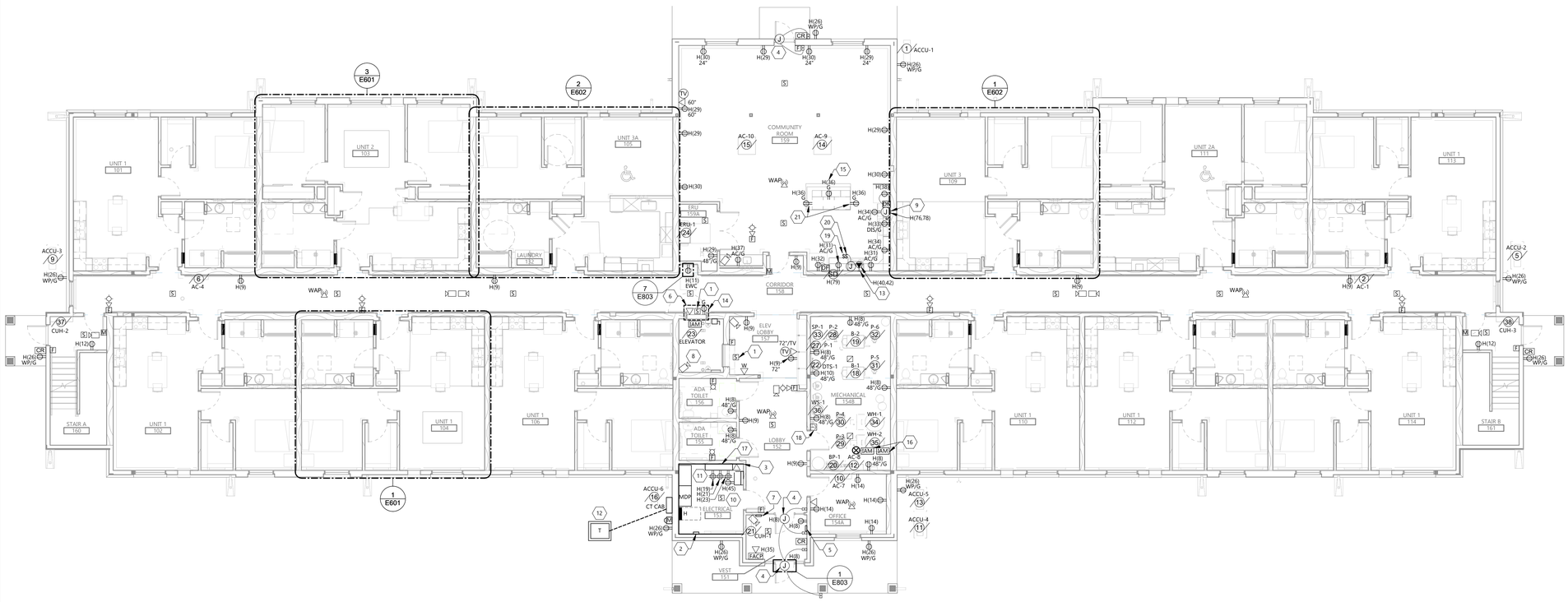
F. PROVIDE ALL CAMERAS AS SHOWN. USE CAT6 CABLE.

G. USE METER IN-USE COVERS FOR OUTSIDE RECEPTACLE.

KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

1. PROVIDE SMOKE DETECTOR FOR ELEVATOR CAPTURE.
2. TIME SWITCH SHALL BE INTERMATIC #V45471CR, 3 POLE, 120V TO CONTROL TYPE B FIXTURES IN CORRIDORS. PROVIDE RELAYS AS REQUIRED.
3. PROVIDE 8' HIGH 3/4" PAINTED FIRE RETARDANT PLYWOOD FOR MOUNTING TELEPHONE, DATA, DOOR ACCESS, ETC. PROVIDE ON ALL WALLS.
4. CONNECT AUTOMATIC DOORS AND PROVIDE SWITCH. WIRE AND INSTALL PUSH PADS.
5. MICRON TELEPHONE DIRECTOR. SEE 8/E302.
6. CAT6 TO INCOMING TELEPHONE LINE.
7. PROVIDE RATH #4200 RESCUE BASE STAT100 W/POWER SUPPLY. LOCATE POWER SUPPLY IN ELECTRICAL ROOM. SEE 2/E801.
8. CAMERA TO BE PROVIDED IN ELEVATOR COORDINATE WITH ELEVATOR PROVIDER ON LOCATION OF CAMERA.
9. CIRCUIT DISHWASHER TO H(76,78). WIRE USING (3)#6 & (1)#10 GND.
10. PROVIDE MINIMUM 24U WALL MOUNTED DATA RACK WITH PATCH PANELS. ROUTE ALL WAPS DATA, & CCTV OUTSIDE OF APARTMENT TO RACK.
11. ROUTE (2) CAT6 SHIELDED CABLES THRU ROOF AT TWO SEPARATE LOCATIONS USING 1-1/4" C. SEE ATTIC FLOOR PLAN 1/E204 FOR LOCATIONS.
12. LOCATE TRANSFORMER 10' AWAY FROM BUILDING ON ALL SIDES. (VERIFY W/UTILITY CO.)
13. PROVIDE 50 AMP RANGE RECEPTACLE .
14. MACHINELESS ROOM CONTROLLER.
15. 20AMP, GFI POPUP RECEPTACLE. VERIFY FINISH WITH ARCHITECT.
16. CONNECT SPRINKLER SYSTEM. PROVIDE (1) IAM FOR FLOW SWITCH & (1) IAM TO MONITOR ALL TAMPER SWITCHES.
17. PROVIDE DATA RACK FOR APARTMENT DATA & IN SIGNAL WIRING. PROVIDE PATCH PANELS AS REQUIRED.
18. PROVIDE RED MUSHROOM HANDLED PUSH BUTTON SWITCH TO SHUT-OFF BOILER SHUNT TRIP CIRCUIT BREAKERS.
19. CONNECT TO RANGE HOOD.
20. PROVIDE SWITCHES ON FACE OF CABINET TO CONTROL RANGE HOOD FAN & LIGHT.
21. PLACE RECEPTACLES ON MILLWORK.



1 E201 FIRST FLOOR POWER, SYSTEMS & FIRE ALARM PLAN

1/8" = 1'-0"

N

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION

BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN

STATE NORTH DAKOTA

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	05/11/2026
MARK	DESCRIPTION	DATE

PROJECT NO: 20245211

DRAWN BY: ML

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REGISTERED PROFESSIONAL ENGINEER
LEONARD S. SCHAFF
PE-2044
DATE: 05/11/2026
NORTH DAKOTA

DRAWING TITLE

FIRST FLOOR POWER, SYSTEMS & FIRE ALARM PLAN

E201

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. ALL ELECTRICAL ITEMS OUTSIDE OF UNITS SHALL BE CIRCUITED TO PANEL H UNLESS NOTED OTHERWISE. USE CIRCUITED INDICATED.

C. ELECTRICAL ITEMS MARKED TV SHALL BE MOUNTED AT APPROXIMATELY 60". VERIFY LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

D. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

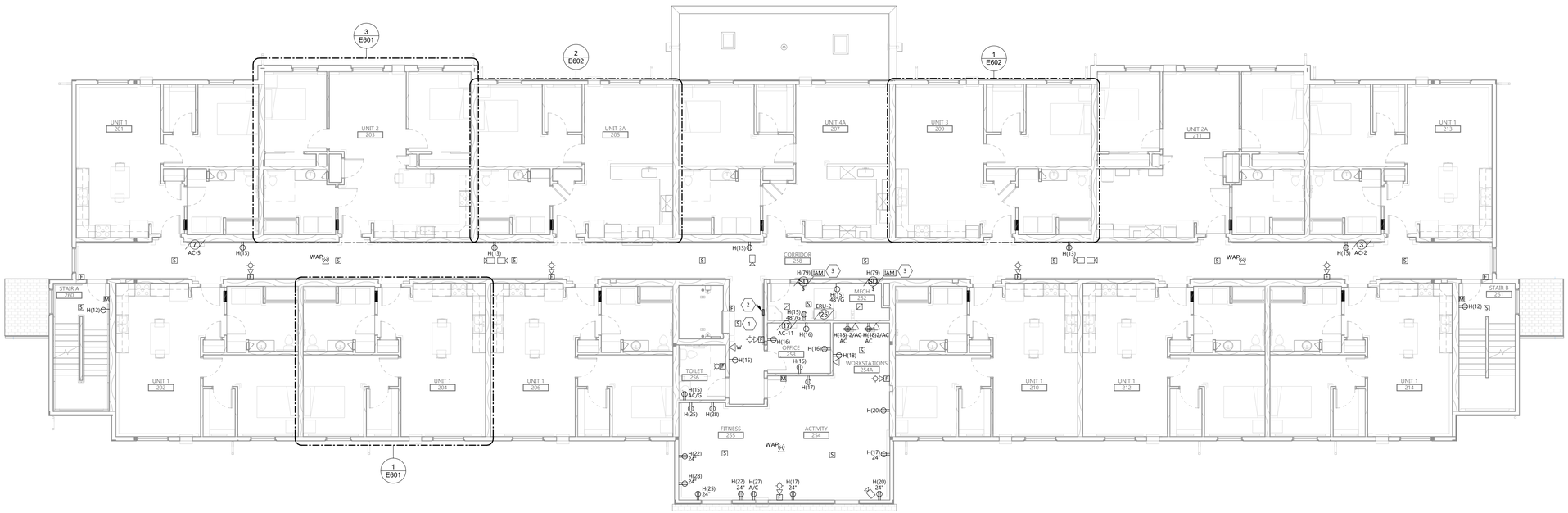
E. MOTION SENSORS SHALL BE DUAL TECHNOLOGY.

F. PROVIDE ALL CAMERAS AS SHOWN USE CAT6 CABLE.

KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

1. PROVIDE SMOKE DETECTOR FOR ELEVATION CAPTURE.
2. PROVIDE RATH 4200 AREA OF RESCUE CALL BOX. SEE 2/E801.
3. CONNECT SMOKE DAMPER & PROVIDE SWITCH. PROVIDE IAM TO CONTROL DAMPER.



SECOND FLOOR POWER, SYSTEMS & FIRE ALARM PLAN - BUFFALO

1 / E202 — 1/8" = 1'-0"

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PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
SECOND FLOOR POWER, SYSTEMS & FIRE ALARM PLAN

E202

Revit Version: 2026
Print Date: 5/11/2026 4:00:12 PM

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. ALL ELECTRICAL ITEMS OUTSIDE OF UNITS SHALL BE CIRCUITED TO PANEL H UNLESS NOTED OTHERWISE. USE CIRCUITED INDICATED.

C. ELECTRICAL ITEMS MARKED TV SHALL BE MOUNTED AT APPROXIMATELY 60". VERIFY LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

D. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

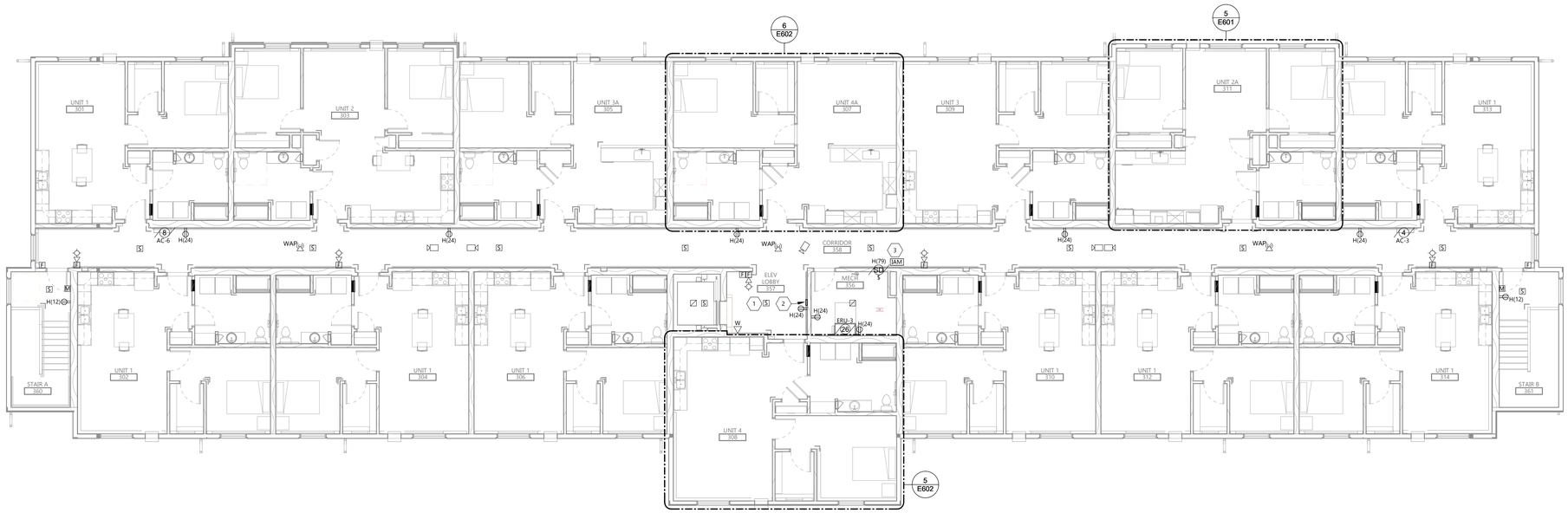
E. MOTION SENSORS SHALL BE DUAL TECHNOLOGY.

F. PROVIDE ALL CAMERAS AS SHOWN. USE CAT6 CABLE.

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

1. PROVIDE SMOKE DETECTOR FOR ELEVATOR CAPTURE.
2. PROVIDE RATH 4200 AREA OF RESCUE CALL BOX. SEE 2/E801.
3. CONNECT SMOKE DAMPER & PROVIDE SWITCH. PROVIDE IAM TO CONTROL DAMPER.



THIRD FLOOR POWER, SYSTEMS & FIRE ALARM PLAN - BUFFALO

1/8" = 1'-0"

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PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
THIRD FLOOR POWER, SYSTEMS & FIRE ALARM PLAN

E203

Revit Version: 2026
Plot Date: 5/11/2026 4:00:12 PM

GENERAL NOTES

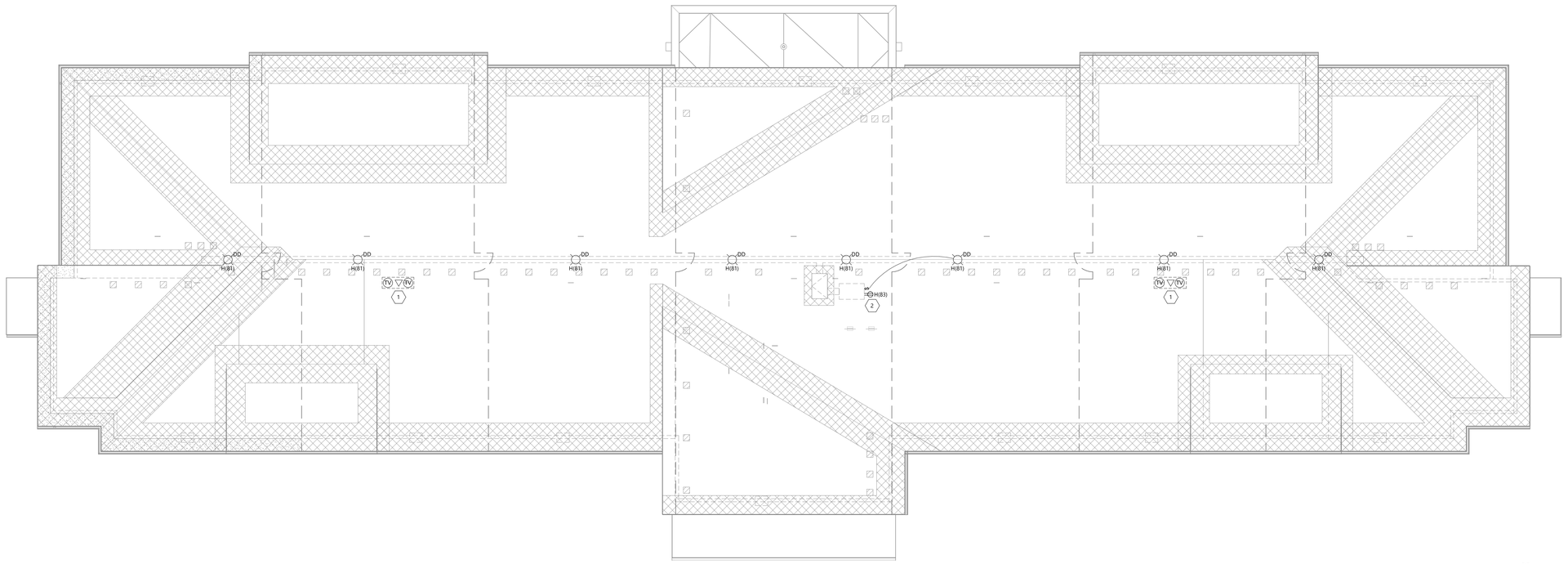
A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. PROVIDE #10 CONDUCTORS THROUGHOUT ALL 120V, 20A BRANCH CIRCUIT OF 100'-0" OR GREATER IN LENGTH.

KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

1. ROUTE TWO RG6 QUAD SHIELDED CABLES THRU ROOF USING 1-1/4" C. PROVIDE WEATHERHEAD. STUB DOWN INTO ROOM #153. VERIFY WITH OWNER PRIOR TO INSTALLATION. CAT6 CABLE BE SUBSTITUTED BY OWNER.
2. MOUNT NEAR ATTIC HATCH.



1 / E204 ELECTRICAL ATTIC PLAN - BUFFALO

1/8" = 1'-0"

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

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PE-2044
DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
ELECTRICAL ATTIC
POWER PLAN

E204

Revit Version: 2026
Plot Date: 5/11/2026 4:02:14 PM

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. LIGHTING ALL JUNCTION BOXES ABOVE ACCESSIBLE CEILING WITH INDELIBLE INK TO INICATE PANEL AND CIRCUIT.

C. LABEL ALL HOME RUNS WITH INDELIBLE INK TO INDICATE PANEL AND CIRCUIT.

D. PROVIDE APPROVED FIRE PROOFING MATERIALS / METHODS FOR CABLE PASSING THROUGH FIRE WALLS AND FLOORS.

E. LABEL ALL DEVICES INCLUDING SWITCHES, TO INDICATE PANEL AND CIRCUIT. USE ADHESIVE MYLAR TYPE.

F. PROVIDE #10 CONDUCTORS THROUGHOUT ALL 120V, 20A BRANCH CIRCUIT OF 100'-0" OR GREATER IN LENGTH.

G. PROVIDE ALL DEVICES AND ASSOCIATED WIRING AS SHOWN.

H. PER IBC 1013.2 WHERE EXIT SIGNS ARE REQUIRED IN GROUP R-1 OCCUPANCY BY SECTION 1013, ADDITIONAL LOW-LEVEL EXIT SIGNS SHALL BE PROVIDED IN ALL AREAS SERVING GUEST ROOMS IN GROUP R-1 OCCUPANCIES AND SHALL COMPLY WITH SECTION 1013.5 THE BOTTOM OF THE SIGN SHALL BE NOT LESS THEN 10 INCHES (254 MM) NOR MORE THAN 18 INCHES (455 MM) ABOVE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE DOOR OR WALL. WHERE MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4 INCHES (102 MM) OF THE DOOR FRAME ON THE LATCH SIDE.

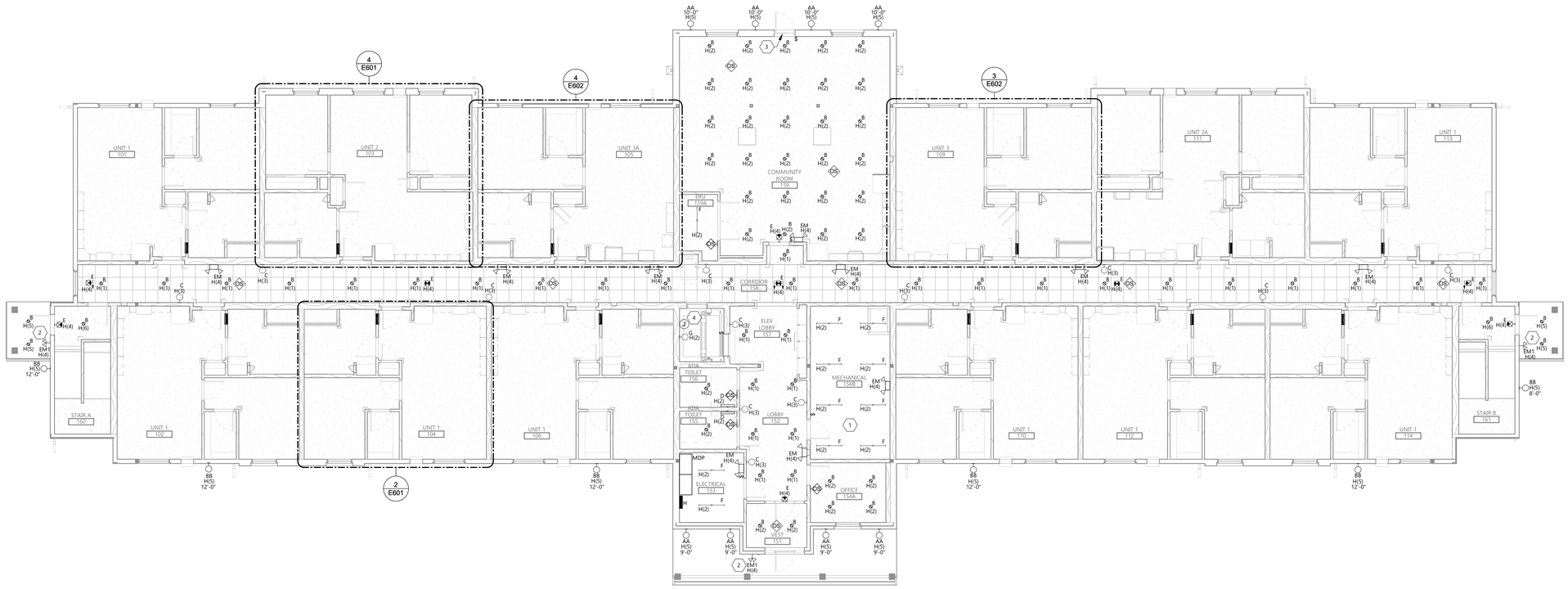
I. OCCUPANCY SENSORS ARE SHOWN FOR INTENT PURPOSES ONLY. LOCATION, SPACING, AND QUANTITY WILL DEPEND ON SELECTED MANUFACTURER.

J. WIRE TYPE B FIXTURES IN CORRIDOR THRU TIME SWITCH TO SHUT OFF DURING IN-ACTIVE HOURS. COORDINATE WITH FIXTURES ARE TO BE CONTROLLED.

KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

1. COORDINATE EXACT LUMINAIRE LOCATION WITH MECHANICAL EQUIPMENT THIS ROOM PRIOR TO ROUGH-IN.
2. REMOTE HEAD SHALL BE CONNECTED TO EMERGENCY BATTERY PACK.
3. NOT AN EMERGENCY EXIT DOOR.
4. PROVIDE 120V CONNECTION FOR ELEVATOR CAB LIGHTS.



1 E301 FIRST FLOOR LIGHTING PLAN - BUFFALO

1/8" = 1'-0"

N

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BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

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LEONARD S. SCHAFF
PE-2044
DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
FIRST FLOOR LIGHTING PLAN

E301

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. LIGHTING ALL JUNCTION BOXES ABOVE ACCESSIBLE CEILING WITH INDELIBLE INK TO INICATE PANEL AND CIRCUIT.

C. LABEL ALL HOME RUNS WITH INDELIBLE INK TO INDICATE PANEL AND CIRCUIT.

D. PROVIDE APPROVED FIRE PROOFING MATERIALS / METHODS FOR CABLE PASSING THROUGH FIRE WALLS AND FLOORS.

E. LABEL ALL DEVICES INCLUDING SWITCHES, TO INDICATE PANEL AND CIRCUIT. USE ADHESIVE MYLAR TYPE.

F. PROVIDE #10 CONDUCTORS THROUGHOUT ALL 120V, 20A BRANCH CIRCUIT OF 100'-0" OR GREATER IN LENGTH.

G. PROVIDE ALL DEVICES AND ASSOCIATED WIRING AS SHOWN.

H. PER IBC 1013.2 WHERE EXIT SIGNS ARE REQUIRED IN GROUP R-1 OCCUPANCY BY SECTION 1013, ADDITIONAL LOW-LEVEL EXIT SIGNS SHALL BE PROVIDED IN ALL AREAS SERVING GUEST ROOMS IN GROUP R-1 OCCUPANCIES AND SHALL COMPLY WITH SECTION 1013.5 THE BOTTOM OF THE SIGN SHALL BE NOT LESS THEN 10 INCHES (254 MM) NOR MORE THAN 18 INCHES (455 MM) ABOVE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE DOOR OR WALL. WHERE MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4 INCHES (102 MM) OF THE DOOR FRAME ON THE LATCH SIDE.

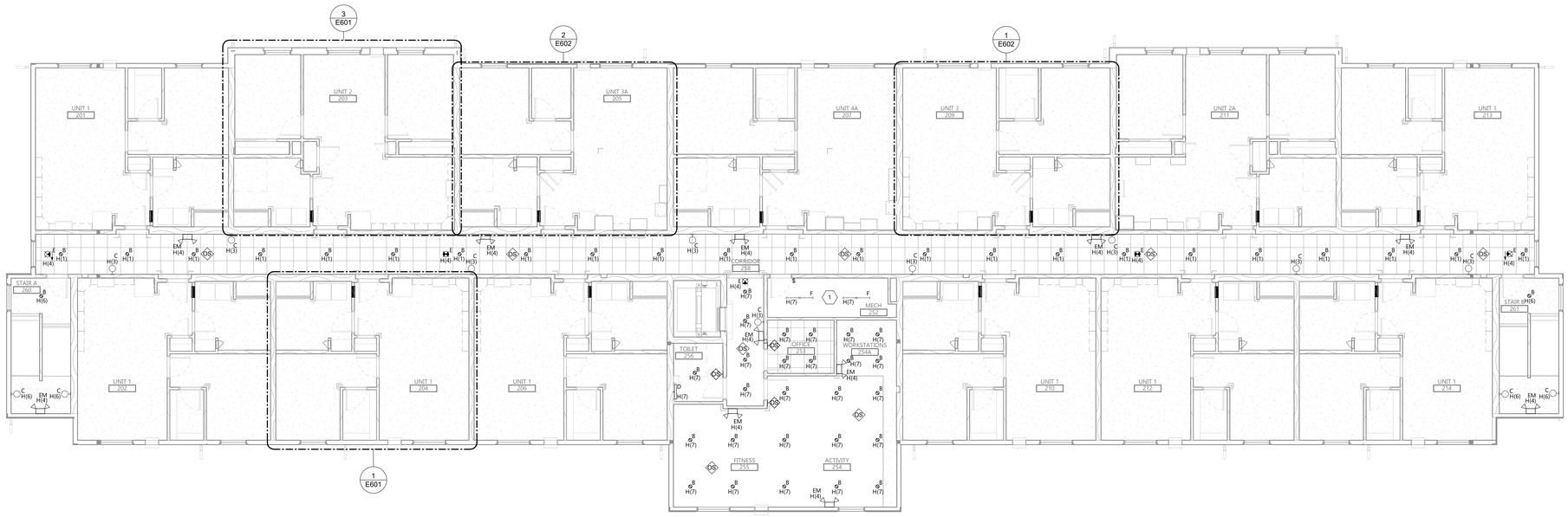
I. OCCUPANCY SENSORS ARE SHOWN FOR INTENT PURPOSES ONLY. LOCATION, SPACING, AND QUANTITY WILL DEPEND ON SELECTED MANUFACTURER.

J. WIRE TYPE B FIXTURES IN CORRIDOR THRU TIME SWITCH TO SHUT OFF DURING IN-ACTIVE HOURS. COORDINATE WITH FIXTURES ARE TO BE CONTROLLED.

KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

1. COORDINATE EXACT LUMINAIRE LOCATION WITH MECHANICAL EQUIPMENT THIS ROOM PRIOR TO ROUGH-IN.



1 E302 SECOND FLOOR LIGHTING PLAN - BUFFALO

1/8" = 1'-0"

N

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Architecture | Engineering
Interior Design | Industrial

TELEPHONE 701.461.7222

112 No.Roberts Street, Suite 300, Fargo ND 58102

www.eapc.net

CLIENT

BEYOND SHELTER, INC.

PROJECT DESCRIPTION

BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN

STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211

DRAWN BY: ML

CHECKED BY: LS

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REGISTERED PROFESSIONAL ENGINEER
LEONARD S. SCHAFF
PE-2044
DATE: 05/11/2026
NORTH DAKOTA

DRAWING TITLE

SECOND FLOOR
LIGHTING PLAN

E302

Revit Version: 2026
Plot Date: 5/11/2026 4:00:14 PM

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. LIGHTING ALL JUNCTION BOXES ABOVE ACCESSIBLE CEILING WITH INDELIBLE INK TO INICATE PANEL AND CIRCUIT.

C. LABEL ALL HOME RUNS WITH INDELIBLE INK TO INDICATE PANEL AND CIRCUIT.

D. PROVIDE APPROVED FIRE PROOFING MATERIALS / METHODS FOR CABLE PASSING THROUGH FIRE WALLS AND FLOORS.

E. LABEL ALL DEVICES INCLUDING SWITCHES, TO INDICATE PANEL AND CIRCUIT. USE ADHESIVE MYLAR TYPE.

F. PROVIDE #10 CONDUCTORS THROUGHOUT ALL 120V, 20A BRANCH CIRCUIT OF 100'-0" OR GREATER IN LENGTH.

G. PROVIDE ALL DEVICES AND ASSOCIATED WIRING AS SHOWN.

H. PER IBC 1013.2 WHERE EXIT SIGNS ARE REQUIRED IN GROUP R-1 OCCUPANCY BY SECTION 1013, ADDITIONAL LOW-LEVEL EXIT SIGNS SHALL BE PROVIDED IN ALL AREAS SERVING GUEST ROOMS IN GROUP R-1 OCCUPANCIES AND SHALL COMPLY WITH SECTION 1013.5 THE BOTTOM OF THE SIGN SHALL BE NOT LESS THEN 10 INCHES (254 MM) NOR MORE THAN 18 INCHES (455 MM) ABOVE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE DOOR OR WALL. WHERE MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4 INCHES (102 MM) OF THE DOOR FRAME ON THE LATCH SIDE.

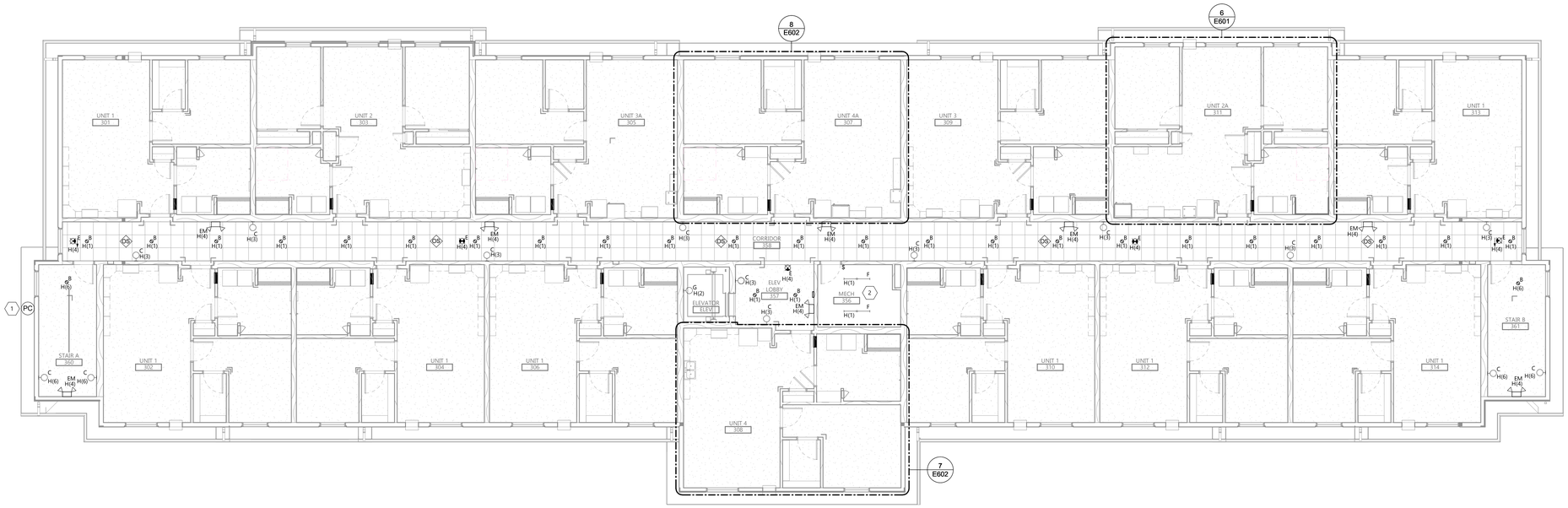
I. OCCUPANCY SENSORS ARE SHOWN FOR INTENT PURPOSES ONLY. LOCATION, SPACING, AND QUANTITY WILL DEPEND ON SELECTED MANUFACTURER.

J. WIRE TYPE B FIXTURES IN CORRIDOR THRU TIME SWITCH TO SHUT OFF DURING IN-ACTIVE HOURS. COORDINATE WITH FIXTURES ARE TO BE CONTROLLED.

KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

1. PROVIDE A PHOTOCELL FOR EXTERIOR LIGHTING CONTROL. INTERMATIC #K4321C/LV13152 PHOTO SWITCH MOUNTED HIGH ON BUILDING AND PLACE SO AS TO NOT BE EFFECTED BY BUILDING LIGHTING.
2. COORDINATE EXACT LUMINAIRE LOCATION WITH MECHANICAL EQUIPMENT THIS ROOM PRIOR TO ROUGH-IN.



1 E303 THIRD FLOOR LIGHTING PLAN - BUFFALO

1/8" = 1'-0"

N

Revit Version: 2026
Plot Date: 5/11/2026 4:02:13 PM

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MARK	DESCRIPTION	DATE
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PE-2044
DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
THIRD FLOOR
LIGHTING PLAN

E303

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

C. MOUNT RECEPTACLES ABOVE COUNTER WHERE NOTED 'AC'.

D. USE 3#8 +GND FOR RANGE & 3#10 +GND FOR DRYER. PROVIDE CORD AND PLUG. USE 2# 8 + GND FOR COOKTOP & 2#12+GND FOR WALL OVEN. DIRECT CONNECT THESE UNITS.

E. PROVIDE (2) TWO GANG PLASTER RINGS WITH BLANK COVERS IN EACH UNITS LINEN CLOSET. ONE FOR DATA & INTERNET. SEE KEY NOTE #12.

F. ALL ELECTRICAL WIRING IN APARTMENTS SHALL BE INSTALLED WITH TYPE NM CABLE USE #12 OR LARGER AS REQUIRED.

G. ALL DEVICES ABOVE COUNTERTOP IN KITCHEN SHALL BE MOUNTED SUCH THAT BOTTOM OF DEVICE COVERS IS 2" ABOVE BACKSLASH.

H. LOCATION OF CLOTHES WASHER & DRYER VARY. SEE ARCHITECTURAL SHEETS TO VERIFY LOCATION & ADJUST RECEPTACLES AS REQUIRED.

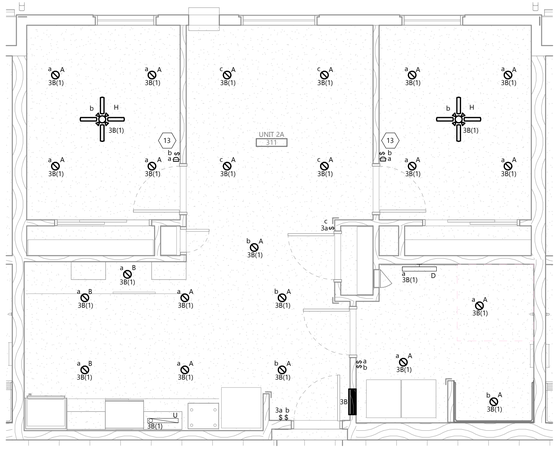
I. MOUNT UNIT ELECTRICAL PANEL SO THAT THE TOP OF THE PANEL IS 48" ABOVE FINISHED FLOOR. HANDICAP UNITS ONLY.

J. SMOKE DETECTORS IN APARTMENT UNITS SHALL BE SYSTEM TYPE DETECTORS WITH LOW FREQUENCY SOUNDER BASE. PROGRAM SOUNDER BASE & A/V DEVICE TO SOUND ONLY IN UNIT IN WHICH DETECTOR IS ACTUATED.

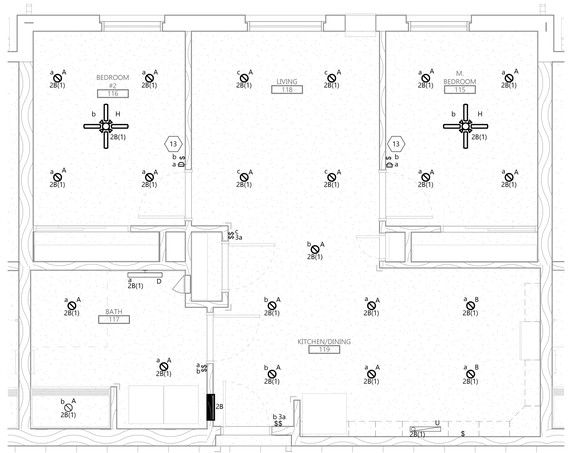
KEYNOTE LEGEND:

⬡ < < < INDICATES KEYNOTE ON PLAN

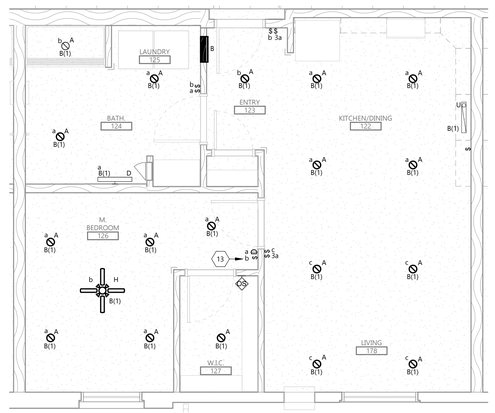
1. PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER. MOUNT WASHER & DRYER OUTLET @ 36".
2. PROVIDE GFCI SWITCHED OUTLET UNDER SINK FOR DISPOSAL MOUNT SWITCH ON WALL NEXT TO SINK. EXCEPT IN ACCESSIBLE UNITS MOUNT SWITCH ON FACE OF COUNTER.
3. PROVIDE NEMA 14-50R RECEPTACLE ELECTRIC RANGE OUTLET.
4. CONNECT RANGE HOOD TO LIGHTING CIRCUIT. PROVIDE SEPARATE SWITCHES FOR FAN & LIGHT ON FACE OF COUNTER.
5. CONNECT DISHWASHER USE GFCI CIRCUIT BREAKER.
6. PROVIDE EDWARDS HOTEL ROOM ANNUNCIATOR SIGNAL CFA SERIES #7005-G5 & PUSHBUTTON. SEE 10/E601.
7. COORDINATE A/C OUTLET LOCATION WITH G.C.
8. CONNECT 240 VOLT COOKTOP. USE 2#8 + GND.
9. CONNECT 240 VOLT COOKTOP. USE 2#12 +GND.
10. RECEPTACLE FOR FUTURE BIDET VERIFY. LOCATION WITH OWNER.
11. MOUNT GFI RECEPTACLE IN MILLWORK ABOVE RANGE FOR MICROWAVE.
12. SEE DRAWINGS E803.
13. HUNTER #27182 FAN/LT CONTROL.



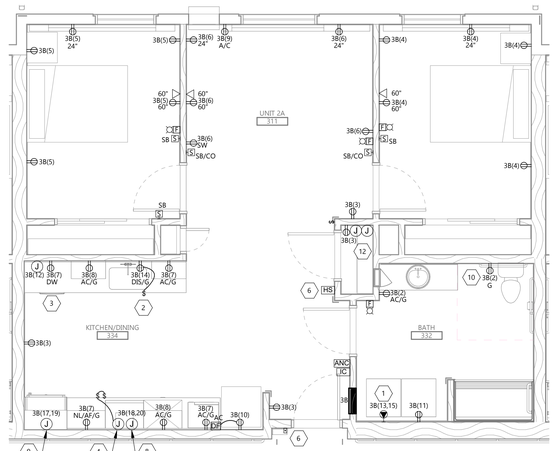
6 E601 UNIT 2-A (ACCESSIBLE) LIGHTING PLAN
1/4" = 1'-0"



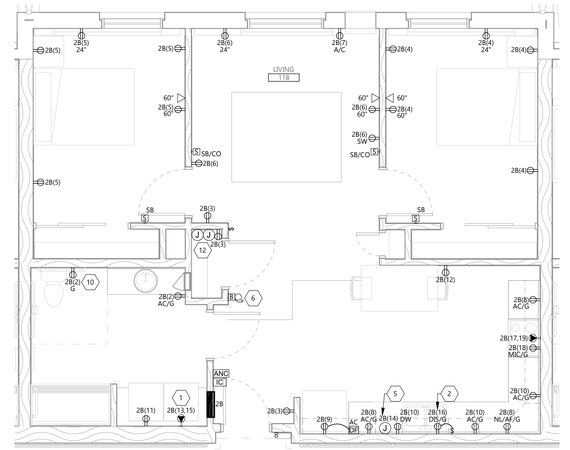
4 E601 UNIT 2 - LIGHTING PLAN
1/4" = 1'-0"



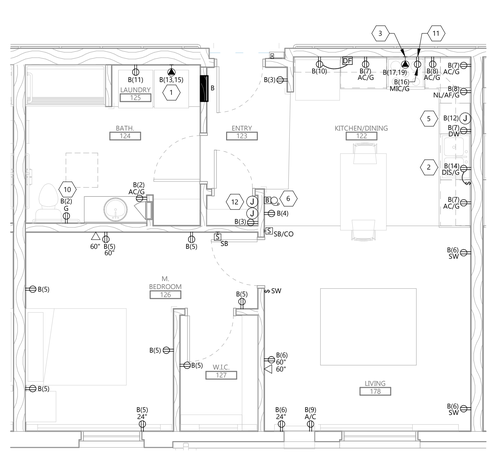
2 E601 UNIT 1 - LIGHTING PLAN
1/4" = 1'-0"



5 E601 UNIT 2-A (ACCESSIBLE) POWER, SYSTEMS & FA PLAN
1/4" = 1'-0"



3 E601 UNIT 2 - POWER, SYSTEMS & FIRE ALARM PLAN
1/4" = 1'-0"



1 E601 UNIT 1 - POWER, SYSTEMS & FIRE ALARM PLAN
1/4" = 1'-0"

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NORTH DAKOTA

DRAWING TITLE
UNIT PLANS

E601

Revit Version: 2026
Plot Date: 5/11/2026 3:02:33 PM

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

B. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

C. MOUNT RECEPTACLES ABOVE COUNTER WHERE NOTED 'AC'.

D. USE 3#8 +GND FOR RANGE & 3#10 +GND FOR DRYER. PROVIDE CORD AND PLUG. USE 2# 8 + GND FOR COOKTOP & 2#12+GND FOR WALL OVEN. DIRECT CONNECT THESE UNITS.

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6. PROVIDE EDWARDS HOTEL ROOM ANNUNCIATOR SIGNAL CFA SERIES #7005-G5 & PUSHBUTTON. SEE 10/E601.
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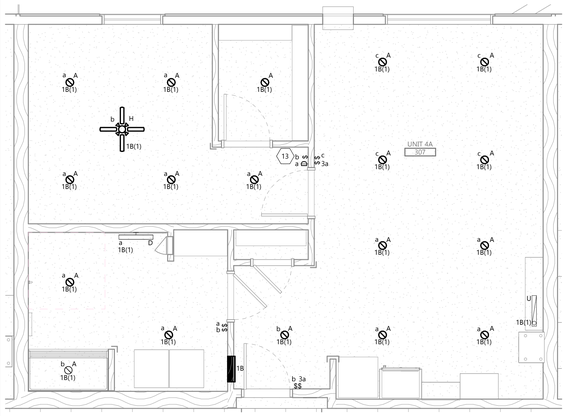
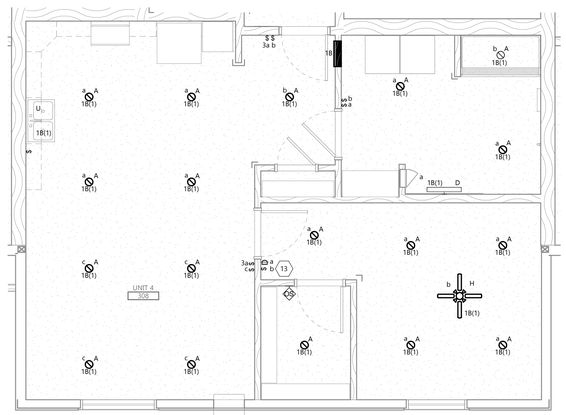
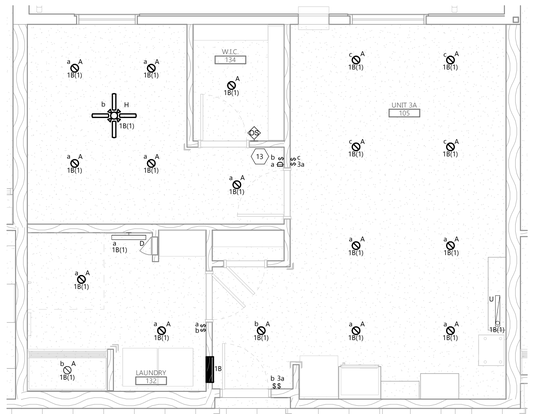
11. MOUNT GFI RECEPTACLE IN MILLWORK ABOVE RANGE FOR MICROWAVE.
12. SEE DRAWING E803.
13. HUNTER #27182 FAN/LT CONTROL.



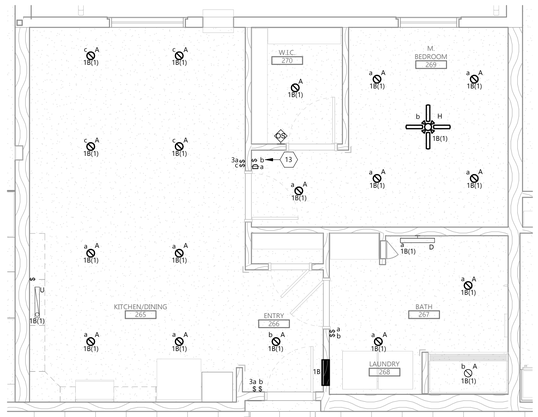
8 E602 UNIT 4-A (ACCESSIBLE) LIGHTING PLAN
1/4" = 1'-0"



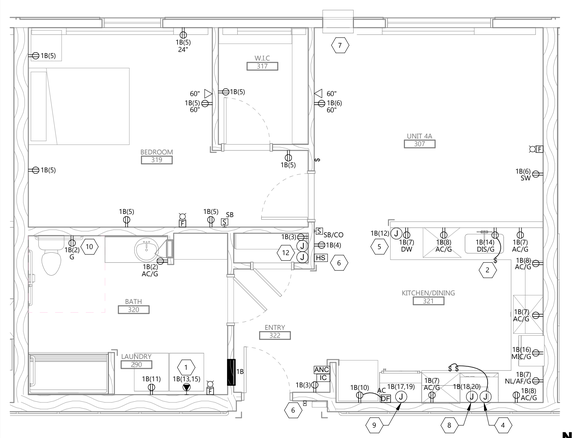
7 E602 UNIT 4 LIGHTING PLAN
1/4" = 1'-0"



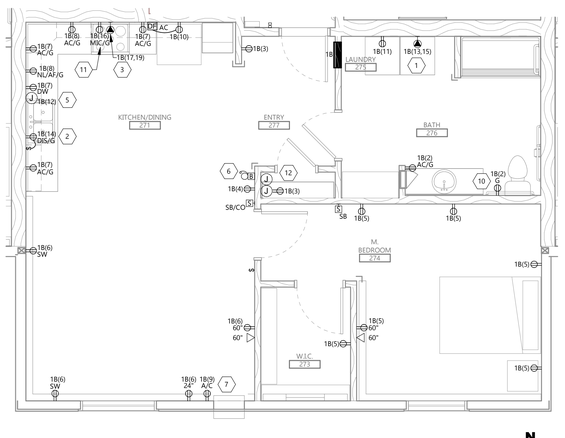
4 E602 UNIT 3-A (ACCESSIBLE) LIGHTING PLAN
1/4" = 1'-0"



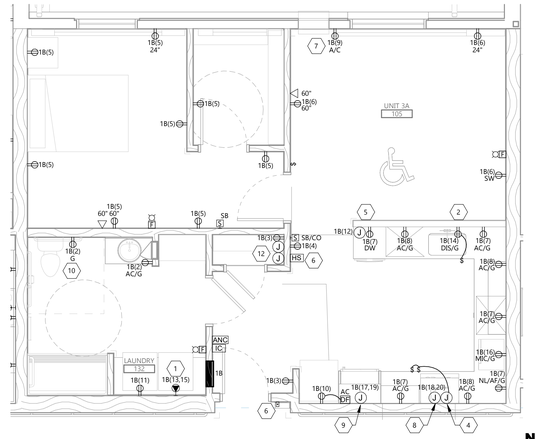
3 E602 UNIT 3 LIGHTING PLAN
1/4" = 1'-0"



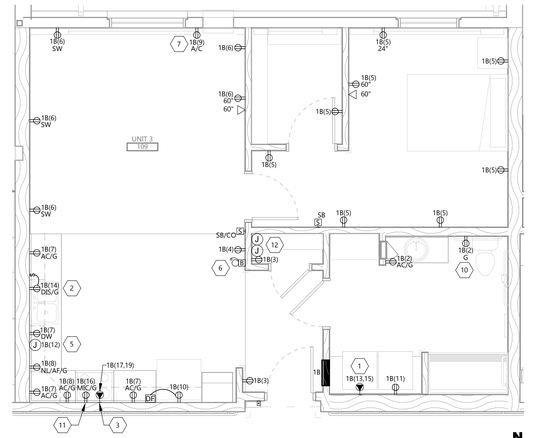
6 E602 UNIT 4-A (ACCESSIBLE) POWER, SYSTEMS & FA PLAN
1/4" = 1'-0"



5 E602 UNIT 4 - POWER, SYSTEMS & FIRE ALARM PLAN
1/4" = 1'-0"



2 E602 UNIT 3-A (ACCESSIBLE) POWER, SYSTEMS & FA PLAN
1/4" = 1'-0"



1 E602 UNIT 3 - POWER, SYSTEMS & FIRE ALARM PLAN
1/4" = 1'-0"

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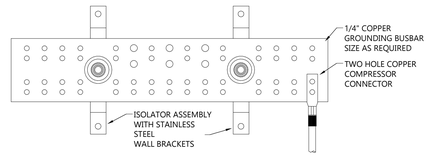
NORTH DAKOTA

DRAWING TITLE
UNIT PLANS

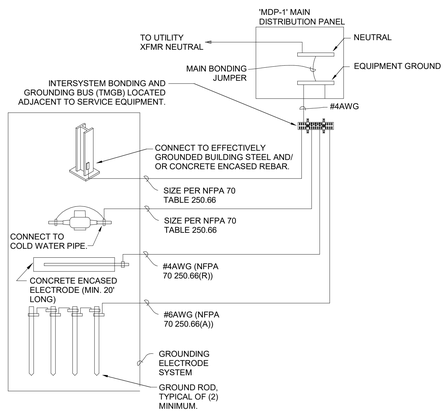
E602

Revit Version: 2026
Print Date: 5/11/2026 4:02:33 PM

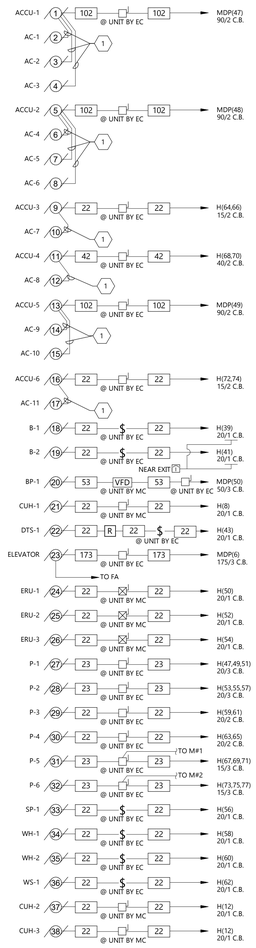
FEEDER SCHEDULE COPPER		
AMPACITY	FEEDER TAG	CONDUIT & THHN WIRE 75°C
20	22	3/4" C - 2 #12 & 1 #12 GND
20	23	3/4" C - 3 #12 & 1 #12 GND
40	42	3/4" C - 2 #8 & 1 #10 GND
50	53	1 1/4" C - 3 #6 & 1 #10 GND
100	102	1 1/4" C - 2 #2 & 1 #8 GND
100	103	1 1/2" C - 3 #2 & 1 #8 GND
175	173	2" C - 3 #2/0 & 1 #6 GND
175	174	2" C - 4 #2/0 & 1 #6 GND
400	404	(2) 2 1/2" C – 4 #3/0 & 1 #3 GND
1200	1204S	(4) 3" C - 4 #350KCMIL



5 E801 GROUND BAR DETAIL
NOT TO SCALE



4 E801 POWER SYSTEM GROUND DETAIL
NOT TO SCALE



3 E801 MOTOR RISER
NOT TO SCALE

MOTOR AND EQUIPMENT SCHEDULE

LEGEND:
- CM - COMBINATION
- CB - CIRCUIT BREAKER
- EC - ELECTRICAL CONTRACTOR
- EX - EXISTING
- F - FUSED
- M2 - MAGNETIC TWO SPEED
- M - MAGNETIC
- MC - MECHANICAL CONTRACTOR
- MM - MANUAL
- NA - NOT APPLICABLE
- NF - NON FUSED
- OW - OWNER
- TC - TEMPERATURE CONTRACTOR
- RF - ROOF
- RM - ROOM
- RPB - REMOTE PUSHBUTTON
- SC - SELF CONTAINED
- VC - VENTILATION CONTRACTOR
- WP - WEATHERPROOFED

DESCRIPTION	MOTOR #	FURN BY	LOCATION ROOM #	HP	KW	MCA	FLA	MOP	VOLTAGE	PH (Ø)	STARTER TYPE	STARTER SIZE	STARTER BY	CONTROL BY	CONTROL WIRING	POWER WIRING	INTERLOCKS BY	INTERLOCKS TO	DISCONNECT BY	DISCONNECT SIZE/TYPE	DISCONNECT NEMA	NOTES
ACCU-1	1	MC	OUTSIDE			60		86	208 V	1				MC	MC	EC			EC	60/2,NF	3R	
AC-1	2	MC	158			.2		15	208 V	1				MC	MC	EC						
AC-2	3	MC	258			.2		15	208 V	1				MC	MC	EC						
AC-3	4	MC	358			.2		15	208 V	1				MC	MC	EC						
ACCU-2	5	MC	OUTSIDE			60		86	208 V	1				MC	MC	EC			EC	60/2,NF	3R	
AC-4	6	MC	158			.2		15	208 V	1				MC	MC	EC						
AC-5	7	MC	258			.2		15	208 V	1				MC	MC	EC						
AC-6	8	MC	358			.2		15	208 V	1				MC	MC	EC						
ACCU-3	9	MC	OUTSIDE			12		15	208 V	1				MC	MC	EC			EC	30/2,NF	3R	
AC-7	10	MC	154A			1			208 V	1				MC	MC	EC						
ACCU-4	11	MC	OUTSIDE			22		40	208 V	1				MC	MC	EC			EC	60/2,NF	3R	
AC-8	12	MC	154B						208 V	1				MC	MC	EC						
ACCU-5	13	MC	OUTSIDE			60		86	208 V	1				MC	MC	EC			EC	60/2,NF	3R	
AC-9	14	MC	159			.5		15	208 V	1				MC	MC	EC						
AC-10	15	MC	159			.5		15	208 V	1				MC	MC	EC						
ACCU-6	16	MC	OUTSIDE			12		15	208 V	1				MC	MC	EC			EC	30/2,NF	3R	
AC-11	17	MC	253			1			208 V	1				MC	MC	EC						
B-1	18	MC	154B				8		120 V	1				CC	CC	EC			EC	TOGGLE	1	3
B-2	19	MC	154B				8		120 V	1				CC	CC	EC			EC	TOGGLE	1	3
BP-1	20	MC	154B	5 (2)			39.4		208 V	3				MC	MC	EC			EC	60/3,NF	1	4
CUH-1	21	MC	151				.6		120 V	1				MC	MC	EC			MC			
DTS-1	22	MC	154B				2.3		120 V	1				CC	CC	EC			EC	TOGGLE	1	1
ELEVATOR	23	MC							208 V	3				GC		EC	EC	FA	EC	200/3/F	1	2
ERU-1	24	MC	159A			14.6	11.2	20	120 V	1				MC	MC	EC			MC			
ERU-2	25	MC	252			14.6	11.2	20	120 V	1				MC	MC	EC			MC			
ERU-3	26	MC	356			14.6	11.2	20	120 V	1				MC	MC	EC			MC			
P-1	27	MC	154B	3					208 V	3	VFD		MC	MC	MC	EC			EC	30/3/NF	1	
P-2	28	MC	154B	3					208 V	3	VFD		MC	MC	MC	EC			EC	30/3/NF	1	
P-3	29	MC	154B	.75					208 V	1	MM		EC	MC	MC	EC			EC	30/3/NF	1	
P-4	30	MC	154B	.75					208 V	1	MM		EC	MC	MC	EC			EC	30/3/NF	1	
P-5	31	MC	154B	1					208 V	3	VFD		MC	MC	MC	EC			EC	30/3/NF	1	
P-6	32	MC	154B	1					208 V	3	VFD		MC	MC	MC	EC			EC	30/3/NF	1	
SP-1	33	MC	154B	.5					120 V	1				MC	MC	EC			EC	TOGGLE	1	
WH-1	34	MC	154B				15		120 V	1				MC	MC	EC			EC	TOGGLE	1	
WH-2	35	MC	154B				15		120 V	1				MC	MC	EC			EC	TOGGLE	1	
WS-1	36	MC	154B				1.3		120 V	1				MC	MC	EC			EC	TOGGLE	1	
CUH-2	37	MC	158				.6		120 V	1				MC	MC	EC			MC			
CUH-3	38	MC	158				.6		120 V	1				MC	MC	EC			MC			

NOTES:
1. PROVIDE WITH RECEPTACLE FOR RECIRCULATION PUMP.
2. PROVIDE FUSIBLE DISC/C.B. WITH SHUNT TRIP THAT FITS IN WALL. CONNECT TO FIRE ALARM SYSTEM TO RETURN TO FIRST FLOOR UPON ALARM.
3. PROVIDE BOILER SHUT-OFF. SEE NOTE 18 ON DRAWING E201.
4. WIRE INDIVIDUAL MOTORS & CONTROLLERS AS REQUIRED. PROVIDE 30/3 FUSED DISCONNECT FOR EACH MOTOR.

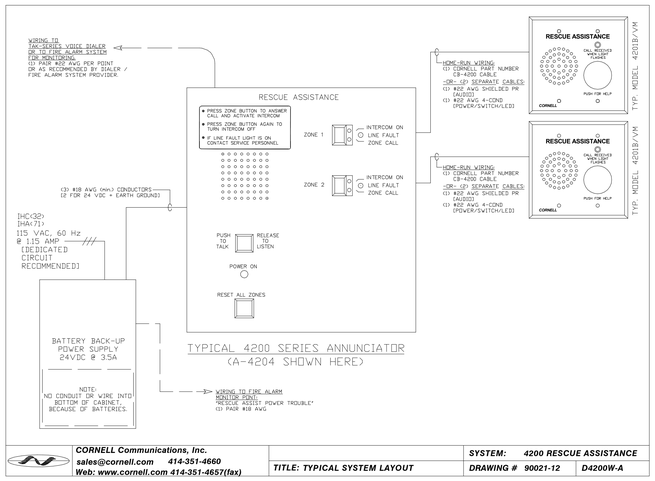
GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

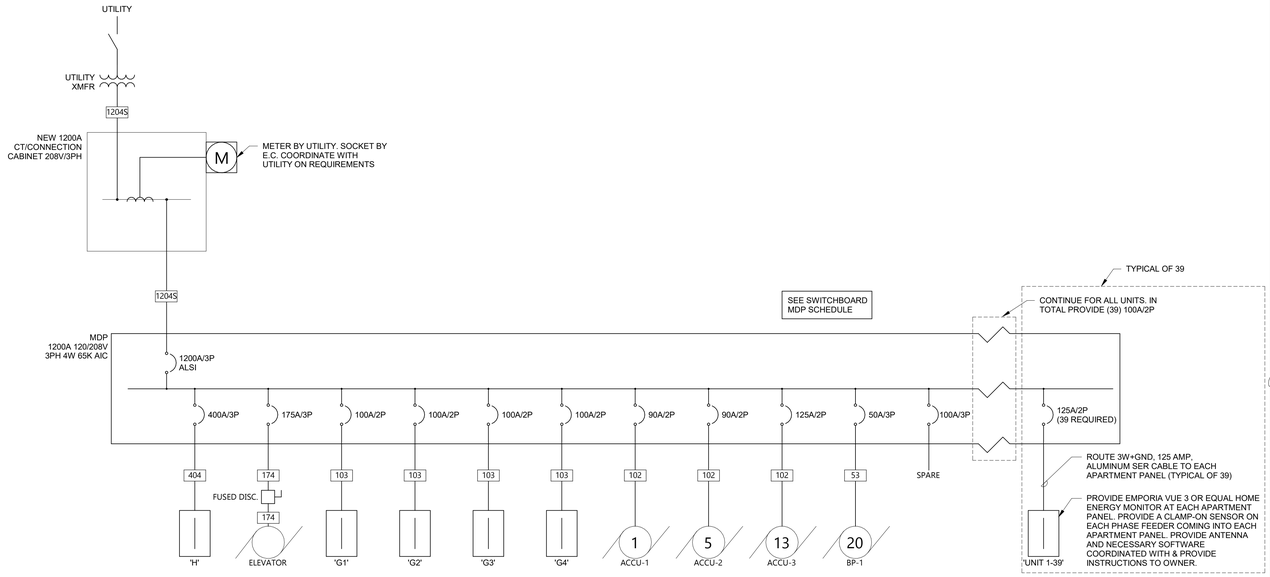
1. PROVIDE (5)#14 CONDUCTORS FOR BIDDING PURPOSES. EC TO CONFIRM WITH EQUIPMENT SUPPLIER SIZE AND QUANTITY OF CONDUCTORS.



TYPICAL 4200 SERIES ANNUNCIATOR (A-4204 SHOWN HERE)

CORNELL Communications, Inc.		SYSTEM: 4200 RESCUE ASSISTANCE	
sales@cornell.com 414-351-4660	TITLE: TYPICAL SYSTEM LAYOUT	DRAWING # 90021-12	D4200W-A
Web: www.cornell.com 414-351-4657(fax)			

2 E801 RESCUE ASSISTANCE DIAGRAM
NOT TO SCALE



1 E801 ONE-LINE DIAGRAM
NOT TO SCALE

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www.eapc.net

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: ML/TA
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PE-2044
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NORTH DAKOTA

DRAWING TITLE
DETAILS, SCHEDULES & RISER DIAGRAMS

E801

Revit Version: 2026
Print Date: 5/11/2026 5:02:19 PM

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

LIGHTING CONTROL SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NAME	MOUNTING			VOLTAGE		TYPE			NOTES	DESCRIPTION
			WALL	CLING	ABV. CLG	LINE	LOW	OCCUPANCY	VACANCY	OTHER		
RC#	NLIGHT	NPP16 D			X	X				X	1	DIGITAL DIMMER ROOM CONTROLLER, # INDICATES NUMBER OF RELAYS (CAT6)
ϕ_{LV}	SENSOR SWITCH	SPODM D	X				X			X	2	0-10V SWITCH, 2 BUTTON OPTION, NUMBER OF POLE OR MULTI-WAY SWITCHING TO BE DETERMINED BY MANUFACTURER.
$\$_{LV}$	SENSOR SWITCH	SPODM	X				X			X	2	LOW VOLTAGE SWITCH, 2 BUTTON OPTION, NUMBER OF POLE OR MULTI-WAY SWITCHING TO BE DETERMINED BY MANUFACTURER.
OS	SENSOR SWITCH	CM PDT 9/10 R D		X			X	X			5	CEILING MOUNTED SENSOR, DUAL TECHNOLOGY, SMALL OR LARGE MOTION TO BE DETERMINED BY MANUFACTURER, LOW VOLTAGE RELAY, DIMMING OPTION
OD	SENSOR SWITCH	WSX PDT D	X			X		X				WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRAL 0-10V DIMMING WITH ON/OFF BUTTON
OS	SENSOR SWITCH	WSX PDT	X			X		X				WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF SWITCH
OS	NLIGHT	NCM PDT		X			X	X				CEILING MOUNTED DIGITAL DUAL TECHNOLOGY OCCUPANCY SENSOR (CAT6)

GENERAL NOTES:

A. ALL SENSORS ARE SHOWN FOR CONTROL PURPOSE ONLY; ADDITIONAL DEVICE/POWER MAY BE REQUIRED FOR A COMPLEX SYSTEM. VERIFY REQUIRED DEVICES WITH SYSTEM PROVIDER AND INSTALL COMPLETE SYSTEM.
B. WIRE LIGHTING CONTROL COMPONENTS PER MANUFACTURERS INSTRUCTIONS.
C. APPROVED MANUFACTURERS: WATTSTOPPER, CRESTRON, ACUITY BRANDS.
D. SEE SPECICICATION SECTION 262726 OR ON DRAWINGS SPECIFICATIONS FOR FACEPLATE AND DEVICE COLOR.

NOTES:

1. NUMBER REPRESENTS QUANTITY OF RELAYS PER DEVICE. SEE LIGHTING SHEETS FOR NUMBER OF RELAYS AND CONTROL ZONES. MULTI-RELAY ROOM CONTROLLERS MAY BE USED IN LIEU OF SINGLE RELAY ROOM CONTROLLERS.
2. SEE SWITCH DETAILS FOR MORE INFORMATION ON SPECIFIC TIMECLOCK SWITCHES/DIMMERS BUTTON LAYOUT AND ENGRAVING.
3. FOR USE AT BACK OF HOUSE, UNFINISHED SPACES, AND 120V 20A MOTOR DISCONNECTS SHALL BE STANDARD TOGGLE SWITCHES. SEE SPECIFICATION SECTION 262726 OR ON DRAWINGS SPECICICATION FOR ADDITIONAL INFORMATION.
4. A LINE VOLTAGE DIMMER SHALL ONLY BE USED IN RESIDENTAL INSTALLATIONS OR WHERE THE LUMINAIRE SUPPORTS ONLY LINE VOLTAGE DIMMING.
5. MANUFACTURER SHALL DETERMINE IF SENSOR SHALL COME WITH INTEGRAL PHOTOCELL IN LIEU OF STAND ALONG DEVICE AS NEEDED FOR DEVICE.

LUMINAIRE SCHEDULE

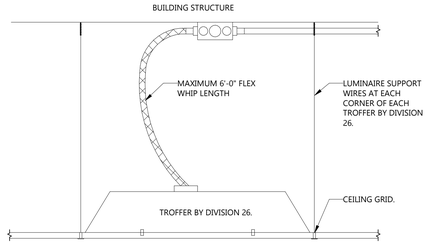
TYPE	MANUFACTURER	CATALOG NAME	MOUNTING	LOCATION	VOLTAGE	CCT	LUMENS	WATTS	NOTES	DESCRIPTION
A	ALS	SMPR G2	RECESSED	ACT	MVOLT	3500	700	9 W	1	5" LED CAN LIGHT
B	ALS	SMPR G2	RECESSED	ACT	MVOLT	3500	900	10 W	1	7" LED PUCK LIGHT
C	ACUITY	CISCO HPSC	SURFACE	WALL	MVOLT	3000	1400	20 W	1	WALL SCONCE
D	ACUITY	RESPOND	SURFACE	WALL	MVOLT	3000	2000	18 W	1	LED 2' VANITY
DD	LITON	LCMPD7R	SURFACE	CEILING	MVOLT	4000	3000	18 W	1	7"DOWNLIGHT SURFACE MOUNT
E	LITHONIA	LE-LRE	SURFACE	CEILING	MVOLT			5 W	1	LED EXIT SIGN
EM	LITHONIA	ELM4L	SURFACE	WALL	MVOLT		--	5 W	1	LED EMERGENCY LIGHT
EM1	LITHONIA	AFB-QELR-WT-BAA	SURFACE	WALL	8-30 VDC				1,7	WEATHER PROOF REMOTE HEAD
F	LITHONIA	CLX	SURFACE	CEILING	MVOLT	4000	3000	43 W	1	LED STRIP LIGHT
G	LITHONIA	CSVT	SURFACE	CEILING	MVOLT	4000	3000	20 W	1	LED ELEVATOR SHAFT LIGHT
H	HUNTER	53089 WHITE W/LITE KIT	SURFACE	CEILING	MVOLT	3000	1200	14 W	1	CEILING FAN W/LIGHTS. PROVIDE MODEL 27182 FAN/LIGHT CONTROL
U	ACUITY	SPECTRA-SF LED	SURFACE	UNDER CABINET	MVOLT	4000	500	10 W	1	UNDERCABINET LIGHT

LUMINAIRE SCHEDULE - EXTERIOR

TYPE	MANUFACTURER	CATALOG NAME	MOUNTING	LOCATION	VOLTAGE	CCT	LUMENS	WATTS	NOTES	DESCRIPTION
AA	LITHONIA	WDGE4	SURFACE	SITE	MVOLT	4000	3000	10 W	1,2	EXTERIOR LED SCONCE LIGHT W/PHOTOCELL
BB	LITHONIA	DSXW1	SURFACE	SITE	MVOLT	3500	3200	10 W	1,3	EXTERIOR LED WALL PACK W/PHOTOCELL
CC	LITHONIA	DSXW1	SURFACE	SITE	MVOLT	3500	3200	21 W	1	EXTERIOR LED WALL PACK INTEGRAL PHOTOCELL
EE	LITHONIA	DSX1	POLE	SITE	MVOLT	4000	10,000	100 W	1,6	POLE MOUNTED LIGHT FIXTURE W/PHOTOCELL

NOTES:

1. ALL PRODUCTS AND MANUFACTURES MUST MEET BABA CERTIFICATIONS.
2. MOUNT AT APPROX 6'-6" AFF. COORDINATE MOUNTING HEIGHT AND SEE ARCH ELEVATION.
3. MOUNT AT APPROX 30'-0" AFF. COORDINATE MOUNTING HEIGHT AND SEE ARCH ELEVATION.
4. MOUNT ABOVE MIRROR.
5. SET TO 5000K COLOR TEMP AT EXTERIOR LOCATIONS.
6. PROVIDE BASE SEE 6/E100.
7. CONNECT TO EM FIXTURE.

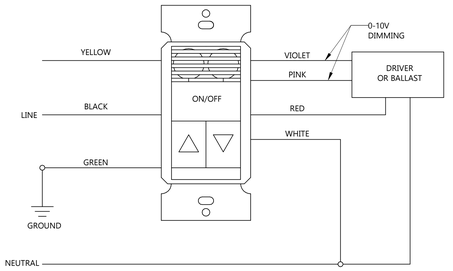


NOTE:

1. DO NOT LOOP FLEX WHIPS FIXTURE-TO- FIXTURE. PROVIDE JUNCTION BOX AS SHOWN.
2. FLEX WHIP SHALL NOT REST ON CEILING GRID. PROVIDE ADDITIONAL SUPPORTS AS NEEDED.

2 E802 TROFFER INSTALLATION DETAIL

NOT TO SCALE



NOTE: REQUIRES CLASS 1 WIRING FOR 0-10V DIMMING

1 E802 DUAL TECH SENSOR SWITCH OD WIRING DETAIL

NOT TO SCALE

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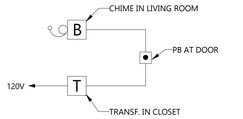
NORTH DAKOTA

DRAWING TITLE
LIGHTING SCHEDULES & DETAILS

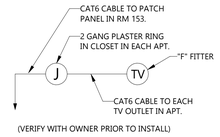
E802

Revit Version: 2026
Plot Date: 5/11/2026 4:00:16 PM



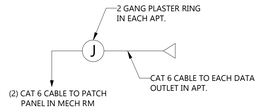
NOTE: USE BROAN/NUTONE CHIME KIT LA225WH OR EQUAL.

13 E803 **NON-ACC. DOOR BELL**
NOT TO SCALE

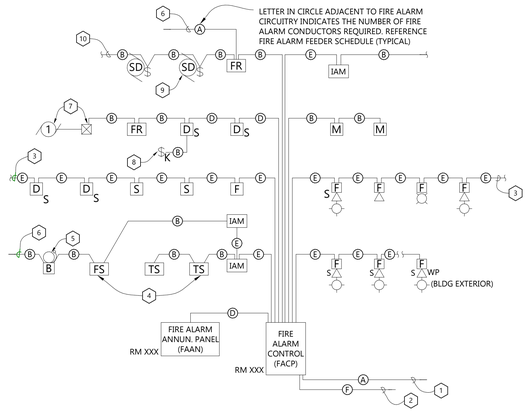


(VERIFY WITH OWNER PRIOR TO INSTALL)

12 E803 **TYPICAL APARTMENT TV WIRING DETAIL**
NOT TO SCALE



11 E803 **TYPICAL APARTMENT DATA WIRING DETAIL**
NOT TO SCALE



10 E803 **TYPICAL ADDRESSIBLE FIRE ALARM RISER**
NOT TO SCALE

FIRE ALARM FEEDER SCHEDULE

MARK	CONDUIT NO.	CONDUIT SIZE	CONDUCTORS PER CONDUIT #14	CONDUCTORS PER CONDUIT * COMMUNICATIONS CABLE	NOTES
A	1	1/2"	-	-	2#12 AWG
B	1	1/2"	2	-	-
C	1	1/2"	4	-	-
D	1	1/2"	2	1	-
E	1	1/2"	-	1	-
F	1	1/2"	-	-	(1)CATEGORY 5E UTP
G	1	3/4"	5	1	-
H	1	-	-	-	-
J	1	-	-	-	-
K	1	-	-	-	-

* COMMUNICATIONS CABLE TO BE 1-#18GA, TWISTED, SHIELDED PAIR. (WEST PENN #975 OR EQUAL)

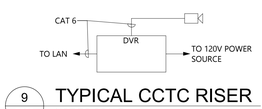
GENERAL NOTE:

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

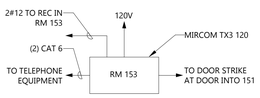
B. DETAIL SHALL BE USED FOR GENERAL WIRING DESIGN INTENT ONLY. VERIFY EXACT REQUIREMENTS AND COMPLY WITH MANUFACTURERS RECOMMENDATIONS FOR ACTUAL EQUIPMENT FURNISHED.

REFERENCE NOTES:

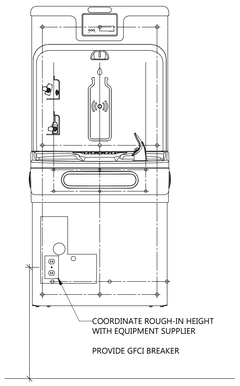
1. TO DEDICATED 20/1 CIRCUIT BREAKER.
2. TO TELEPHONE DEMARK FOR REMOTE REPORTING.
3. TO NEXT DEVICE.
4. ELECTRICAL CONTRACTOR TO ALLOW IN BID TO WIRE ALL TAMPER AND FLOW SWITCHES FURNISHED AND INSTALLED BY THE SPRINKLER CONTRACTOR. VERIFY QUANTITY LOCATION AND EXACT REQUIREMENTS WITH SPRINKLER CONTRACTOR.
5. ELECTRICAL CONTRACTOR TO ALLOW IN BID TO WIRE SPRINKLER FLOW ALARM BELL FURNISHED AND INSTALLED ON BUILDING EXTERIOR BY SPRINKLER CONTRACTOR. PROVIDE LOW VOLTAGE TRANSFORMER (IF REQUIRED) AND EXTEND 120V POWER FROM NEAREST CONTINUOUS SOURCE.
6. TO NEAREST CONTINUOUS 120 VOLT SOURCE.
7. AIR HANDLING UNIT AND ASSOCIATED MOTOR CONTROLLER.
8. REMOTE DUCT SMOKE DETECTOR ALARM INDICATOR AND TEST SWITCH. VERIFY EXACT LOCATION WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
9. SMOKE DAMPERS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. TRANSFORMER BY MC, ISOLATION SWITCH BY EC.
10. TO NEXT SMOKE DAMPER. DO NOT EXCEED (6) SMOKE DAMPERS PER RELAY.



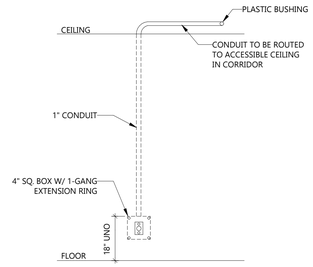
9 E803 **TYPICAL CCTC RISER**
NOT TO SCALE



8 E803 **TELEPHONE ACCESS SYSTEM**
NOT TO SCALE

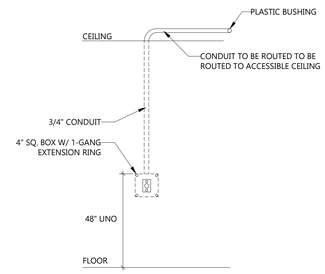


7 E803 **SINGLE STATION EWC DETAIL**
NOT TO SCALE

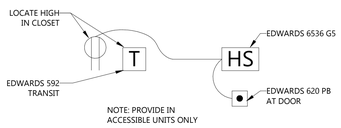


NOTE: WALL TELEPHONE MOUNTING HEIGHT IS 48" UNLESS NOTED OTHERWISE. WHERE THERE ARE ADJACENT DEVICES, MOUNT WALL TELEPHONE AT SAME HEIGHT

6 E803 **DATA ROUGH-IN DETAIL**
NOT TO SCALE

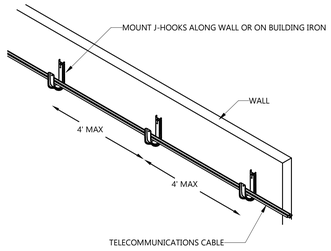


5 E803 **VOLUME CONTROL/THERMOSTAT MOUNTING DETAIL**
NOT TO SCALE

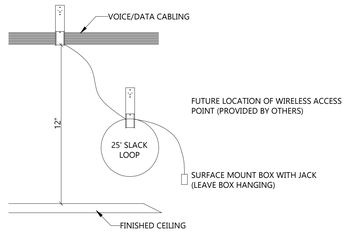


NOTE: PROVIDE IN ACCESSIBLE UNITS ONLY

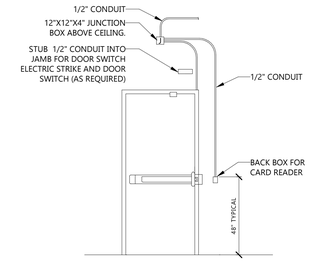
4 E803 **DOOR BELL BETAIL**
NOT TO SCALE



3 E803 **J-HOOK ROUTING DETAIL**
NOT TO SCALE



2 E803 **TYPICAL WIRELESS ACCESS POINT DETAIL**
NOT TO SCALE



1 E803 **SINGLE DOOR CARD READER ROUGH-IN DETAIL**
NOT TO SCALE

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PE-2694
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NORTH DAKOTA

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DETAILS, SCHEDULES & RISER DIAGRAMS

E803

Revit Version: 2026
Plot Date: 5/11/2026 4:02:16 PM

PANEL: B

LOCATION: LAUNDRY 125
SUPPLY FROM: MDP
MOUNTING: RECESSED
ENCLOSURE: NEMA 1

VOLTS: 120/208 Single
PHASING: 1
WIRES: 3

A.I.C. RATING: 10K AIC
CALULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 125 A
BUS RATING: 125 A

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	LIGHTING	13	20 A	1	253 VA	360 VA			1	20 A	13	BATHROOM RECEPTS	2
3	ENTRY RECEPTS	13	20 A	1			360 VA	180 VA	1	20 A	13	KITCHEN RECEPT	4
5	BEDROOM RECEPTS	13	20 A	1	1440 VA	720 VA			1	20 A	13	LIVING RM RECEPTS	6
7	KITCHEN	13	20 A	1			720 VA	360 VA	1	20 A	13	KITCHEN	8
9	AC UNIT	13	20 A	1	180 VA	1000 VA			1	20 A	13	FRIDGE	10
11	WASHER	13	20 A	1			180 VA	500 VA	1	20 A	14	DISHWASHER	12
13	DRYER	8	30 A	2	2500 VA	180 VA			1	20 A	13	DISPOSAL	14
15							2500 VA	1000 VA	1	20 A	13	MICROWAVE/RANGE HOOD	16
17	RANGE	8	40 A	2	0 VA	0 VA			1	20 A	13	SPARE	18
19							0 VA	0 VA	1	20 A	13	SPARE	20
					CONNECTED LOAD:	6633 VA		5800 VA					
					EXISTING LOAD:	0 VA		0 VA					
					TOTAL LOAD:	6633 VA		5800 VA	**HIGH PHASE**				
					FEED THRU AMPS:	0 A		0 A	6633 VA				
					TOTAL AMPS:	63 A		56 A					

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
3	EXISTING BREAKER AND NEW LOAD	8	GFCI BREAKER	13	AFCI BREAKER
4	EXISTING BREAKER TO BECOME SPARE	9	DEDICATED BREAKER	14	AFCI/GFCI CB W/LOCK
5	EXISTING BREAKER OFF, VERIFY SPARE	10	HANDLE TIED BREAKER		

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	183 VA	125.00%	228 VA		
Motor	70 VA	100.00%	70 VA	**TOTAL CONN. LOAD:**	13293 VA
Other	0 VA	0.00%	0 VA	**TOTAL EST. DEMAND:**	13338 VA
Power	6180 VA	100.00%	6180 VA	**TOTAL CONN.:**	64 A
Receptacle	6860 VA	100.00%	6860 VA	**TOTAL EST. DEMAND:**	64 A

NOTES:
USE LOAD CENTER CONSTRUCTION.

PANEL: 1B

LOCATION: LAUNDRY 132
SUPPLY FROM: MDP
MOUNTING: RECESSED
ENCLOSURE: NEMA 5

VOLTS: 120/208 Single
PHASING: 1
WIRES: 3

A.I.C. RATING: 10K AIC
CALULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 125 A
BUS RATING: 125 A

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	LIGHTING	13	20 A	1	253 VA	360 VA			1	20 A	13	BATHROOM RECEPTS	2
3	ENTRY RECEPTS	13	20 A	1			360 VA	180 VA	1	20 A	13	KITCHEN RECEPTS	4
5	BEDROOM RECEPTS	13	20 A	1	1440 VA	540 VA			1	20 A	13	LIVING RM RECEPTS	6
7	KITCHEN RECEPTS	13	20 A	1			900 VA	540 VA	1	20 A	13	KITCHEN RECEPTS	8
9	AC UNIT	13	20 A	1	180 VA	1000 VA			1	20 A	13	FRIDGE	10
11	WASHER	13	20 A	1			180 VA	180 VA	1	20 A	14	DISHWASHER	12
13	DRYER	8	30 A	2	2500 VA	180 VA			1	20 A	13	DISPOSAL	14
15							2500 VA	1000 VA	1	20 A	13	MICROWAVE	16
17	WALL OVEN	8	20 A	2	250 VA	250 VA			2	40 A	8	ELECTRIC COOKTOP	18
19							250 VA	250 VA					20
21	SPACE		--	1	--	--			1	--		SPACE	22
					CONNECTED LOAD:	6953 VA		6340 VA					
					EXISTING LOAD:	0 VA		0 VA					
					TOTAL LOAD:	6953 VA		6340 VA	**HIGH PHASE**				
					FEED THRU AMPS:	0 A		0 A	6953 VA				
					TOTAL AMPS:	66 A		61 A					

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
3	EXISTING BREAKER AND NEW LOAD	8	GFCI BREAKER	13	AFCI BREAKER
4	EXISTING BREAKER TO BECOME SPARE	9	DEDICATED BREAKER	14	AFCI/GFCI CB W/LOCK
5	EXISTING BREAKER OFF, VERIFY SPARE	10	HANDLE TIED BREAKER		

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	183 VA	125.00%	228 VA		
Motor	70 VA	100.00%	70 VA	**TOTAL CONN. LOAD:**	13293 VA
Other	0 VA	0.00%	0 VA	**TOTAL EST. DEMAND:**	13338 VA
Power	6180 VA	100.00%	6180 VA	**TOTAL CONN.:**	64 A
Receptacle	6860 VA	100.00%	6860 VA	**TOTAL EST. DEMAND:**	64 A

NOTES:
USE LOAD CENTER CONSTRUCTION.

PANEL: 2B

LOCATION: LAUNDRY 120
SUPPLY FROM: MDP
MOUNTING: Recessed
ENCLOSURE: NEMA 1

VOLTS: 120/208 Single
PHASING: 1
WIRES: 3

A.I.C. RATING: 10K AIC
CALULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 125 A
BUS RATING: 125 A

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	LIGHTING	13	20 A	1	311 VA	360 VA			1	20 A	13	BATHROOM RECEPTS	2
3	ENTRY RECEPTS	13	20 A	1			540 VA	900 VA	1	20 A	13	M. BEDROOM RECEPTS	4
5	BEDROOM #2 RECEPTS	13	20 A	1	900 VA	720 VA			1	20 A	13	LIVING RM RECEPTS	6
7	AC UNIT	13	20 A	1			180 VA	540 VA	1	20 A	13	KITCHEN RECEPTS	8
9	FRIDGE	13	20 A	1	1000 VA	540 VA			1	20 A	13	KITCHEN RECEPTS	10
11	WASHER	13	20 A	1			180 VA	180 VA	1	20 A	13	KITCHEN RECEPTS	12
13	DRYER	8	30 A	2	2500 VA	500 VA			1	20 A	14	DISHWASHER	14
15							2500 VA	180 VA	1	20 A	13	DISPOSAL	16
17	RANGE	8	20 A	2	0 VA	1000 VA			1	20 A	13	MICROWAVE/RANGE HOOD	18
19							0 VA	0 VA	1	20 A	13	SPARE	20
21	SPACE		--	1	--	--			1	--		SPACE	22
					CONNECTED LOAD:	7831 VA		5200 VA					
					EXISTING LOAD:	0 VA		0 VA					
					TOTAL LOAD:	7831 VA		5200 VA	**HIGH PHASE**				
					FEED THRU AMPS:	0 A		0 A	7831 VA				
					TOTAL AMPS:	72 A		50 A					

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
3	EXISTING BREAKER AND NEW LOAD	8	GFCI BREAKER	13	AFCI BREAKER
4	EXISTING BREAKER TO BECOME SPARE	9	DEDICATED BREAKER	14	AFCI/GFCI CB W/LOCK
5	EXISTING BREAKER OFF, VERIFY SPARE	10	HANDLE TIED BREAKER		

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	221 VA	125.00%	276 VA		
Motor	90 VA	100.00%	90 VA	**TOTAL CONN. LOAD:**	13031 VA
Power	5500 VA	100.00%	5500 VA	**TOTAL EST. DEMAND:**	13086 VA
Receptacle	7220 VA	100.00%	7220 VA	**TOTAL CONN.:**	63 A
				TOTAL EST. DEMAND:	63 A

NOTES:
USE LOAD CENTER CONSTRUCTION.

NEW PANEL: 3B

LOCATION: LAUNDRY 333
SUPPLY FROM: MDP
MOUNTING: Recessed
ENCLOSURE: NEMA 1

VOLTS: 120/208 Single
PHASING: 1
WIRES: 3

A.I.C. RATING: 10K AIC
CALULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 125 A
BUS RATING: 125 A

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	LIGHTING	13	20 A	1	371 VA	360 VA			1	20 A	13	BATHROOM RECEPTS	2
3	ENTRY RECEPTS	13	20 A	1			720 VA	900 VA	1	20 A	13	BEDROOM RECEPTS	4
5	BEDROOM RECEPTS	13	20 A	1	900 VA	900 VA			1	20 A	13	LIVING RM	6
7	KITCHEN RECEPTS	13	20 A	1			720 VA	360 VA	1	20 A	13	KITCHEN RECEPTS	8
9	AC UNIT	13	20 A	1	180 VA	1000 VA			1	20 A	13	FRIDGE	10
11	WASHER	13	20 A	1			180 VA	500 VA	1	20 A	13	DISHWASHER	12
13	DRYER	8	30 A	2	2500 VA	180 VA			1	20 A	14	DISPOSAL	14
15							2500 VA	500 VA	1	20 A	13	MICROWAVE	16
17	WALL OVEN	8	20 A	2	250 VA	250 VA			2	20 A	8	ELECTRIC COOKTOP	18
19							250 VA	250 VA					20
21	SPACE		--	1	--	--			1	--		SPACE	22
					CONNECTED LOAD:	6891 VA		6880 VA					
					EXISTING LOAD:	0 VA		0 VA					
					TOTAL LOAD:	6891 VA		6880 VA	**HIGH PHASE**				
					FEED THRU AMPS:	0 A		0 A	6891 VA				
					TOTAL AMPS:	66 A		66 A					

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
3	EXISTING BREAKER AND NEW LOAD	8	GFCI BREAKER	13	AFCI BREAKER
4	EXISTING BREAKER TO BECOME SPARE	9	DEDICATED BREAKER	14	AFCI/GFCI CB W/LOCK
5	EXISTING BREAKER OFF, VERIFY SPARE	10	HANDLE TIED BREAKER		

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	231 VA	125.00%	288 VA		
Motor	140 VA	100.00%	140 VA	**TOTAL CONN. LOAD:**	13771 VA
Other	0 VA	0.00%	0 VA	**TOTAL EST. DEMAND:**	13828 VA
Power	7000 VA	100.00%	7000 VA	**TOTAL CONN.:**	66 A
Receptacle	6400 VA	100.00%	6400 VA	**TOTAL EST. DEMAND:**	66 A

NOTES:
USE LOAD CENTER CONSTRUCTION.

NEW PANEL: H

LOCATION: ELECTRICAL 153
SUPPLY FROM: MDP
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASING: 3
WIRES: 4

A.I.C. RATING: 22K AIC
CALULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 400 A
BUS RATING: 400 A

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		C		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	LIGHTING CORR	13	20 A	1	886 VA	854 VA					1	20 A	13	1ST FLR LIGHTING	2
3	LIGHTING CORR	13	20 A	1			620 VA	350 VA			1	20 A	13	EM LIGHTING	4
5	EXTERIOR LIGHTING	13	20 A	1					180 VA	220 VA	1	20 A	13	STAIRS LIGHTING	6
7	THIRD FLR LIGHTING	13	20 A	1	357 VA	1612 VA					1	20 A	13	1ST FLR RECEPT	8
9	1ST FLR RECEPT	13	20 A	1			1620 VA	180 VA			1	20 A	13	DTS-1 CONNECTION	10
11	1ST FLR EWC	14	20 A	1					180 VA	1224 VA	1	20 A	13	RECEPT STAIRS	12
13	2ND FLR RECEPTS	13	20 A	1	900 VA	720 VA					1	20 A	13	RECEPT RM 154A	14
15	2ND FLR RECEPTS	13	20 A	1			720 VA	720 VA			1	20 A	13	RECEPT RM 253	16
17	RECEPT RM 254	13	20 A	1					540 VA	900 VA	1	20 A	13	RECEPT RM 254A	18
19	RECEPT RM 153	13	20 A	1	360 VA	360 VA					1	20 A	13	RECEPT RM 254	20
21	RECEPT RM 153	13	20 A	1			360 VA	360 VA			1	20 A	13	RECEPT RM 255	22
23	RECEPT RM 153	13	20 A	1					360 VA	1440 VA	1	20 A	13	3RD FLR RECEPTS	24
25	RECEPT RM 255	13	20 A	1	360 VA	1800 VA					1	20 A	13	EXTERIOR RECEPTS	26
27	RECEPT RM 255	13	20 A	1			180 VA	360 VA			1	20 A	13	RECEPT RM 255	28
29	RECEPT RM 159	13	20 A	1					1080 VA	720 VA	1	20 A	13	RECEPT RM 159	30
31	RECEPT RM 159	13	20 A	1	360 VA	1000 VA					1	20 A	13	RECEPT RM 159 FRIDGE	32
33	RECEPT RM 159 DISPOSAL	13	20 A	1			180 VA	360 VA			1	20 A	13	RECEPT RM 159	34
35	FACP	12	20 A	1					0 VA	540 VA	1	20 A	13	RECEPT RM 159	36
37	RECEPT RM 159	13	20 A	1	180 VA	1000 VA					1	20 A	13	RECEPT RM 159 FRIDGE	38
39	B-1 (#18)	15	20 A	1			960 VA	0 VA			2	20 A	8	RECEPT RM 159 RANGE	40
41	B-2 (#19)	15	20 A	1					960 VA	0 VA					42
43	DTS-1 (#22)		20 A	1	270 VA	0 VA					1	20 A		SPARE	44
45	RECEPT RM 153	13	20 A	1			180 VA	0 VA			1	20 A		SPARE	46
47									1321 VA	0 VA	1	20 A		SPARE	48
49	P-1 (#28)		20 A	3	1321 VA	1344 VA					1	20 A		ERU-1 (#24)	50
51							1321 VA	4035 VA			1	20 A		ERU-2 (#25)	52
53									1321 VA	1344 VA	1	20 A		ERU-3 (#26)	54
55	P-2 (#29)		20 A	3	1321 VA	2038 VA					1	20 A		SP-1 (#34)	56
57							1321 VA	3120 VA			1	20 A		WH-1 (#35)	58
59	P-3 (#30)		25 A	2					828 VA	1800 VA	1	20 A		WH-2 (#36)	60
61					828 VA	1800 VA					1	20 A		WS-1 (#37)	62
63	P-4 (#31)		20 A	2			828 VA	1248 VA			2	15 A		ACCU-3 (#9) AC-7(9),AC-8(10)	64
65									828 VA	1248 VA					66
67	P-5 (#32)		15 A	3	444 VA	2288 VA					2	40 A		ACCU-4 (#12), AC-9 (13)	68
69							444 VA	2288 VA							70
71									444 VA	1248 VA	2	15 A		ACCU-6 (#16), AC-11(17)	72
73					444 VA	1248 VA									74
75	P-6 (#33)		15 A	3			444 VA	250 VA			2	50 A	8	DISWASHER RM 159	76
77									444 VA	250 VA					78
79	SMOKE DAMPERS	13	20 A	1	200 VA	0 VA					1	20 A	13	SPARE	80
81	ATTIC LIGHTS		20 A	1			144 VA	0 VA			1	20 A	13	SPARE	82
83	ATTIC RECEPT		20 A	1					180 VA	0 VA	1	20 A	13	SPARE	84
					CONNECTED LOAD:	24296 VA		22594 VA	19601 VA						
					EXISTING LOAD:	0 VA		0 VA	0 VA						
					TOTAL LOAD:	24296 VA		22594 VA	19601 VA	**HIGH PHASE**					
					FEED THRU AMPS:	0 A		0 A	0 A	24296 VA					
					TOTAL AMPS:	206 A		192 A	163 A						

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
3	EXISTING BREAKER AND NEW LOAD	8	GFCI BREAKER	13	AFCI BREAKER
4	EXISTING BREAKER TO BECOME SPARE	9	DEDICATED BREAKER	14	AFCI/GFCI CB W/LOCK
5	EXISTING BREAKER OFF, VERIFY SPARE	10	HANDLE TIED BREAKER	15	SHUNT TRIP C.B.

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	3471 VA	125.00%	4339 VA		
Motor	41559 VA	100.00%	41559 VA	**TOTAL CONN. LOAD:**	66490 VA
Other	140 VA	100.00%	140 VA	**TOTAL EST. DEMAND:**	61998 VA
Power	600 VA	100.00%	600 VA	**TOTAL CONN.:**	185 A
Receptacle	20720 VA	74.13%	15360 VA	**TOTAL EST. DEMAND:**	172 A

NOTES:

NEW SWITCHBOARD: MDP

LOCATION: ELECTRICAL 153
SUPPLY FROM:
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C RATING: 65KA
MAINS TYPE: MCB
MAINS RATING: 1200 A
MCB RATING: 1200 A

CKT	CIRCUIT DESCRIPTION	POLES	RATING	A	B	C	CODE	REMARKS
1	G1	3	60 A	0 VA	0 VA	80 VA		
2	G2	3	60 A	0 VA	0 VA	50 VA		
3	G3	3	60 A	190 VA	0 VA	0 VA		
4	G4	3	60 A	0 VA	0 VA	30 VA		
5	H	3	400 A	24296 VA	22594 VA	19601 VA		
6	ELEVATOR	3	175 A	0 VA	0 VA	0 VA	11	SHUNT TRIP
7	SHUNT TRIP SPACE	1	--	--				
8	APARTMENT #1 - UNIT 1 RM #101	2	125 A	0 VA	0 VA			
9	APARTMENT #2 - UNIT 1 RM #102	2	125 A	0 VA	0 VA			
10	APARTMENT #3 - UNIT 2 RM #103	2	125 A	7831 VA	5200 VA			
11	APARTMENT #4 - UNIT 1 RM #104	2	125 A	6633 VA	5800 VA			
12	APARTMENT #5 - UNIT 3A RM #105	2	125 A	6953 VA	6340 VA			
13	APARTMENT #6 - UNIT 1 RM #106	2	125 A	0 VA	0 VA			
14	APARTMENT #7 - UNIT 3 RM #109	2	125 A	6813 VA	5800 VA			
15	APARTMENT #8 - UNIT 1 RM #110	2	125 A	0 VA	0 VA			
16	APARTMENT #9 - UNIT 2A RM #111	2	125 A	0 VA	0 VA			
17	APARTMENT #10 - UNIT 1 RM #112	2	125 A	0 VA	0 VA			
18	APARTMENT #11 - UNIT 1 RM #113	2	125 A	0 VA	0 VA			
19	APARTMENT #12 - UNIT 1 RM #114	2	125 A	0 VA	0 VA			
20	APARTMENT #13 - UNIT 1 RM #201	2	125 A	0 VA	0 VA			
21	APARTMENT #14 - UNIT 1 RM #202	2	125 A	0 VA	0 VA			
22	APARTMENT #15 - UNIT 1 RM #203	2	125 A	0 VA	0 VA			
23	APARTMENT #16 - UNIT 1 RM #204	2	125 A	0 VA	0 VA			
24	APARTMENT #17 - UNIT 3A RM #205	2	125 A	0 VA	0 VA			
25	APARTMENT #18 - UNIT 1 RM #206	2	125 A	0 VA	0 VA			
26	APARTMENT #19 - UNIT 4A RM #207	2	125 A	0 VA	0 VA			
27	APARTMENT #20 - UNIT 3 RM #209	2	125 A	0 VA	0 VA			
28	APARTMENT #21 - UNIT 1 RM #210	2	125 A	0 VA	0 VA			
29	APARTMENT #22 - UNIT 2A RM #211	2	125 A	0 VA	0 VA			
30	APARTMENT #23 - UNIT 1 RM #212	2	125 A	0 VA	0 VA			
31	APARTMENT #24 - UNIT 1 RM #213	2	125 A	0 VA	0 VA			
32	APARTMENT #25 - UNIT 1 RM #214	2	125 A	0 VA	0 VA			
33	APARTMENT #26 - UNIT 1 RM #301	2	125 A	0 VA	0 VA			
34	APARTMENT #27 - UNIT 1 RM #302	2	125 A	0 VA	0 VA			
35	APARTMENT #28 - UNIT 2 RM #303	2	125 A	0 VA	0 VA			
36	APARTMENT #29 - UNIT 1 RM #304	2	125 A	0 VA	0 VA			
37	APARTMENT #30 - UNIT 3A RM #305	2	125 A	0 VA	0 VA			
38	APARTMENT #31 - UNIT 1 RM #306	2	125 A	0 VA	0 VA			
39	APARTMENT #32 - UNIT 4A RM #307	2	125 A	7133 VA	7480 VA			
40	APARTMENT #33 - UNIT 4 RM #308	2	125 A	6273 VA	5800 VA			
41	APARTMENT #34 - UNIT 3 RM #309	2	125 A	0 VA	0 VA			
42	APARTMENT #35 - UNIT 1 RM #310	2	125 A	0 VA	0 VA			
43	APARTMENT #36 - UNIT 2A RM #311	2	125 A	6891 VA	6880 VA			
44	APARTMENT #37 - UNIT 1 RM #312	2	125 A	0 VA	0 VA			
45	APARTMENT #38 - UNIT 1 RM #313	2	125 A	0 VA	0 VA			
46	APARTMENT #39 - UNIT 1 RM #314	2	125 A	0 VA	0 VA			
47	ACCU-1(#1)	2	90 A	8944 VA	8944 VA			
48	ACCU-2 (#5)	2	90 A	8944 VA		8944 VA		
49	ACCU-5 (#13)	2	90 A	8944 VA		8944 VA		
50	BP-1 (#20)	3	50 A	11520 VA	11520 VA	11520 VA		
51	SPARE	3	100 A	0 VA	0 VA	0 VA		
			CONNECTED LOAD:	111362 VA	86358 VA	49169 VA		
			EXISTING LOAD:	0 A	0 A	0 A		
			TOTAL AMPS:	976 A	767 A	410 A		

CODE:

1	SEE DRAWINGS FOR CONDUIT AND CONDUCTOR SIZES	5	EXISTING BREAKER OFF, VERIFY SPARE	9	DEDICATED BREAKER
2	EXISTING BREAKER AND LOAD TO REMAIN	6	EXISTING BREAKER ON, VARIFY SPARE	10	HANDLE TIED BREAKER
3	EXISTING BREAKER AND NEW LOAD	7	NEW BREAKER AND NEW LOAD	11	SHUNT-TRIP BREAKER
4	EXISTING BREAKER TO BECOME SPARE	8	GFCI BREAKER	12	PROVIDE LOCK ON DEVICE

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

PANEL INDEX E901

B	2B	H
1B	3B	MDP

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CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: ML/TA
CHECKED BY: LS

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STAMP

REGISTERED PROFESSIONAL ENGINEER
LEONARD S. SCHAFF
PE-2044
DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
SCHEDULES

E901

Revit Version: 2026
Plot Date: 5/11/2026 4:00:16 PM

NEW PANEL: G3

LOCATION:
SUPPLY FROM: MDP
MOUNTING: RECESSED
ENCLOSURE: TYPE 1

VOLTS: 120/208 Wye
PHASING: 3
WIRES: 4

A.I.C. RATING:
CALCULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 200 A
BUS RATING: 200 A

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		C		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	UNIT 1		20 A	1	0 VA	0 VA					2	50 A		SPARE	2
3	UNIT 2		20 A	1			0 VA	0 VA							4
5	UNIT 3		20 A	1					0 VA	0 VA	2	50 A		SPARE	6
7	UNIT 4		20 A	1	0 VA	0 VA									8
9	UNIT 5		20 A	1			0 VA	0 VA			2	50 A		SPARE	10
11	UNIT 6		20 A	1					0 VA	0 VA					12
13	UNIT 7		20 A	1	0 VA	0 VA					2	50 A		SPARE	14
15	UNIT 8		20 A	1			0 VA	0 VA							16
17	UNIT 9		20 A	1					0 VA	0 VA	2	50 A		SPARE	18
19	UNIT 10		20 A	1	0 VA	0 VA									20
21	UNIT 11		20 A	1			0 VA	0 VA			2	50 A		SPARE	22
23	UNIT 12		20 A	1					0 VA	0 VA					24
25	UNIT 13		20 A	1	0 VA	0 VA					2	50 A		SPARE	26
27	UNIT 14		20 A	1			0 VA	0 VA							28
29	UNIT 15		20 A	1					0 VA	0 VA	2	50 A		SPARE	30
31	UNIT 16		20 A	1	0 VA	0 VA									32
33	LIGHTS		20 A	1			0 VA	--			1	--		SPACE	34
35	SPACE		--	1					--	--	1	--		SPACE	36
37	SPACE		--	1	--	--					1	--		SPACE	38
39	SPACE		--	1			--	--			1	--		SPACE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
	CONNECTED LOAD:				0 VA		0 VA		0 VA						
	EXISTING LOAD:				0 VA		0 VA		0 VA						
	TOTAL LOAD:				0 VA		0 VA		0 VA		HIGH PHASE				
	FEED THRU AMPS:				0 A		0 A		0 A		0 VA				
	TOTAL AMPS:				0 A		0 A		0 A						

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
3	EXISTING BREAKER AND NEW LOAD	8	GFCI BREAKER	13	AFCI BREAKER
4	EXISTING BREAKER TO BECOME SPARE	9	DEDICATED BREAKER		
5	EXISTING BREAKER OFF, VERIFY SPARE	10	HANDLE TIED BREAKER		

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONN. LOAD:	0 VA
				TOTAL EST. DEMAND:	0 VA
				TOTAL CONN.:	0 A
				TOTAL EST. DEMAND:	0 A

NOTES:

NEW PANELG1, G2 &: G4

LOCATION: GARAGE
SUPPLY FROM: MDP
MOUNTING: Recessed
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASING: 3
WIRES: 4

A.I.C. RATING:
CALCULATED A.I.C.:
MAINS TYPE: MLO
MAINS RATING: 100 A
BUS RATING: MCB

CKT	CIRCUIT DESCRIPTION	CODES	TRIP	POLES	A		B		C		POLES	TRIP	CODES	CIRCUIT DESCRIPTION	CKT
1	UNIT 1		20 A	1	0 VA	0 VA					2	50 A		SPARE	2
3	UNIT 2		20 A	1			0 VA	0 VA							4
5	UNIT 3		20 A	1					0 VA	0 VA	2	50 A		SPARE	6
7	UNIT 4		20 A	1	0 VA	0 VA									8
9	UNIT 5		20 A	1			0 VA	0 VA			2	50 A		SPARE	10
11	UNIT 6		20 A	1					0 VA	0 VA					12
13	UNIT 7		20 A	1	0 VA	0 VA					2	50 A		SPARE	14
15	UNIT 8		20 A	1			0 VA	0 VA							16
17	LIGHTS		20 A	1					0 VA	--	1	--		SPACE	18
19	SPACE		--	1	--	--					1	--		SPACE	20
21	SPACE		--	1			--	--			1	--		SPACE	22
23	SPACE		--	1					--	--	1	--		SPACE	24
25	SPACE		--	1	--	--					1	--		SPACE	26
27	SPACE		--	1			--	--			1	--		SPACE	28
29	SPACE		--	1					--	--	1	--		SPACE	30
	CONNECTED LOAD:				0 VA		0 VA		0 VA						
	EXISTING LOAD:				0 VA		0 VA		0 VA						
	TOTAL LOAD:				0 VA		0 VA		0 VA		HIGH PHASE				
	FEED THRU AMPS:				0 A		0 A		0 A		0 VA				
	TOTAL AMPS:				0 A		0 A		0 A						

CODES:

1	SEE DRAWINGS FOR CONDUIT & CONDUCTORS	6	EXISTING BREAKER ON, VERIFY SPARE	11	LSI TRIP UNIT
2	EXISTING BREAKER AND LOAD TO REMAIN	7	NEW BREAKER AND LOAD	12	PROVIDE LOCK ON DEVICE
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LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONN. LOAD:	0 VA
				TOTAL EST. DEMAND:	0 VA
				TOTAL CONN.:	0 A
				TOTAL EST. DEMAND:	0 A

NOTES:

PANEL INDEX E902

G1	G2 & G4	G3

GENERAL NOTES

A. **ALL PRODUCTS AND MANUFACTURES SHALL MEET BABA CERTIFICATIONS.**

EAPC
Architecture | Engineering
Interior Design | Industrial
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112 No.Roberts Street, Suite 300, Fargo ND 58102
www.eapc.net

CLIENT
BEYOND SHELTER, INC.

PROJECT DESCRIPTION
BUFFALO MANOR
APARTMENT COMPLEX

CITY JAMESTOWN
STATE NORTH DAKOTA

ISSUE DATES

MARK	DESCRIPTION	DATE
CD	CONSTRUCTION DOCUMENTS	05/11/2026

PROJECT NO: 20245211
DRAWN BY: ML/TA
CHECKED BY: LS

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STAMP

REGISTERED PROFESSIONAL ENGINEER
LEONARD S. SCHAFF
PE-2644
DATE :05/11/2026
NORTH DAKOTA

DRAWING TITLE
SCHEDULES

E902

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Plot Date: 5/11/2026 4:02:16 PM