

# UPLANDS TOWNHOMES

DEVELOPED BY THE HOUSING AUTHORITY OF PUEBLO

PROJECT No.: I.F.B 17-524-RAD

ACERO AVE. and SPRAGUE AVE., PUEBLO, COLORADO 81004

## BLDG. D CODE STUDY SUMMARY

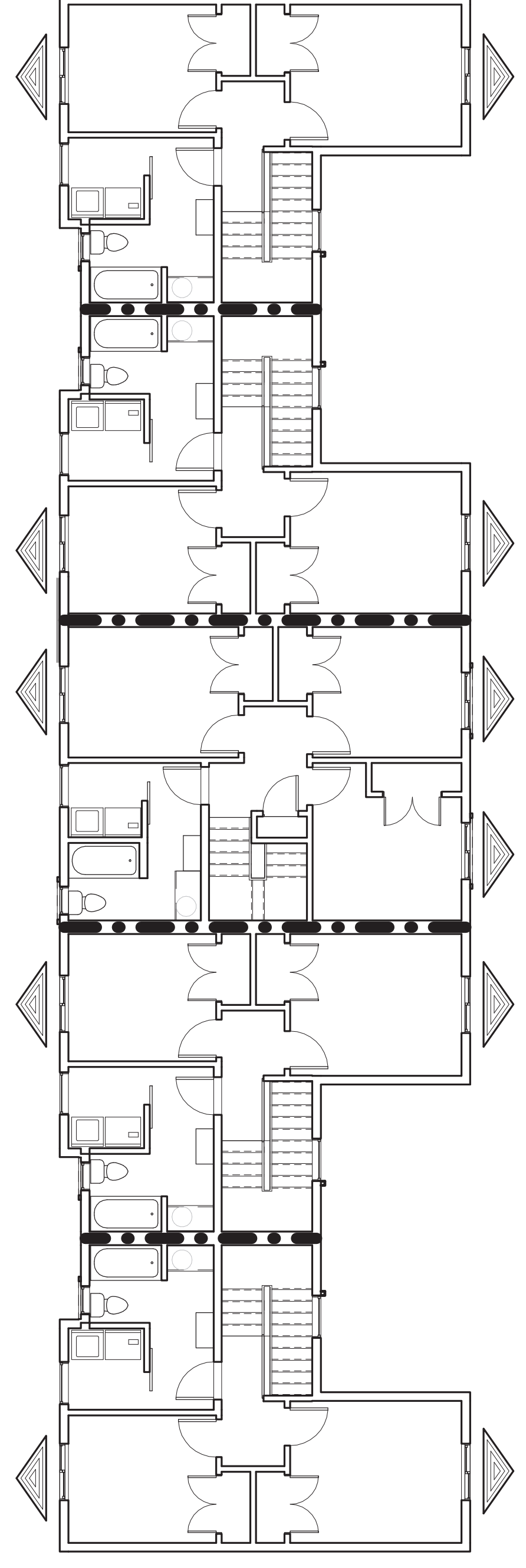
APPLICABLE CODES	2018 INTERNATIONAL BUILDING CODE UNIFORM FEDERAL ACCESSIBILITY STANDARDS
PROJECT DESCRIPTION:	NEW CONSTRUCTION - APARTMENT BUILDING
OCCUPANCY CLASSIFICATION:	R-2 RESIDENTIAL - APARTMENT BUILDING
2018 IBC CHAPTER 3	
TYPE OF CONSTRUCTION:	TYPE V-B with 1" IN. FIRE SEPARATION DISTANCE of 10'-0"
2018 IBC TABLE 603	
FIRE RESISTANCE RATING REQ. FOR BLDG. ELEMENTS:	<ul style="list-style-type: none"> <li>○ PRIMARY STRUCTURAL FRAME, 0</li> <li>○ BEARING WALLS EXTERIOR, 0</li> <li>○ NON-BEARING EXTERIOR WALLS, 0</li> <li>○ FLOOR CONSTRUCTION, 0</li> <li>○ ROOF CONSTRUCTION, 0</li> </ul>
2018 IBC TABLE 603	
TABULAR ALLOWABLE AREA PER FLOOR:	R-2 BUNK 41, 1000
2018 IBC TABLE 603.1	
2018 IBC TABLE 603.1.1	R-2 BUNK 60 FEET, 3 STORY
2018 IBC TABLE 603.1 AND 604.4	
FLOOR AREA 6000.00	
2018 IBC SECTION 202 - DEVIATIONS	
FIRST FLOOR:	3027 SQ. FT.
SECOND FLOOR:	2697 SQ. FT.
OCCUPANT LOAD:	2018 IBC TABLE 1004.1.2
OCCUPANCY:	
FUNCTION OF SPACE	81'.
LOAD FACTOR (FOR OCC.)	GROSS/NET
STORAGE - 1st FL.	200 SQ. FT.
2018 IBC TABLE 1004.1.1	14.99
RESIDENTIAL - 1st FL.	200 SQ. FT.
2018 IBC TABLE 1004.1.1	13.45
RESIDENTIAL - 2nd FL.	200 SQ. FT.
2018 IBC TABLE 1004.1.1	13.45
OCCUPANCY SEPARATION:	WALLS SEPARATING DWELLING UNITS FROM EACH OTHER AND WALLS SEPARATING DWELLING UNITS FROM OTHER OCCUPANCIES SHALL BE FIRE PARTITIONS.
2018 IBC SECTION 403	
INCIDENTAL USEA SEPARATION:	N/A
2018 IBC SECTION 509, TABLE 509	
CONDOOMS:	N/A
2018 IBC SECTION 1020	
NUMBER OF EXITS:	2 - EXITS REQUIRE
2018 IBC TABLE 1004.3.1	
TRAVEL DISTANCE:	R-2 WITH SPRINKLER SYSTEM 200 FEET.
2018 IBC TABLE 1017.2	ACTUAL MAX. TRAVEL DISTANCE 56 FEET.
AUTOMATIC SPRINKLER SYSTEM:	REQUIRED - GROUP "R" OCCUPANCIES SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13R.
2018 IBC SECTION 403.5	
FIRE ALARM SYSTEM:	R-2, 2 STORY WITH 4 DWELLING UNITS, NOT REQUIRED.
2018 IBC SECTION 507	
IFAS SECTION 107.6.2	R-2 PER IBC, TYPE A UNITS ON 2ND FLOOR UNITS ARE REQUIRED TO BE ACCESSIBLE TO TYPE A ACCESSIBLE PER IFAS. 5% OF TOTAL UNITS ON SITE REQUIRED TO BE ACCESSIBLE (91, TO TYPE A IN IBC).
2018 IBC SECTION 4.3.4	TOTAL UNITS ON SITE 72. TYPE A UNITS = 6. UNITS (GROUP IN BLOC) IN FLOOR OF ALL UNITS ARE TYPE B ACCESSIBLE IN FLOOR OF ALL UNITS ARE TYPE B ACCESSIBLE (1 + 4)
PLUMBING FIXTURES:	2018 IBC TABLE 2001 and 2018 IPC TABLE 403.1 and SECT. 413.2
PLUMBING FIXTURES PER OCCUPANCY TYPE:	REQUIRED
OCCUPANCY TYPE:	R-2 RESIDENTIAL
PROVIDED:	
W.C./BATHS	1 PER DWELLING UNIT
5	* OF FIXTURES PROVIDED
LAVATORIES	1 PER DWELLING UNIT
5	10
BATHS/SHOWERS	1 PER DWELLING UNIT
5	10
OTHER FIXTURES	1 KITCHEN PER DWELLING UNIT, 5 CLOSET WASHERS CONNECTION, 5 CLOTHES WASHER CONNECTION PER 20 UNITS
5	5 KITCHENS, 5 CLOTHES WASHERS CONNECTION, 5 CLOTHES WASHER CONNECTION

## CODE STUDY LEGEND

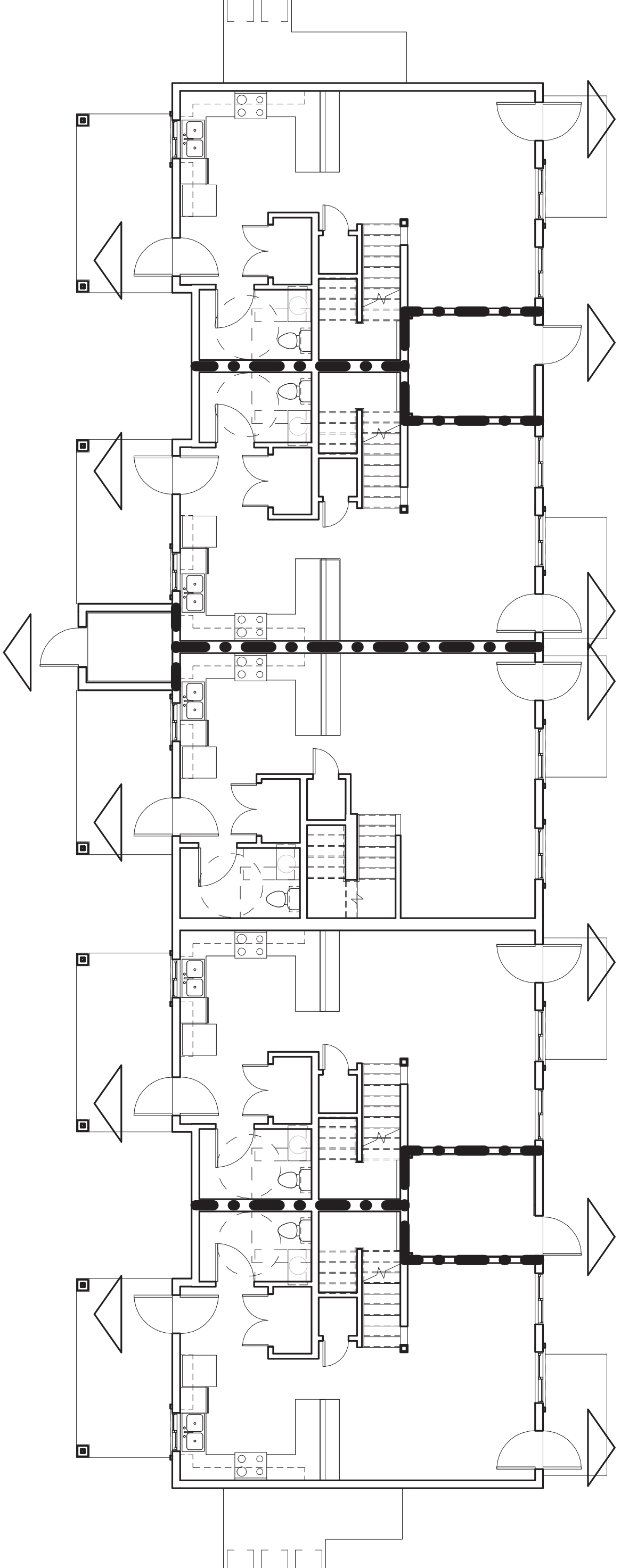
- 1-HR RATED FIRE PARTITION - SEPARATION
- ▲ BUILDING EXIT
- ▲ EGRESS/ESCAPE WINDOW

## GENERAL NOTES

1. THIS PROJECT SHALL MEET THE 2018 ENTERPRISE GREEN COMMUNITIES CRITERIA.
2. COORDINATE ALL WORK WITH ALL DISCIPLINES INCLUDING, BUT NOT LIMITED TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL.
3. PROVIDE AND INSTALL 2x6 WD. BLOCKING BETWEEN STUDS AND BEHIND GYP. BD. AS REQUIRED FOR ALL WALL MOUNTED DOOR, HOUR, CLOSET SHELVES, TOILET ACCESSORIES, GRAB BARS, VANITY COUNTERTOPS, WALL, AND BASE CABINETS, AND TELEPHONE BOARD.
4. BUILDINGS SHALL BE PROVIDED WITH AUTOMATIC FIRE SUPPRESSION SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13R. EACH UNIT SHALL HAVE A FIRE EXTINGUISHER INSTALLED ON THE FIRST FLOOR. EACH STORAGE ROOM AND WATER ENTRY NORTH ARROW NOT SHOWN ON FLOOR PLANS.
5. THE PORCH ELEVATIONS OF ALL BUILDINGS SHALL BE ORIENTED TO FACE THE STREET.
- 6.
- 7.
- 8.



2nd FLOOR CODE STUDY -  
2 BLDG. D  
SC. 1/8" = 1'-0"  
RE-A3.1A



1st FLOOR CODE STUDY -  
1 BLDG. D  
SC. 1/8" = 1'-0"  
RE-A3.1A

## BUILDING D SHEET INDEX

BLDG	COVER, CODE STUDY, INDEX
A1:0D	BUILDING D FLOOR PLANS
A1:2D	BUILDING D REFLECTED CEILING AND ROOF PLANS
A1:1D	BUILDING D ELEVATIONS
A1:2D	BUILDING DXXX ELEVATIONS
A1:3D	BUILDING D BUILDING SECTIONS, STAIR WALL INT. ELEVATION, and RADON VENT DETAIL
A3:2D	BUILDING D WALL SECTIONS
A4:1D	BUILDING D DOOR and WINDOW SCHEDULES, ELEVATIONS and DETAILS
A5:1D	BUILDING D FINISH SCHEDULE and INTERIOR ELEVATIONS
A5:2D	BUILDING D INTERIOR ELEVATIONS
S1D	FOUNDATION and MAIN FLOOR FRAMING PLANS
S2D	UPPER LEVEL and ROOF FRAMING PLANS
S3D	DETAILS and GENERAL NOTES
M1:0D	DRAWING INDEX, GENERAL NOTES, LEGENDS AND SCHEDULES
M1:1D	FIRST and SECOND FLOOR - BUILDING D - HVAC
P1:0D	DRAWING INDEX, GENERAL NOTES and LEGENDS
P1:2D	SCHEDULES and DIAGRAMS
P1:3D	MECHANICAL and ELECTRICAL BUILDING D - PLUMBING
P1:4D	FIRST and SECOND FLOOR PLANS - BUILDING D - PLUMBING
E1:0D	BLDG D - ELECTRICAL LEGENDS and SERVICE DIAGRAMS
E1:1D	BLDG D - ELECTRICAL PLANS

## PROJECT TEAM

**OWNER:**  
THE HOUSING AUTHORITY OF PUEBLO  
1000 W. SPRAGUE AVE.  
PUEBLO, CO 81003  
PH: 719-566-8976

**ARCHITECT:**  
HGF ARCHITECTS, INC.  
2602 N. ELIZABETH ST.  
PUEBLO, CO 81003  
PH: 719-543-7400  
FX: 719-546-2940

**ELECTRICAL ENGINEER:**  
KOHNET ELECTRICAL ENGINEERS  
911 S. 8TH ST, SUITE 200  
COLORADO SPRINGS, CO 80906  
PH: 719-632-4697

**MECHANICAL ENGINEER:**  
AE ASSOCIATES  
308 FILLMORE, SUITE 200  
COLORADO SPRINGS CO 80907  
PH: 719-562-9430

**STRUCTURAL ENGINEER:**  
VALENTINE ENGINEERING  
1000 W. SPRAGUE AVE.  
PUEBLO, CO 81003  
PH: 719-542-3930

**CIVIL ENGINEER:**  
ALTITUDE LAND CONSULTANTS  
201 E. LAS ANIHAS #115  
COLORADO SPRINGS, CO 80903  
PH: 719-591-9595

## DRAWING LEGEND

- DOOR TAG
- WINDOW TAG
- WALL TYPE TAG
- FLAG NOTE
- ROOM name
- ROOM NAME and NUMBER TAG
- CEILING TYPE TAG
- CEILING HEIGHT TAG



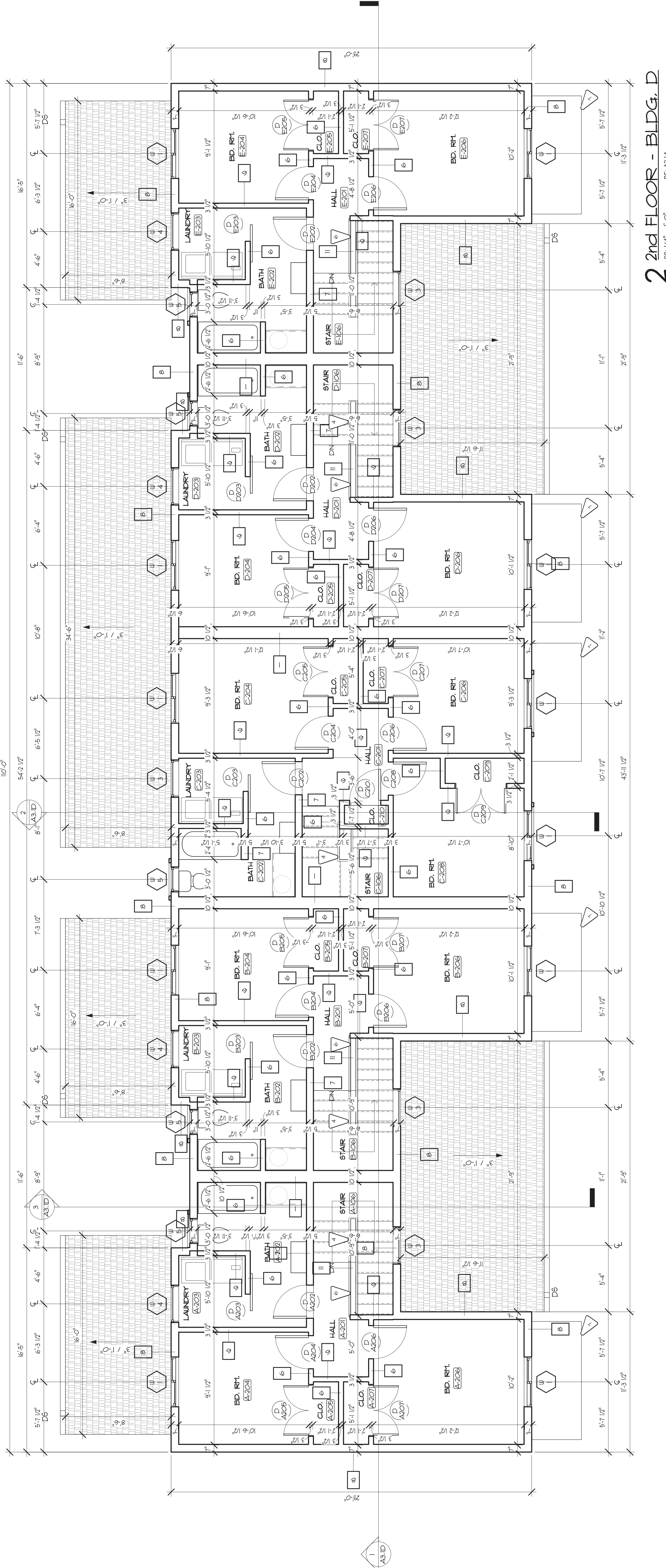
TYPE MARK	DESCRIPTION	FIRE RATING	STC RATING
1	BEARING FIRE PARTITION SEPARATION WALL (2) LAYERS 1" GYP. BD. FRATED INSIDE OF 2" TTL. CRACKERS WITH 3/4" AIR SPACE AND 2x6 WD. FRING. BOTH SIDES. PROVIDE 2" MINERAL WOOL BATT INSULATION IN CAVITY OF FRING. PROVIDE AIR SPACE ABOVE AND BELOW INSULATION. PROVIDE TYPE "X" GYP. BD. ON ONE SIDE OF FRING. CHANGER, GYP. BD. AND 3/4" AIRSPACE CORE SHALL RUN FROM TOP OF FOUNDATION TO UNDERSIDE OF FLOORING ABOVE. RE: WALL SECTIONS UL DESIGN NO. 1836.	N/A	MIN 1HR 54
2	FIRE PARTITION SEPARATION WALL: 2x4 WD. FRING. at 16" O.C. WITH 5/8" TYPE "X" GYP. ON ONE SIDE OF FRING. PROVIDE 2" MINERAL WOOL BATT INSULATION ON OTHER SIDE OF FRING. RUN FULL HEIGHT TO UNDERSIDE OF FLOORING SHEATHING. PROVIDE FULL HEIGHT INSULATION IN CAVITY OF FRING. INSULATION NO. 1831.	HR	N/A
3	FIRE PARTITION SEPARATION WALL: 2x6 WD. FRING. at 16" O.C. WITH 5/8" TYPE "X" GYP. ON ONE SIDE OF FRING. PROVIDE 2" MINERAL WOOL BATT INSULATION ON OTHER SIDE OF FRING. RUN FULL HEIGHT TO UNDERSIDE OF FLOORING SHEATHING. PROVIDE FULL HEIGHT INSULATION IN CAVITY OF FRING. INSULATION NO. 1831.	HR	N/A
4	FIRE PARTITION SEPARATION WALL: 2x4 WD. STUDS at 24" O.C. WITH 1/2" SOUNDBOARD AND 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH FIBERGLASS BATT INSULATION. PROVIDE 2" MINERAL WOOL BATT INSULATION ABOVE OR UNTIL IT BECOMES AN EXTERIOR WALL. UL DES. NO. 1887.	N/A	N/A
5	FIRE PARTITION SEPARATION WALL: 2x6 WD. STUDS at 24" O.C. WITH 1/2" SOUNDBOARD AND 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH FIBERGLASS BATT INSULATION. PROVIDE 2" MINERAL WOOL BATT INSULATION ABOVE OR UNTIL IT BECOMES AN EXTERIOR WALL. UL DES. NO. 1887.	N/A	N/A
6	2x4 WD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES FROM TOP OF FLOOR SHEATHING TO PUFFING WALL: 2x6 WD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES FROM TOP OF FLOOR SHEATHING TO UNDERSIDE OF FLOORING.	N/A	N/A
7	PORTLAND CEMENT STUCCO SYSTEM RE: SPECIFICATIONS OR: FIBER CEMENT LAP SIDING FROM FOUNDATION TO UNDERSIDE OF ROOF SOFFIT OR: PORTLAND CEMENT STUCCO SYSTEM RE: HEIGHT TO ROOF STRUCTURE WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH FIBERGLASS BATT INSULATION IN WALL CAVITIES FULL HEIGHT. ELEVATIONS.	N/A	N/A
9	2x6 WD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH FIBERGLASS BATT INSULATION. PROVIDE 2" MINERAL WOOL BATT INSULATION ABOVE OR UNTIL IT BECOMES AN EXTERIOR WALL. UL DES. NO. 1887.	N/A	N/A
10	TYPE "X" GYP. BD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES RUN TO UNDERSIDE OF COUNTERTOP ABOVE RE: INTERIOR SUPPLING STAIRS WALL: 2x4 WD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH FIBERGLASS BATT INSULATION. PROVIDE 2" MINERAL WOOL BATT INSULATION ABOVE OR UNTIL IT BECOMES AN EXTERIOR WALL. UL DES. NO. 1887.	HR	50
11	WOOD CAP RE: RE: SLOPING STAIR WALL INTERIOR HEIGHT. SLOPE ON SECTION WALL SECTION SHEET FOR HEIGHT.	N/A	N/A
12	SLOPING STAIR WALL: 2x6 WD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH FIBERGLASS BATT INSULATION. PROVIDE 2" MINERAL WOOL BATT INSULATION ABOVE OR UNTIL IT BECOMES AN EXTERIOR WALL. UL DES. NO. 1887.	N/A	N/A
13	SLOPING STAIR DOUBLE STUD WALL: 2x4 WD. STUDS at 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES RE: BUILDING SECTIONS FOR HEIGHT.	N/A	N/A
14	2x4 WD. STUDS at 24" O.C. FROM TOP OF FLOOR SHEATHING TO UNDERSIDE OF STAIR STRUCTURE.	N/A	N/A

NOTES:  
 1. ALL EXTERIOR DIMENSIONS IN 2008 IAS. FROM OUTSIDE FACE OF EXTERIOR WALL SHEATHING UNLESS OTHERWISE NOTED.  
 2. ALL INTERIOR DIMENSIONS ON FLOOR PLANS ARE FROM FACE OF STUD UNLESS OTHERWISE NOTED.  
 3. ALL INTERIOR DIMENSIONS ON FLOOR PLANS ARE FROM FACE OF STUD UNLESS OTHERWISE NOTED.  
 4. ALL INTERIOR DIMENSIONS ON FLOOR PLANS ARE FROM FACE OF STUD UNLESS OTHERWISE NOTED.  
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 14. ALL INTERIOR DIMENSIONS ON FLOOR PLANS ARE FROM FACE OF STUD UNLESS OTHERWISE NOTED.

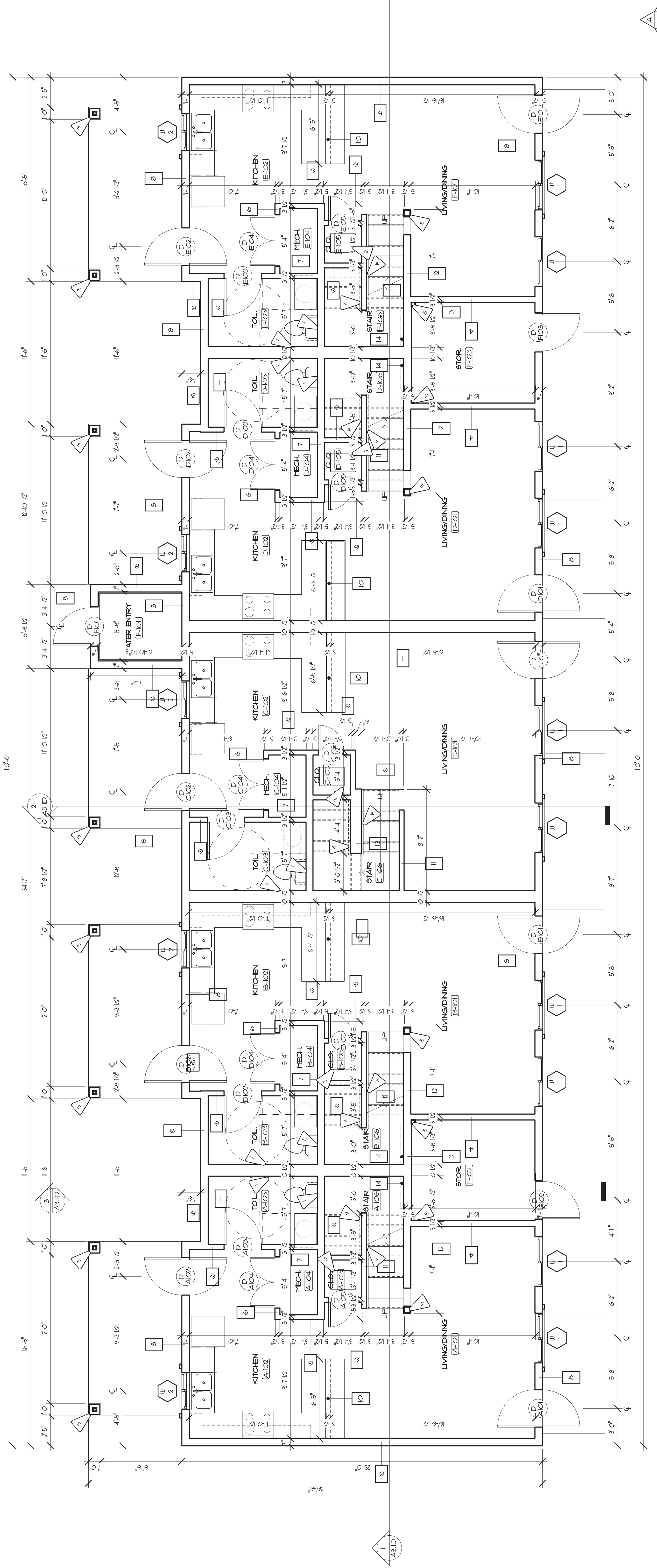
**NEW WORK FLAG NOTES**

NOTE

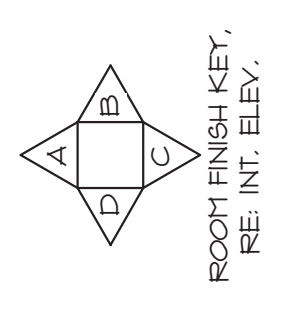
- PROVIDE BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS.
- CRACK BRACE ACCESS DOOR WITH TAPERED PROOF SCREWS.
- BRICK VENEER/STUCCO PORCH COLUMN WRAP: SUPPLY GREEN SIZE BRICK VENEER FROM TOP OF FOUNDATION TO 4'-0" AFF WITH STUCCO SYSTEM WITH FIBERGLASS BATT INSULATION. PROVIDE FELT ON FLUID APPLIED VAPOR/AIR BARRIER ON 3/4" OSB SHEATHING. 2x4 WD. FRING. FROM TOP OF BRICK TO UNDERSIDE OF STAIR HANDRAIL. 3x6" ABOVE EDGE OF STAIR NOSING. ONE SIDE OF STAIR ONLY.
- WRAP STRUCTURAL COLUMN WITH 5/8" TYPE "X" GYP. BD. 1/2" GUARD RAIL. PROVIDE 2" MINERAL WOOL BATT INSULATION. PROVIDE AND INSTALL WINDOW BLINDS AT ALL WINDOWS.



**2nd FLOOR - BLDG. D**  
 SC: 1/4" = 1'-0"  
 RE: A2.1A



**1st FLOOR - BLDG. D**  
 SC: 1/4" = 1'-0"  
 RE: A2.1A



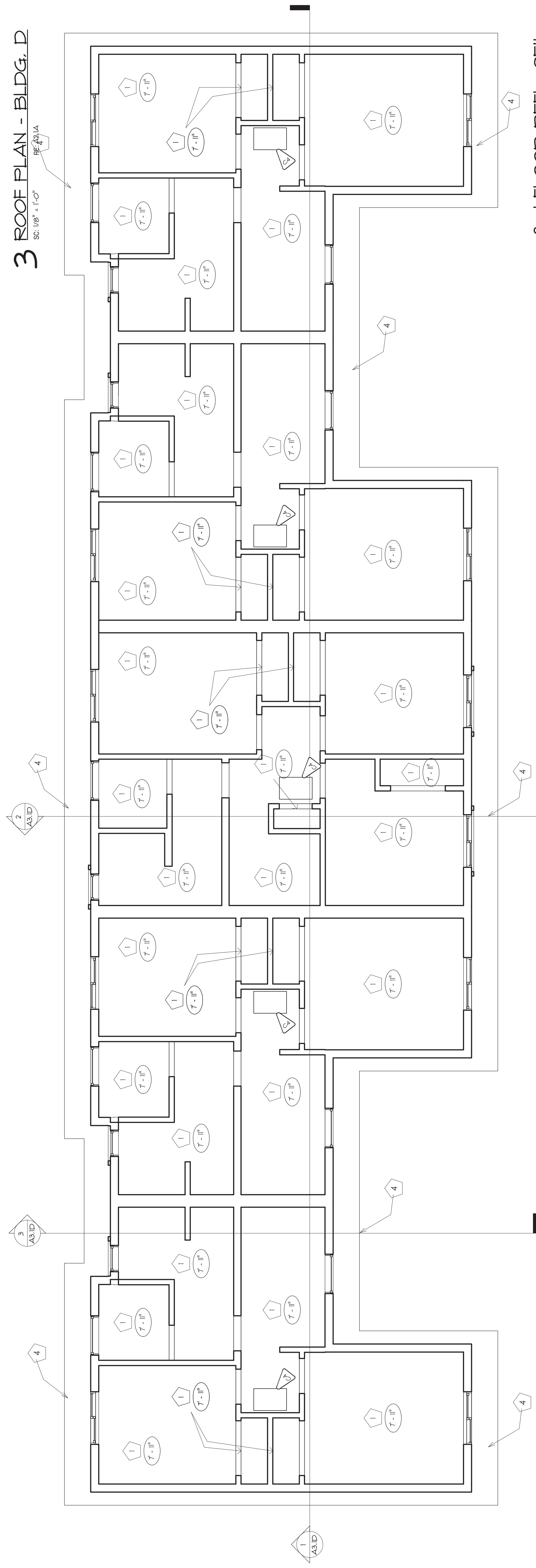


Flag Number	Description
1	5/8" TYPE "X" GYP. BD. ON ATTACHED TO UNDERSIDE OF FLOOR/ROOF FRING.
2	1/2" TYPE "X" GYP. BD. ATTACHED TO 2X UB. FRING. AT 16" O.C.
3	SUBPENDED GYP. BD. CEILING 5/8" TYPE "X" GYP. BD. ATTACHED TO 2X UB. FRING. AT 16" O.C., HANG FROM EXTERIOR HANGBOARD SOFFIT. 5/8" HANGBOARD SOFFIT ATTACHED TO UNDERSIDE OF ROOF FRAMING.

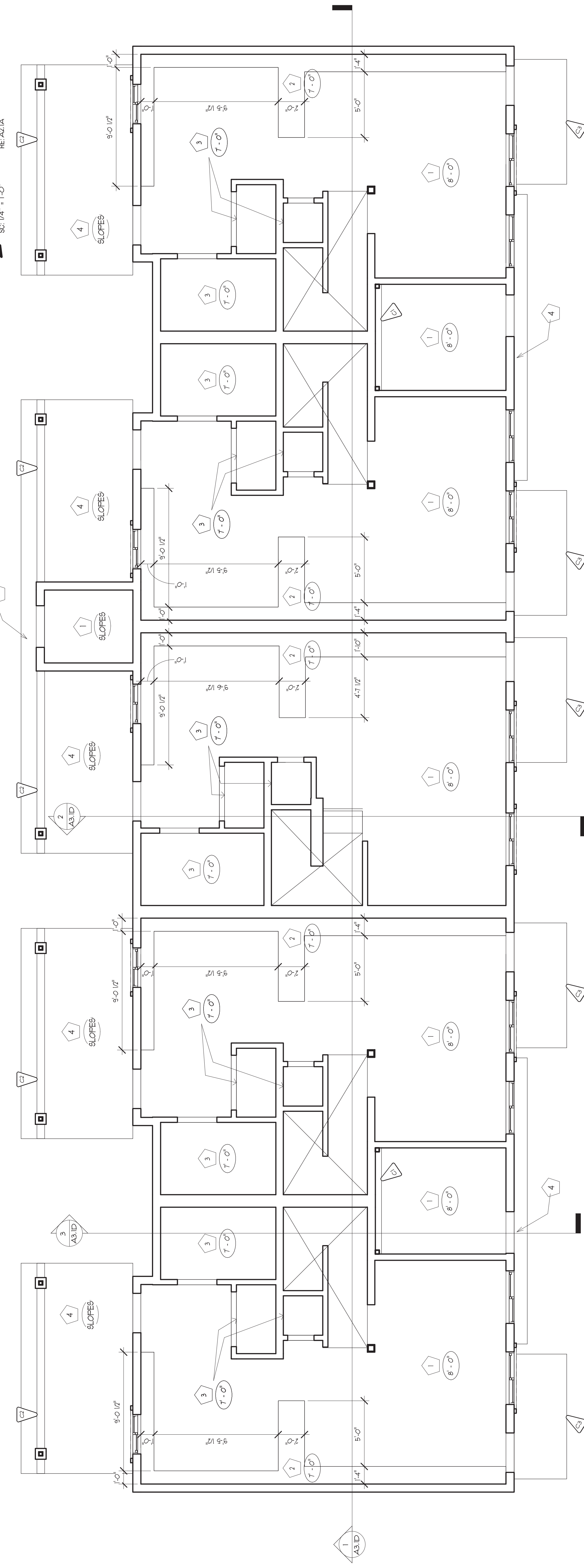
  

Flag Note	NOTE
C1	WRAP BEAT at PORCH with PORTLAND CEMENT OVER 1/2" GYP. BD. WITH 1/2" X 1/2" MESH LATH OVER 10 LAYER 9 to 5 BILT. PRE-FABRICATED METAL RAINING.
C3	MIN. 20"x30" ATTIC ACCESS HATCH

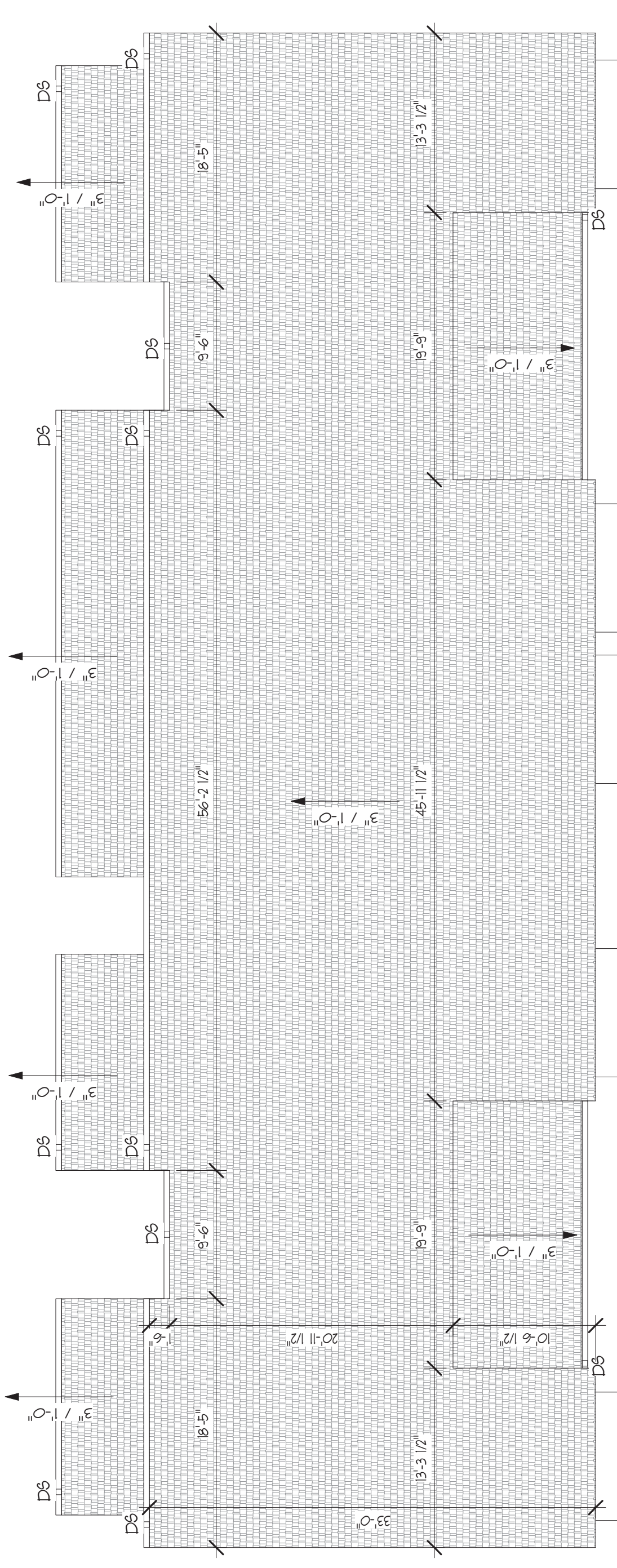
**3 ROOF PLAN - BLDG. D**  
 SC: 1/8" = 1'-0"  
 REF: A21A



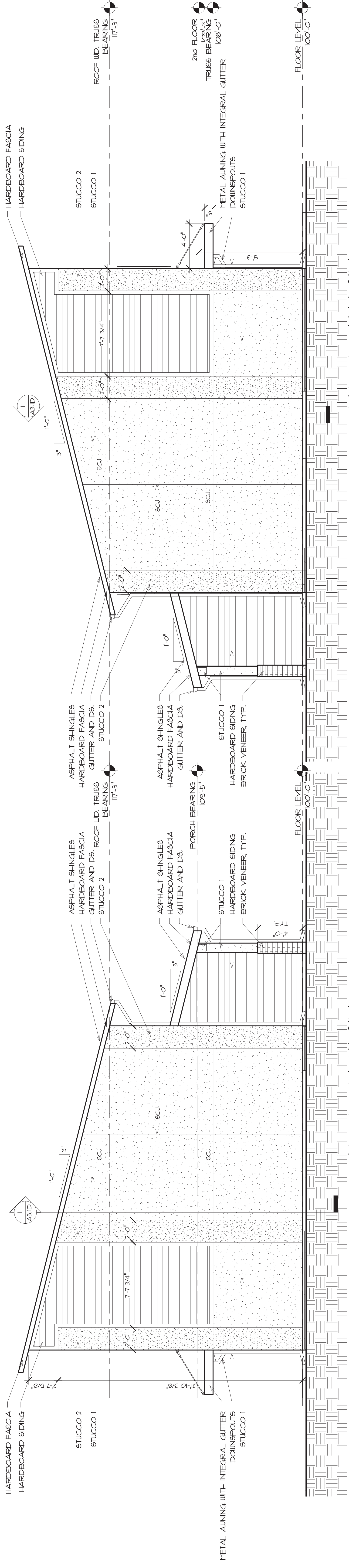
**2nd FLOOR REFL. CELL. PLAN - BLDG. D**  
 SC: 1/4" = 1'-0"  
 REF: A21A



**1st FLOOR REFL. CELL. PLAN - BLDG. D**  
 SC: 1/4" = 1'-0"  
 REF: A21A





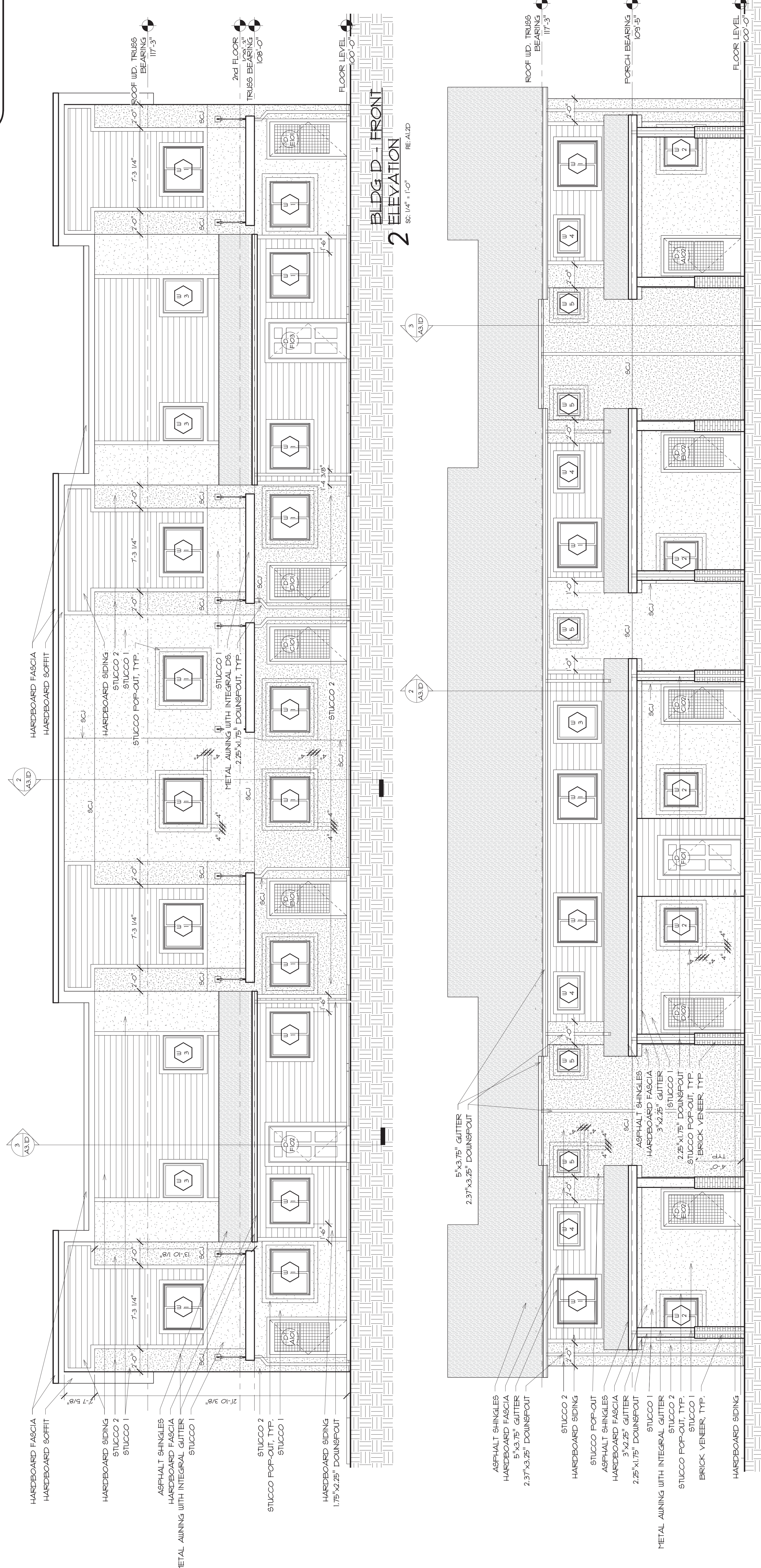


**3 ELEVATION**  
BLDG D - LEFT SIDE  
SC: 1/4" = 1'-0"  
RE

**4 ELEVATION**  
BLDG D - RIGHT SIDE  
SC: 1/4" = 1'-0"  
RE

**ELEVATION GENERAL NOTES:**

1. PROVIDE AND INSTALL EXPANSION JOINT AND CALK CONTINUOUSLY AT ALL STUCCO TO HARDBOARD SIDING JOINTS. RE: SPECIFICATIONS.
2. PROVIDE AND INSTALL STUCCO CONTROL JOINT (SCJ) EVERY 12'-0" VERTICALLY AND HORIZONTALLY BETWEEN STUCCO COLOR CHANGES, AND AT EVERY OTHER LOCATION INDICATED. RE: SPECIFICATIONS.

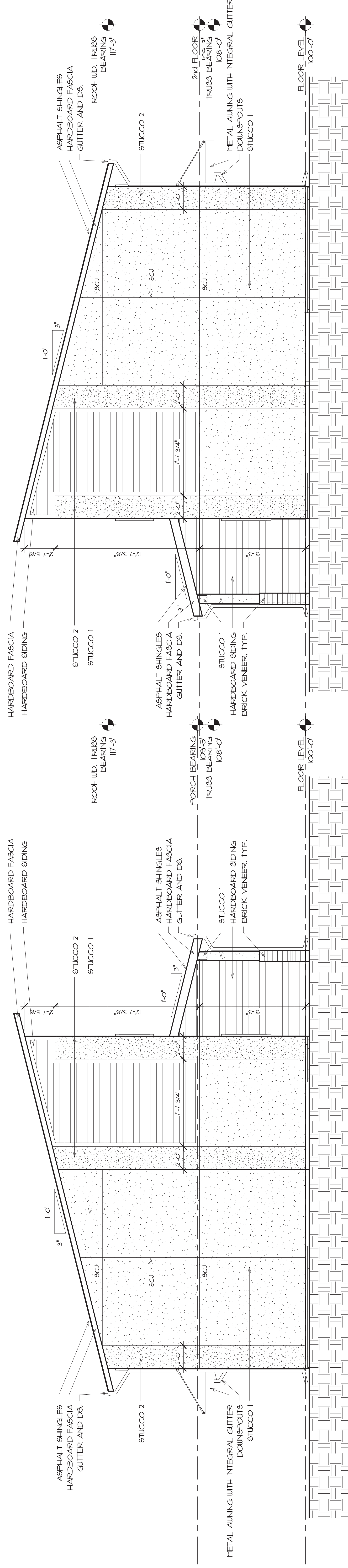


**2 ELEVATION**  
BLDG D - FRONT  
SC: 1/4" = 1'-0"  
RE: A1,2,3

**1 ELEVATION**  
BLDG D - BACK  
SC: 1/4" = 1'-0"  
RE

NOTE: REFER TO THIS SHEET for BUILDING D2 for ELEVATIONS. RE: SITE PLAN

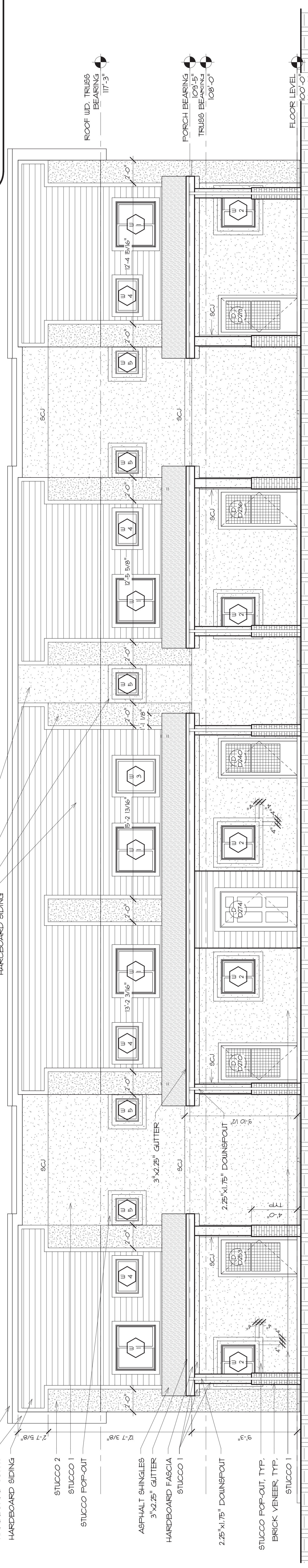




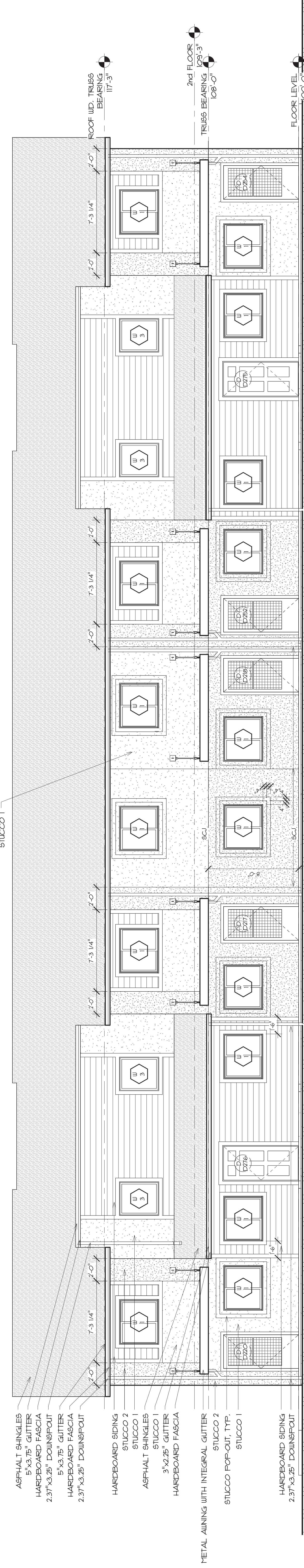
**3 LEFT SIDE ELEVATION**  
RE: SC: 1/4" = 1'-0"

**4 RIGHT SIDE ELEVATION**  
RE: SC: 1/4" = 1'-0"

**ELEVATION GENERAL NOTES:**  
1. PROVIDE AND INSTALL EXPANSION JOINT AND CALLS CONTINUOUSLY AT ALL STUCCO TO HARDBOARD SIDING JOINTS. SEE SPECIFICATIONS.  
2. PROVIDE AND INSTALL STUCCO CONTROL JOINT (SCJ) EVERY 12'-0" VERTICALLY AND HORIZONTALLY. PROVIDE COLOR CHANGES, AND AT EVERY OTHER LOCATION INDICATED. SEE SPECIFICATIONS.



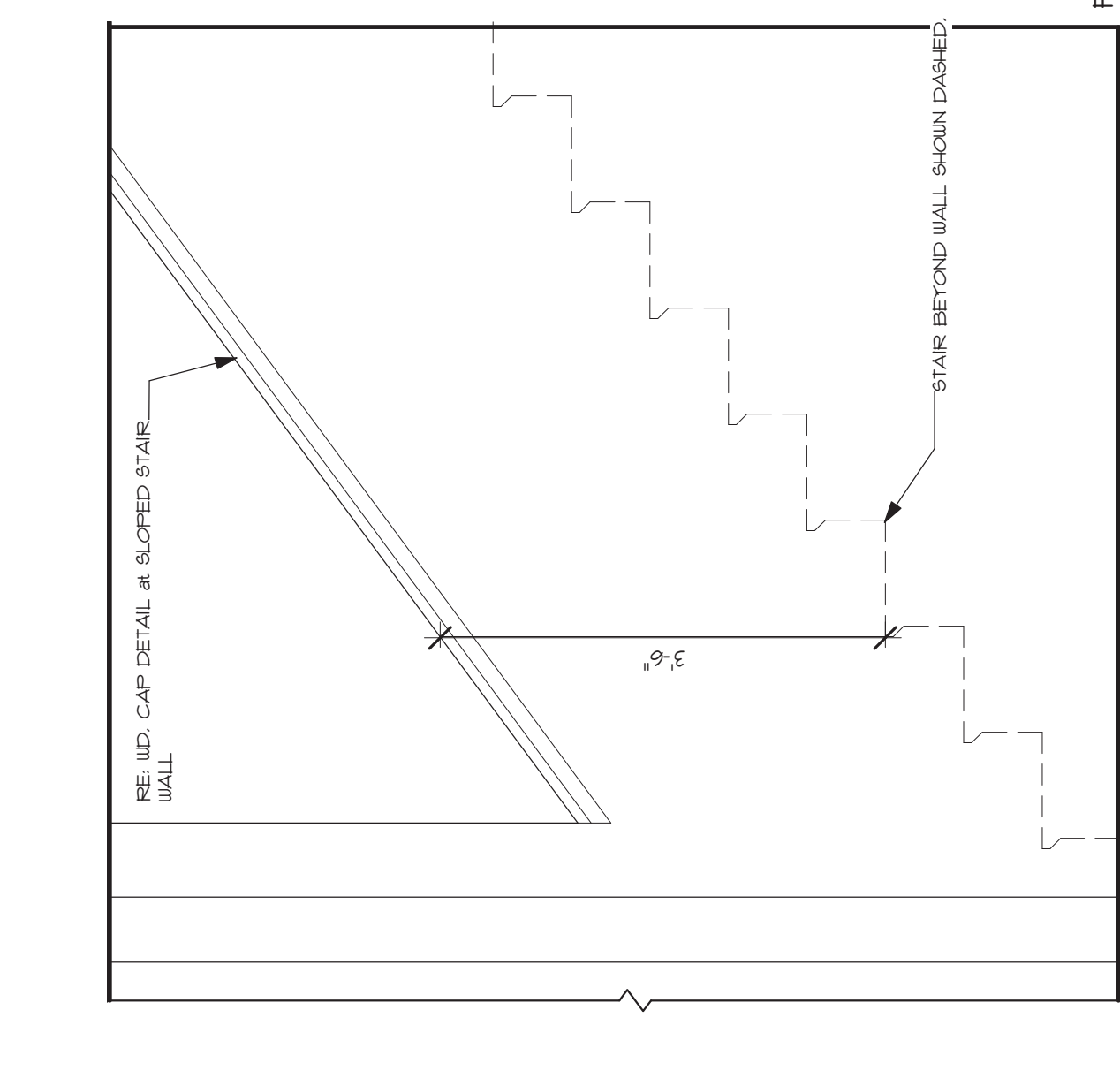
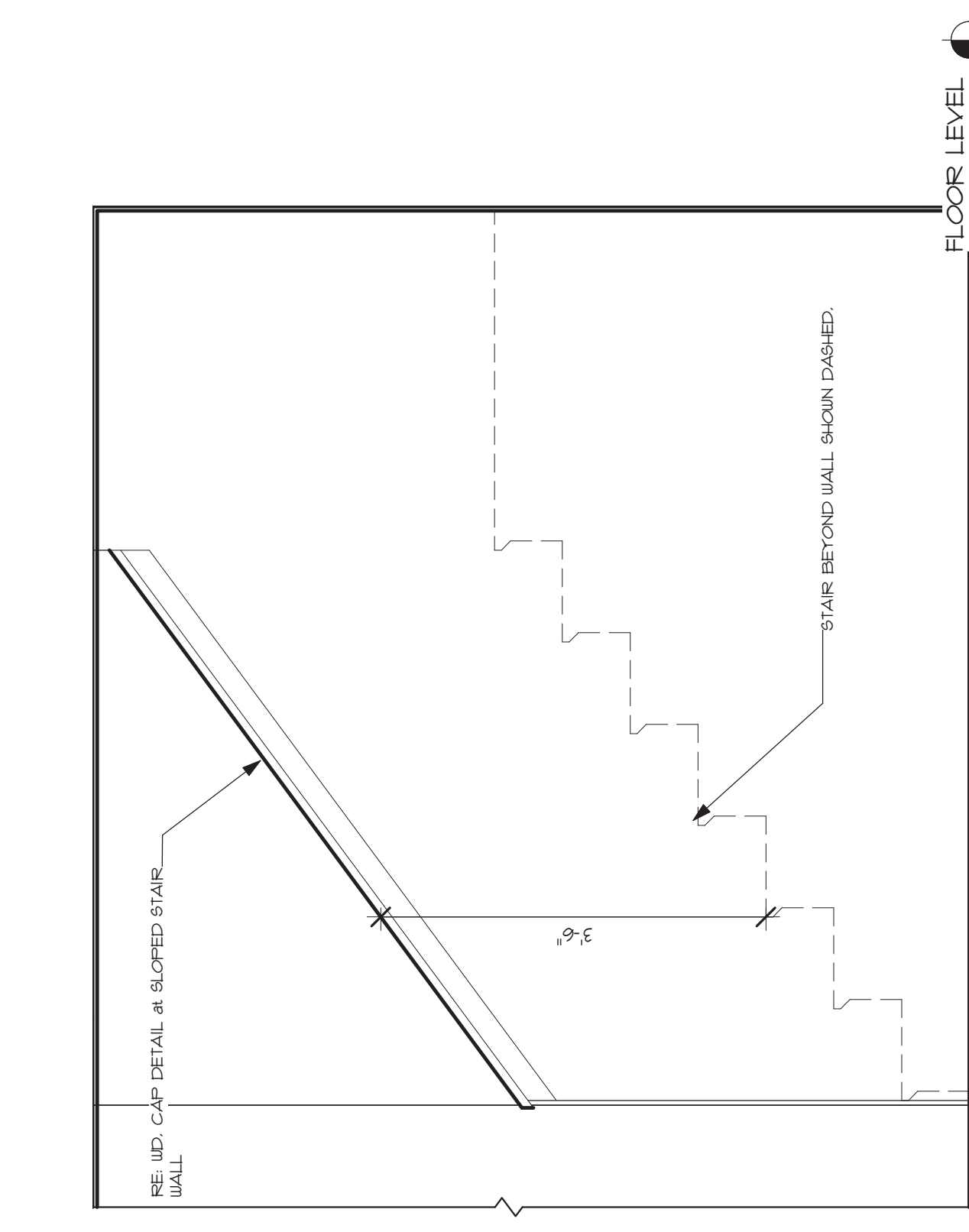
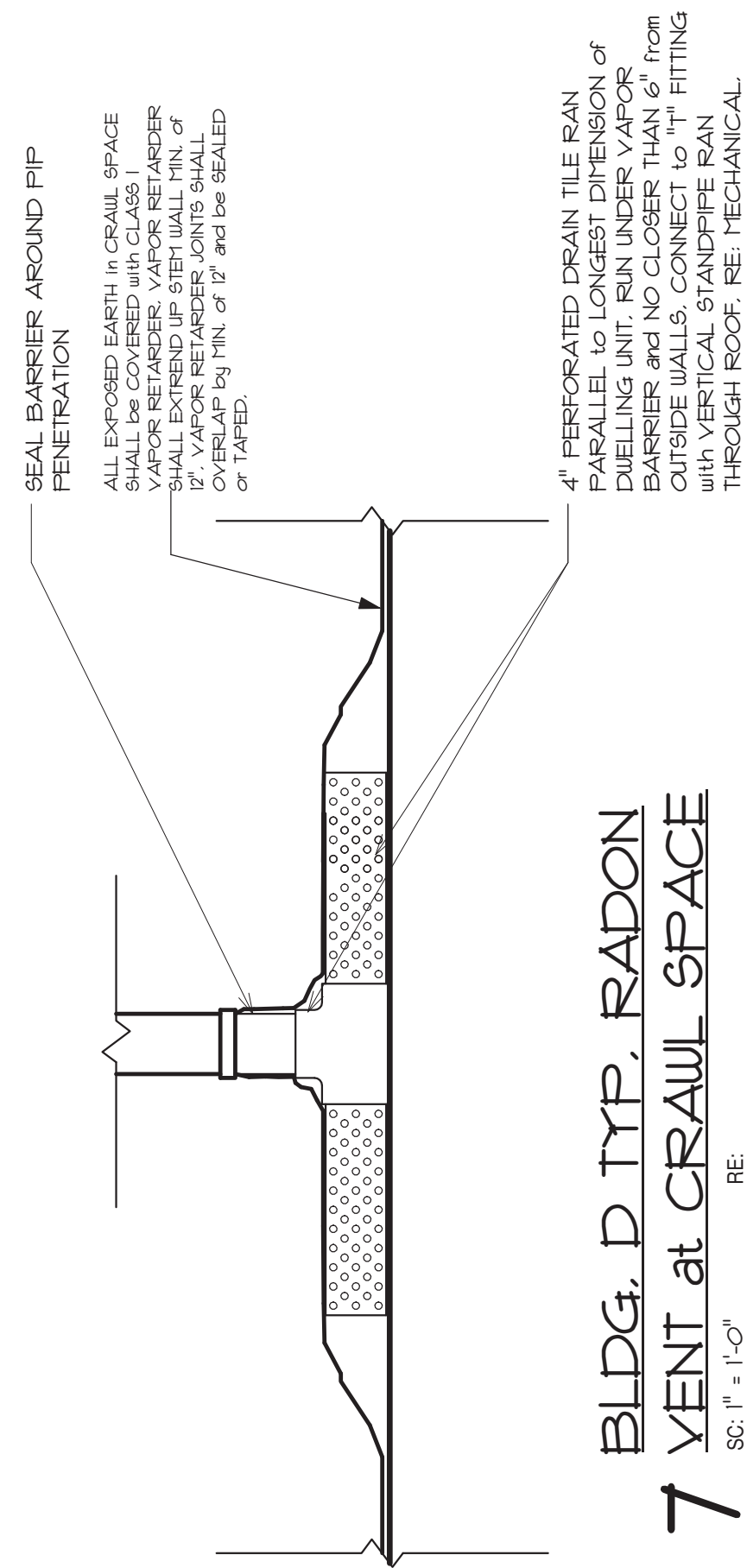
**2 BACK ELEVATION**  
RE: SC: 1/4" = 1'-0"



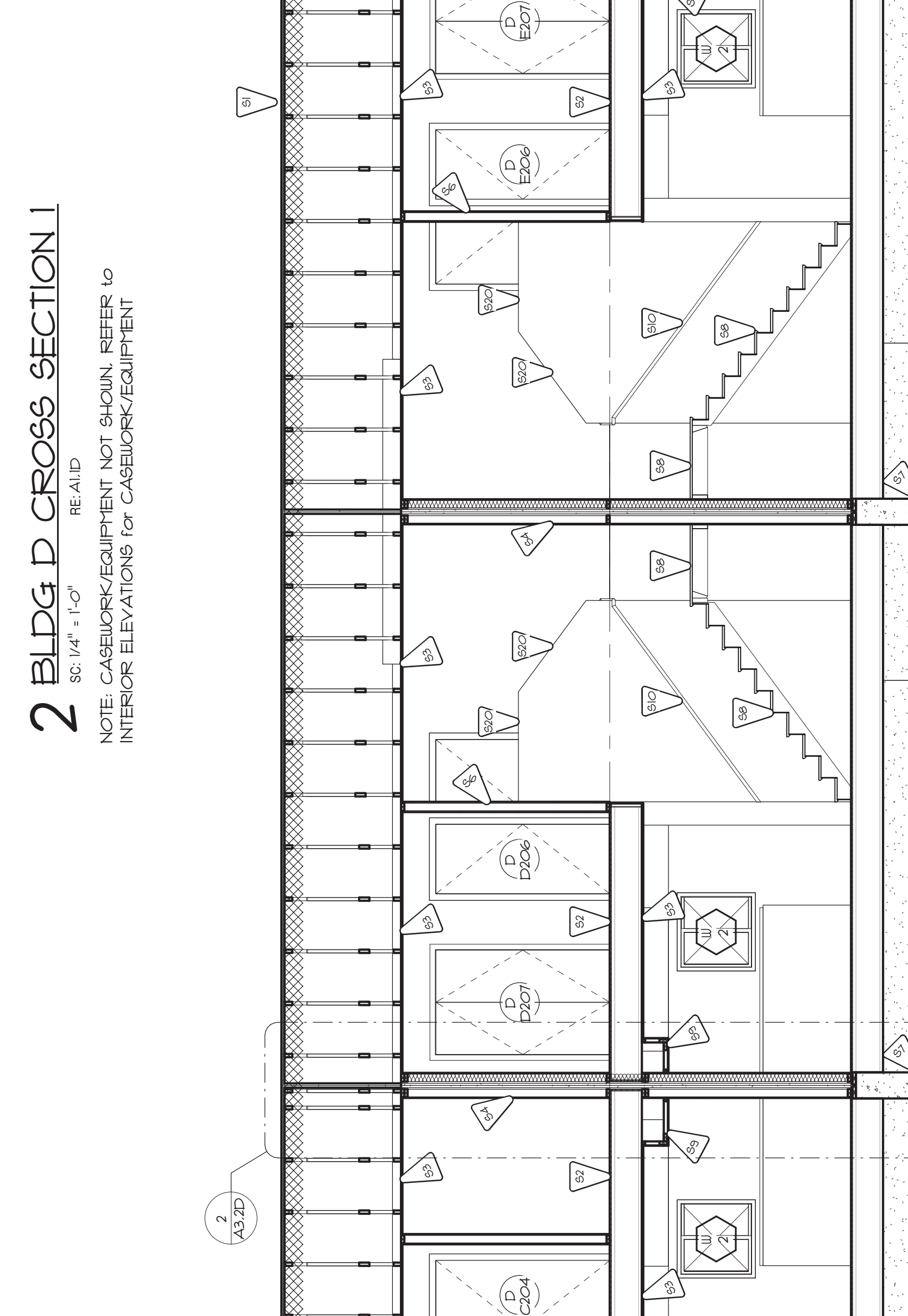
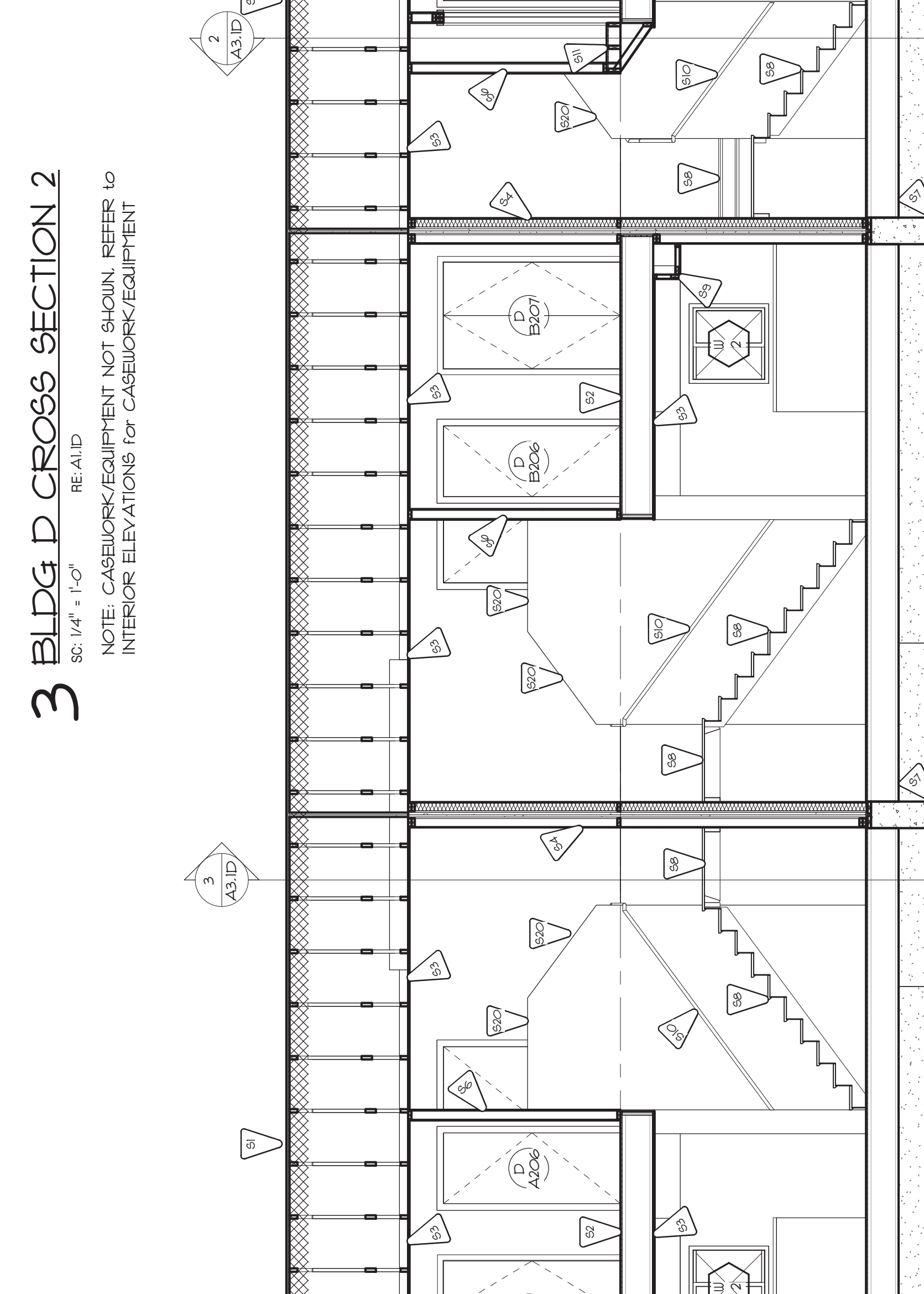
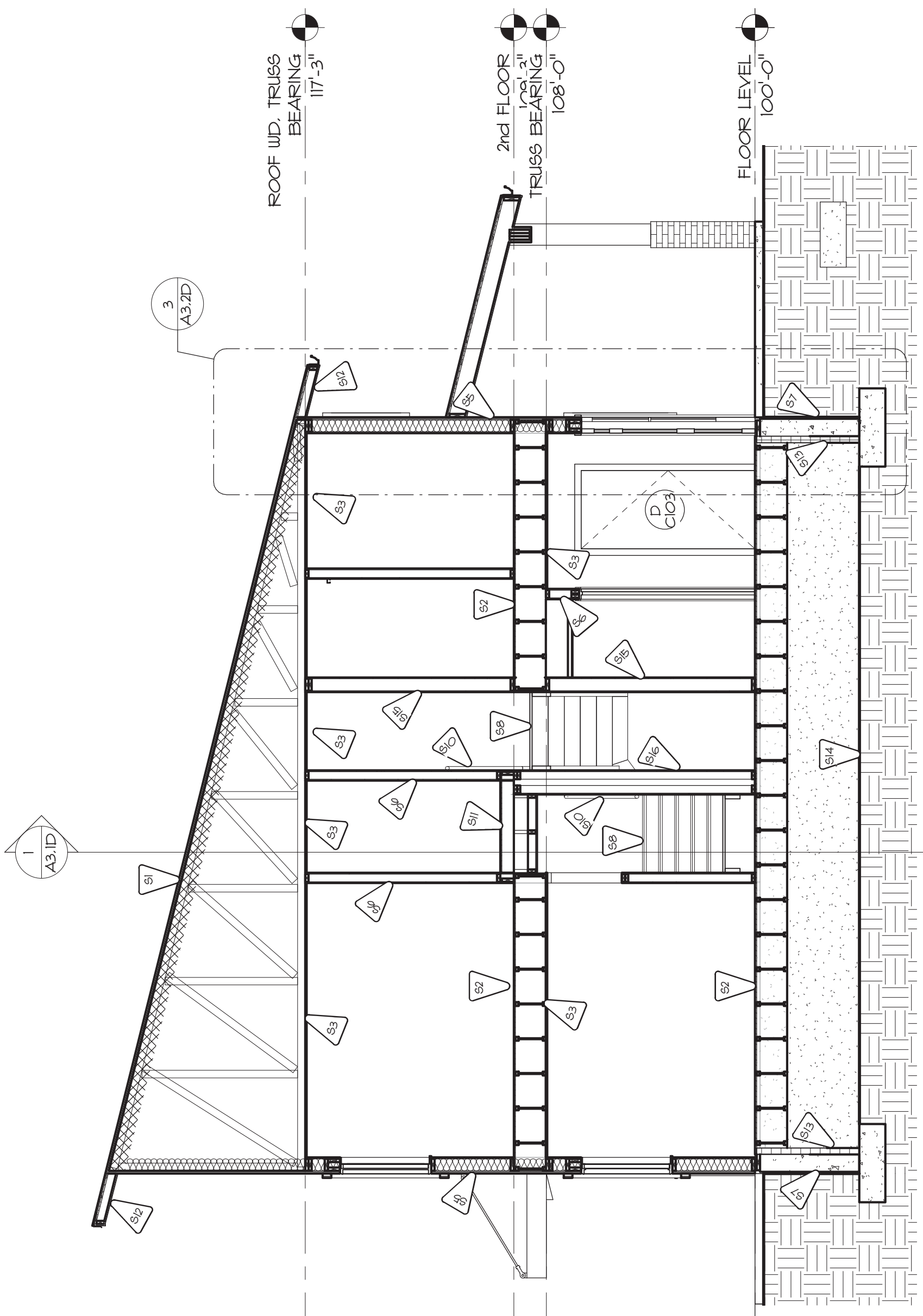
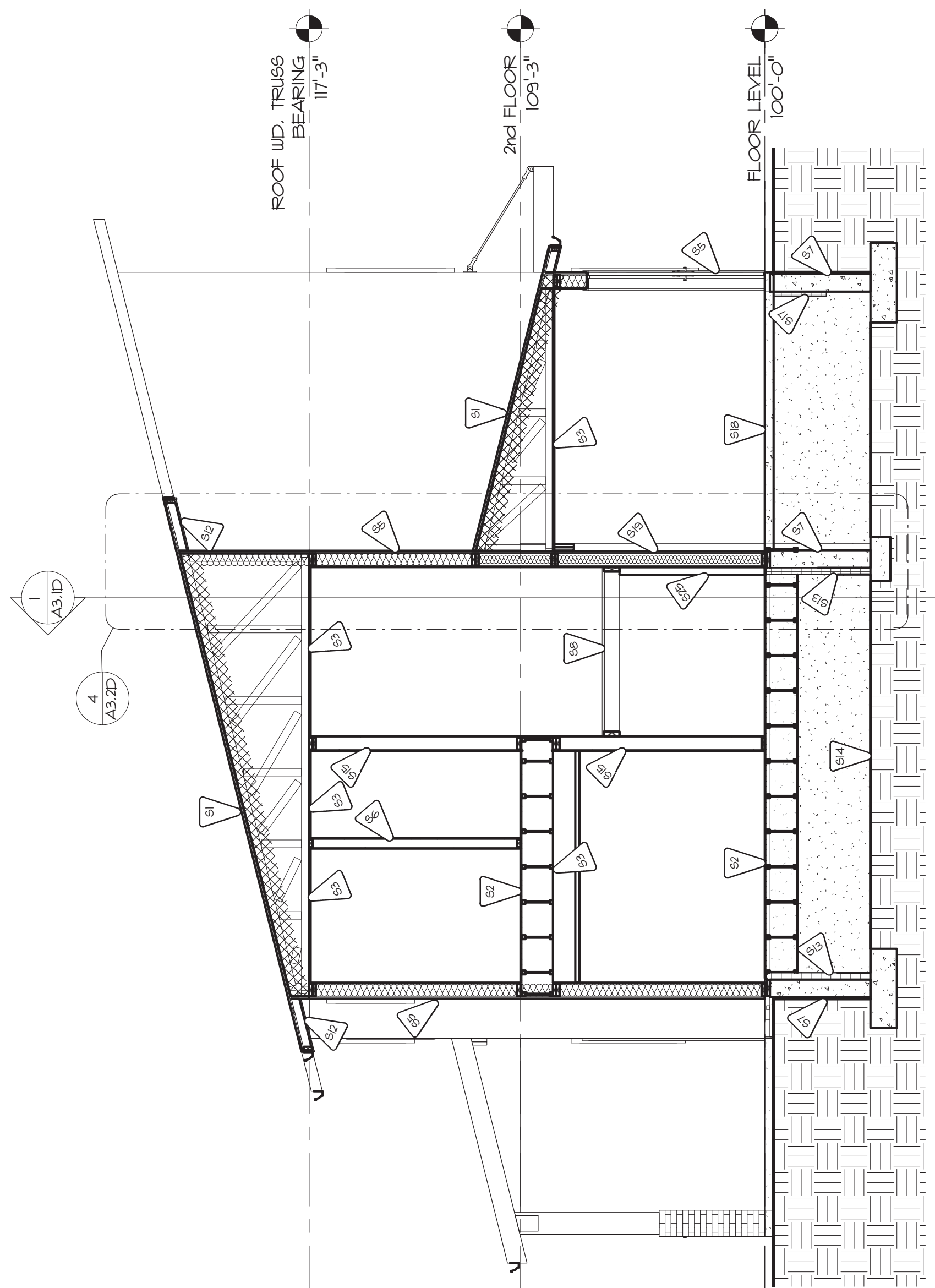
**1 FRONT ELEVATION**  
RE: SC: 1/4" = 1'-0"

NOTE: REFER TO THIS SHEET FOR BUILDING D1 FOR ELEVATIONS. RE: SITE PLAN





Flag Note Number	NOTE
51	CLASS A, 30 gr. min. ASPHALT SATURATED SHINGLES. COLOR TO BE SELECTED FROM MANUFACTURERS STANDARD COLOR RANGE ON (2) TWO LAYERS 30 lb. FELT ON 5/8" OSB. PROVIDE 1/2" MIN. OVERLAP. PROVIDE R-49 SPRAYED-ON FIRE-RG. WOOD TRUSS. PROVIDE R-49 SPRAYED-ON CLOSED CELL FOAM INSUL. TO UNDERSIDE OF ROOF.
52	FINISH CEILING 5/8" TYPE "X" GYP. BD. ON UNDERSIDE OF ROOF/FLOOR FRG.
53	FINISH FLOOR 3/4" T&G PL. UD. OVER UD. 1-1/2" x 16" O.C. BEARING FIRE PARTITION SEPARATION WALL (2) LAYERS 1/2" TYPE "X" GYP. BD. ON BOTH SIDES. PROVIDE 3" MINERAL WOOL INSULATION BETWEEN PARTITION WALLS. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES. PROVIDE 3" MINERAL WOOL BARRIER/RESISTANCE WITH 1/2" TYPE "X" GYP. BD. ON ONE SIDE ONLY. 7" HTL. C-RUNNER, GYP. BD. AND 3/4" AIRSPACE CORE SHALL RUN FROM TOP OF PARTITION WALL TO TOP OF PARTITION WALL. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES OF PARTITION WALL. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES OF PARTITION WALL. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES OF PARTITION WALL.
54	EXTERIOR LAP SIDING/STUCCO WALL. RE: WALL TYPES SHEETOS 24 UD. FRAMED WALL. RE: WALL TYPES. FOUNDATION RE: STRUCTURAL.
55	WOOD STAIR RISERS AND TREAD DO NOT PENETRATE ADJACENT FIRE RATED WALLS WITH STAIR STRUCTURE. GYP. BD. SORTIT 5/8" TYPE "X" GYP. BD. ON ONE SIDE OF WALL. PROVIDE 1/2" TYPE "X" GYP. BD. ON OTHER SIDE OF WALL. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES OF WALL. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES OF WALL.
56	UD. STAIR HAND RAIL. AT 3'-0" H. FROM FRONT EDGE OF TREAD USING SLOPED CEILING. AT STAIRS 24 UD. FRG. AT CLOSET FLOOR WITH 24 FRG. AT SLOPED CEILING WITH 5/8" TYPE "X" GYP. BD. ON CEILING.
57	EXTERIOR NON-PERFORATED HANDBOARD SORTIT 5/8" TYPE "X" GYP. BD. ON CEILING. INSULATION EXTEND FROM THE FLOOR ABOVE DOWN 1/2" FULL LENGTH OF 9TH WALL.
58	ALL EXPOSED EARTH IN CRAWL SPACE SHALL BE COVERED WITH CLASS II RADON RESISTANT MEMBRANE. THE MEMBRANE SHALL EXTEND UP STEEL WALL MIN. 6" ABOVE FINISH FLOOR AND BE SEALED TO THE JOINT. THE MEMBRANE SHALL BE TYPED.
59	VAPOR RETARDER CONIST SHALL OVERLAP BY MIN OF 12" AND BE SEALED AT Joints. WALL. RE: WALL TYPES.
60	MIN. R-10 CONTINUOUS INSULATION RUN DOWN FROM UNDERSIDE OF SLAB FOR 7'-0".
61	4" THK. CONCRETE SLAB. RE: STRUCTURAL.
62	2x6 UD. 9TD WALL. RE: WALL TYPES. SLOPED STAIR WALL WOOD WALL CAP. RE: UD. CAP DETAIL.
63	FIRE PARTITION SEPARATION WALL WITH SOUNDBOARD. RE: CLASS A, 30 gr. min. ASPHALT SATURATED SHINGLES. COLOR TO BE SELECTED FROM MANUFACTURERS STANDARD COLOR RANGE ON (2) TWO LAYERS 30 lb. FELT ON 5/8" OSB. PROVIDE 1/2" MIN. OVERLAP. PROVIDE R-49 SPRAYED-ON FIRE-RG. WOOD TRUSS. PROVIDE R-49 SPRAYED-ON CLOSED CELL FOAM INSUL. TO UNDERSIDE OF ROOF.
64	PORTLAND CEMENT STUCCO SYSTEM SPECIFICATIONS -OR- FIBER CEMENT LAP SIDING ON FLUID APPLIED VAPOR/RESISTANCE WITH 1/2" TYPE "X" GYP. BD. ON INSULATION ON INSIDE OF EXTERIOR SHEATHING IN ATTIC SPACE.
65	STAIR FRONT WALL 2x4 UD. FRG. AT 24" O.C. FROM TOP OF SPACE. PROVIDE 1/2" TYPE "X" GYP. BD. ON BOTH SIDES. RE: NEXT TO SINGLE 2x6 9TD FIRE RATED WALL.

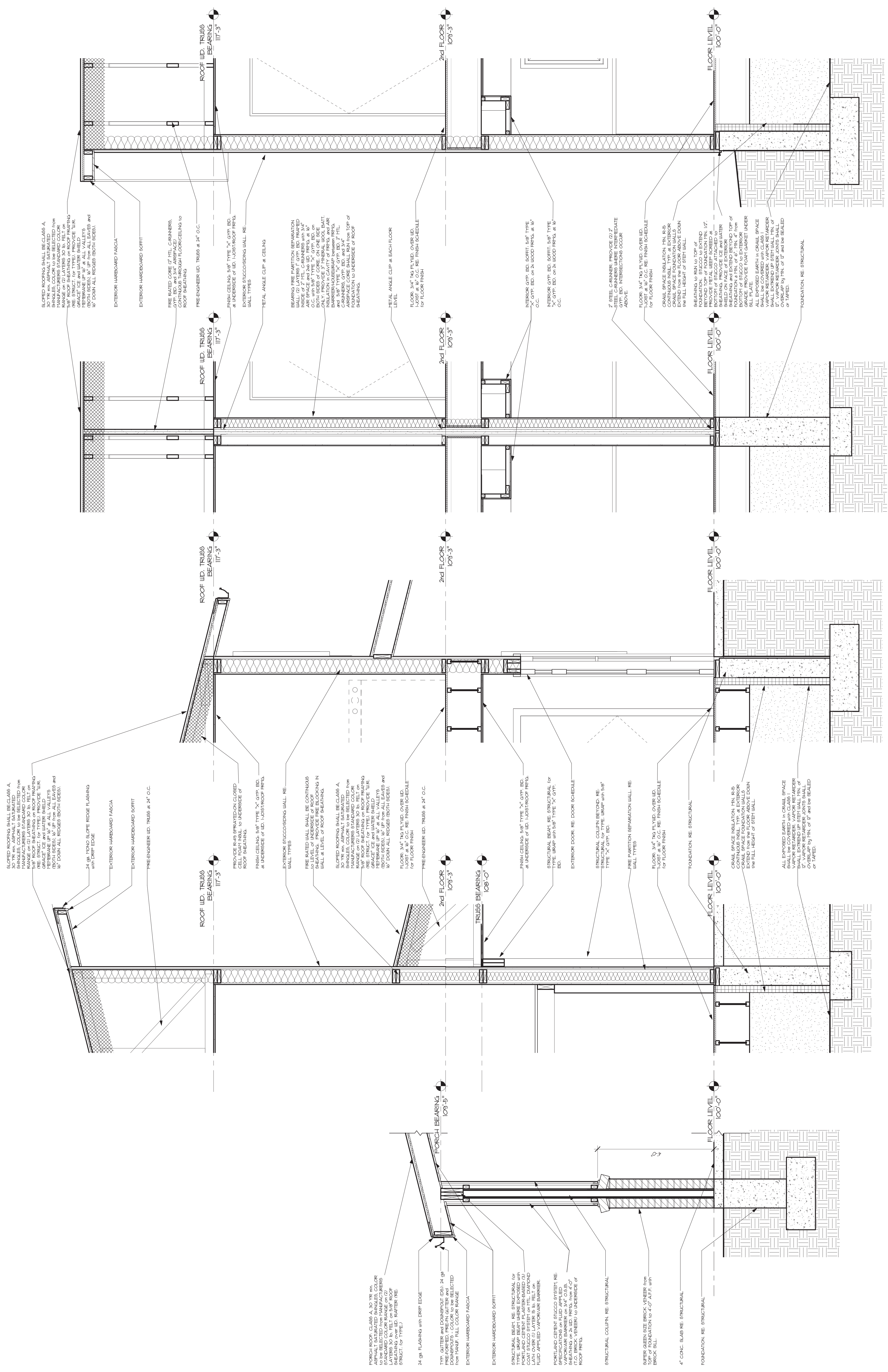


GENERAL NOTES:  
1. AT ALL EXTERIOR SLABS LOCATED DIRECTLY ADJACENT TO BUILDING FOUNDATIONS, THE CONC. PAD IS FOUNDATION WITH #4 REBAR DOSEL @ 24" O.C., TYP.

NOTE: SECTIONS THIS SHEET ARE SHOWN THROUGH BUILDING D2, 2nd STORY ROOF SLOPES OPPOSITE IN BUILDING D1. RE: ELEVATIONS and SITE PLAN.



NOTE: WALL SECTIONS THIS SHEET are SHOWN THROUGH BUILDING D2, 2nd STORY ROOF SLOPES OPPOSITE in BUILDING D1, RE: ELEVATIONS and SITE PLAN.



5 COLUMN DETAIL  
 SC: 3/4" = 1'-0"  
 RE-A3.1A

4 BLDG. D TYP. PORCH  
 SC: 3/4" = 1'-0"  
 RE-A3.2D

3 BLDG. D WALL SECTION 3  
 SC: 3/4" = 1'-0"  
 RE-A3.1D

2 BLDG. D WALL SECTION 2  
 SC: 3/4" = 1'-0"  
 RE-A3.1D

1 BLDG. D WALL SECTION 1  
 SC: 3/4" = 1'-0"  
 RE-A3.1D



D SCHEDULE BUILDING TYPE D

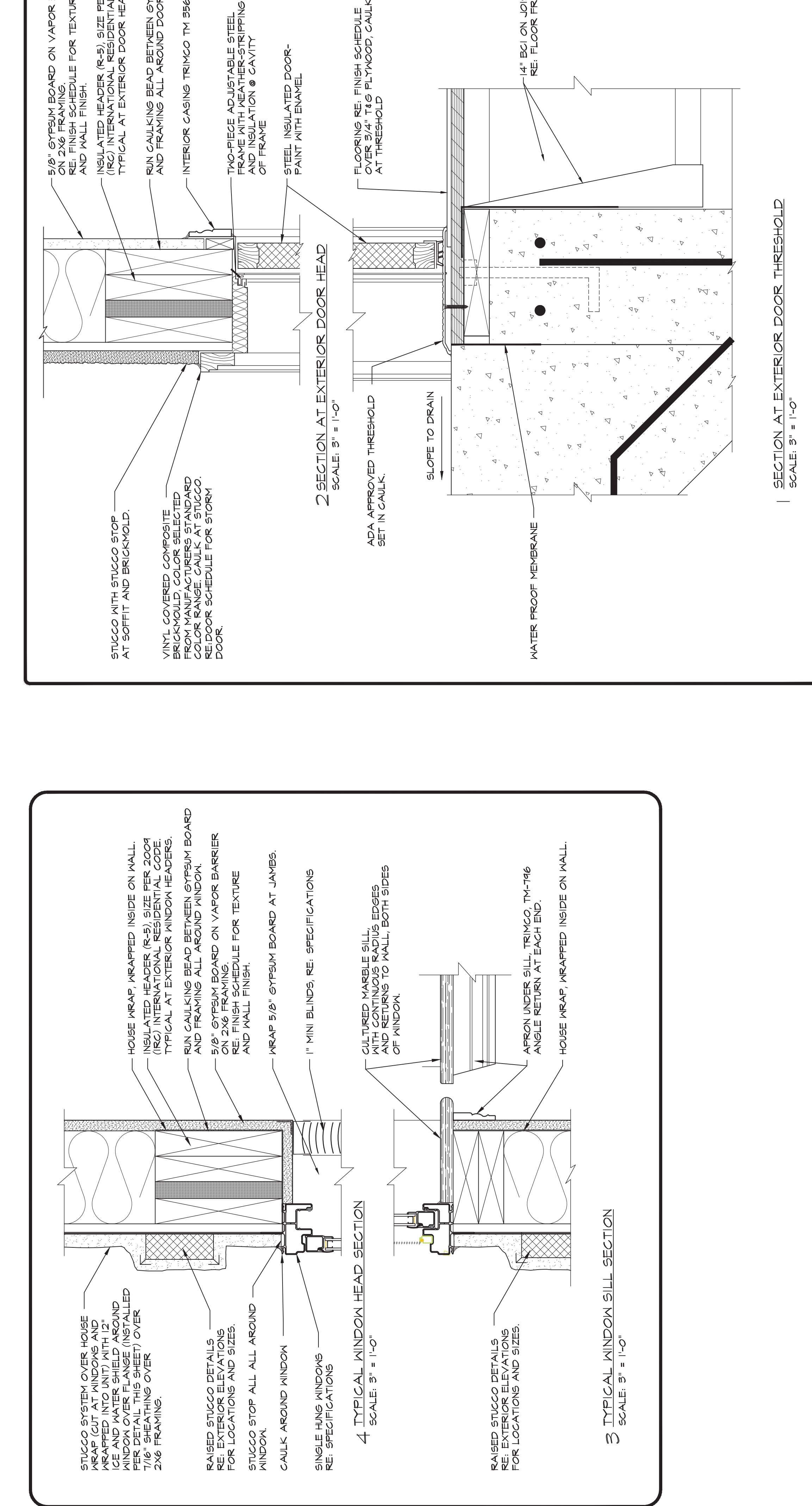
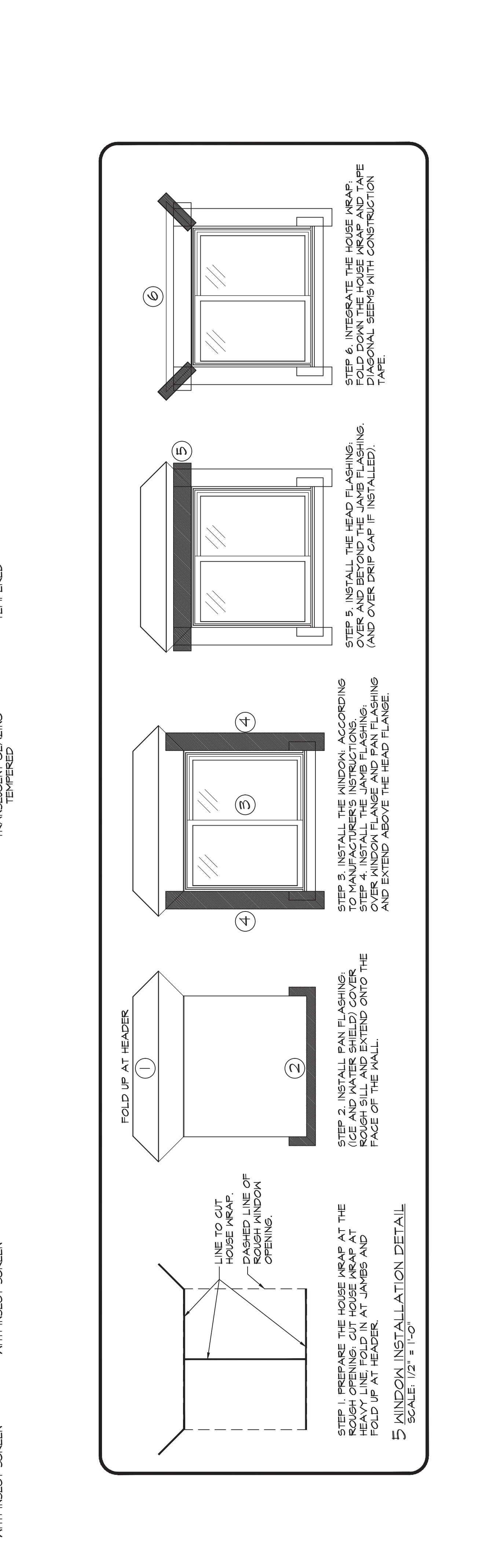
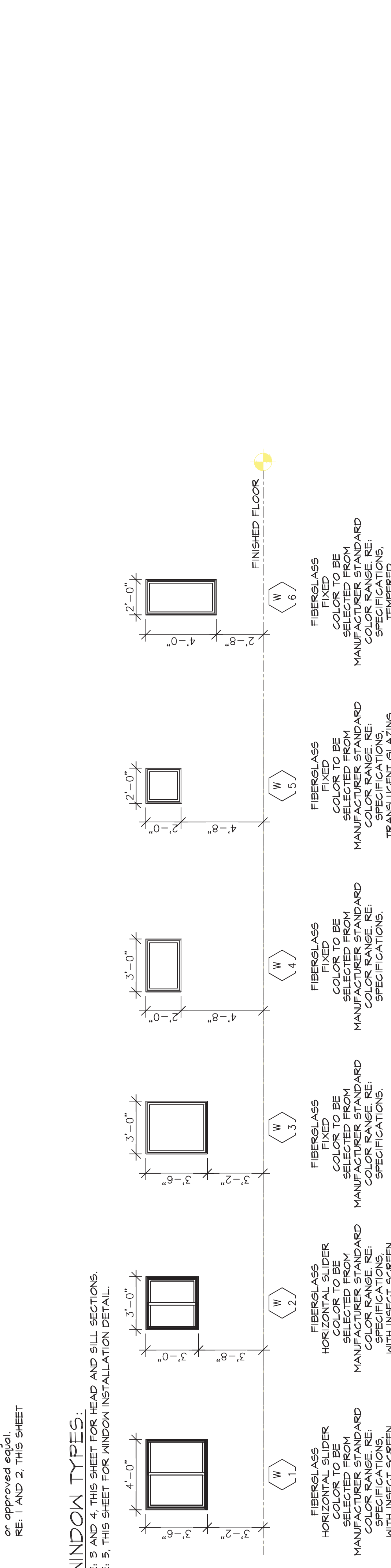
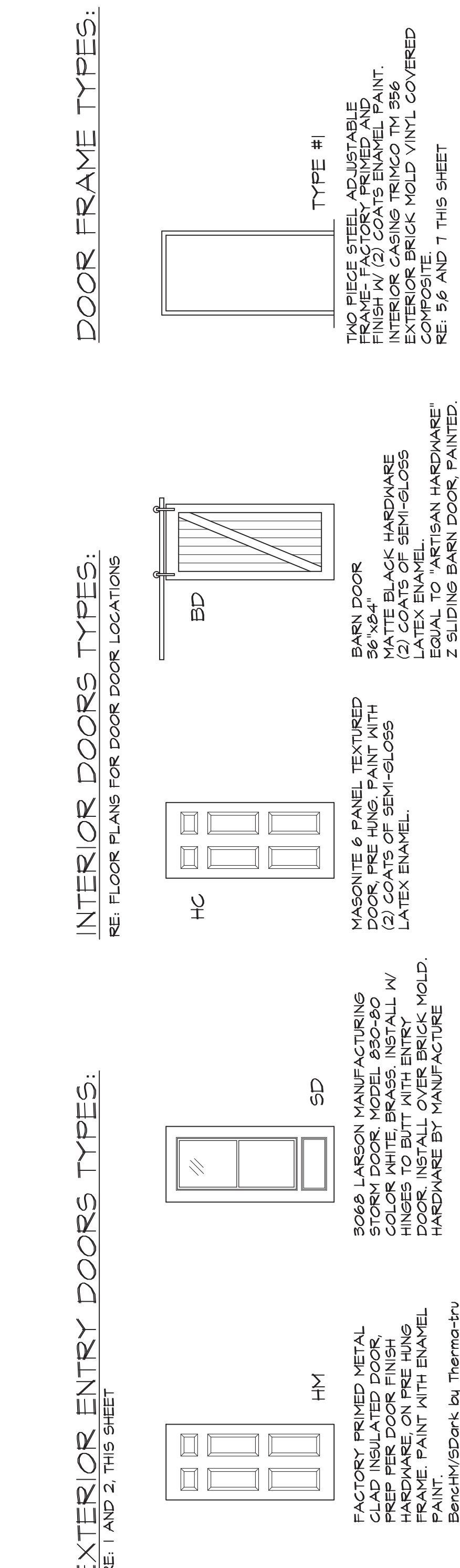
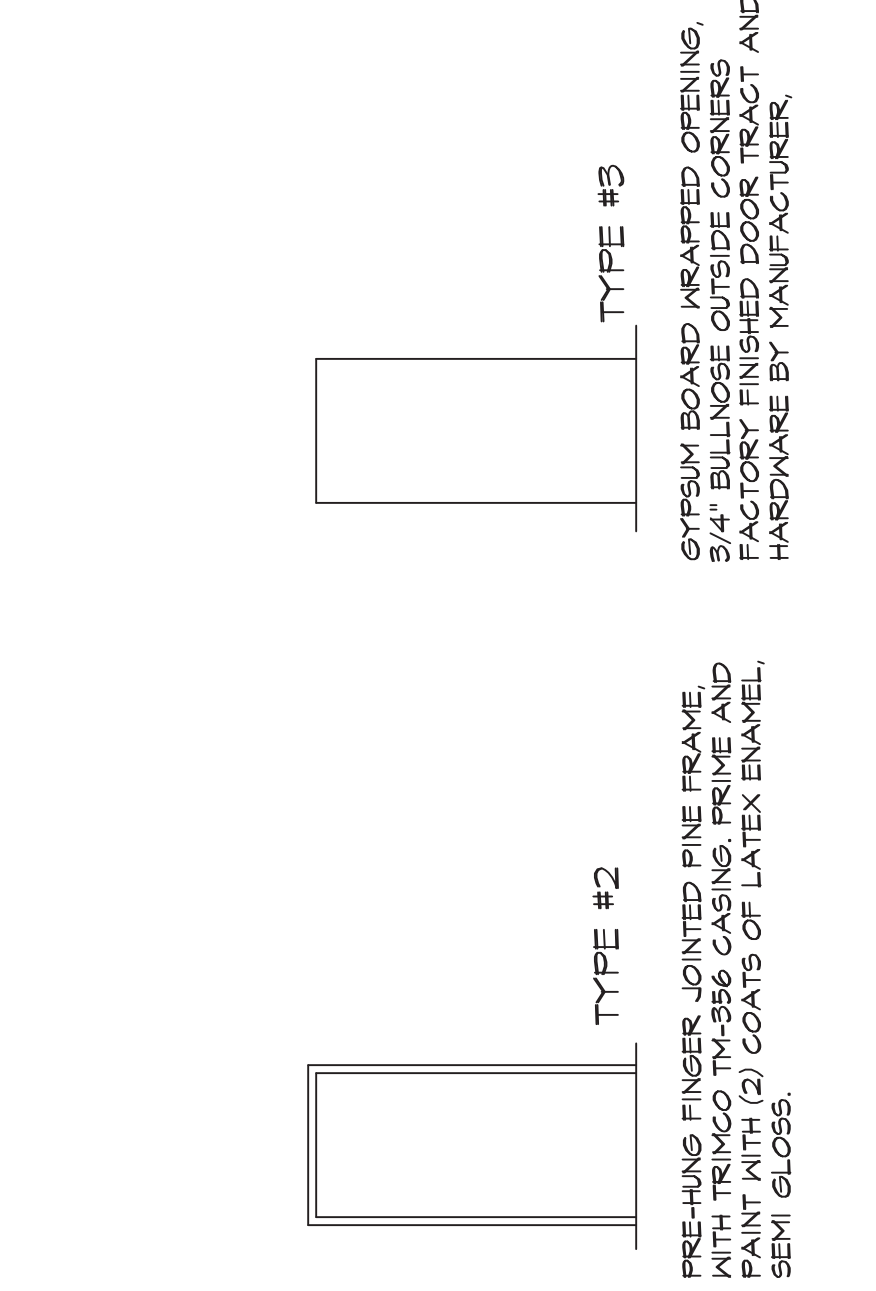
DOOR		FRAME		FINISH		HARDWARE		TYPE		MATERIAL		FINISH		NOTES	
ID	SIZE	ID	SIZE	ID	SIZE	ID	SIZE	ID	SIZE	ID	SIZE	ID	SIZE	ID	SIZE
FIRST FLOOR UNIT TYPE 'A'															
A01	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
A02	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
A03	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
A04	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
A05	2'-0" X 6'-8" X 1 3/8"	2	WOOD	LEH	HARD BOARD	B		2	WOOD	LEH	WOOD	LEH	LEH		
SECOND FLOOR UNIT TYPE 'A'															
A201	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
A202	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
A203	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
A204	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
A205	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
A206	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
A207	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
DOOR															
FRAME															
TYPE MATERIAL FINISH															
HARDWARE TYPE MATERIAL FINISH															
NOTES															
FIRST FLOOR UNIT TYPE 'B'															
B01	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
B02	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
B03	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
B04	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
B05	2'-0" X 6'-8" X 1 3/8"	2	WOOD	LEH	HARD BOARD	B		2	WOOD	LEH	WOOD	LEH	LEH		
SECOND FLOOR UNIT TYPE 'B'															
B201	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
B202	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
B203	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
B204	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
B205	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
B206	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
B207	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
DOOR															
FRAME															
TYPE MATERIAL FINISH															
HARDWARE TYPE MATERIAL FINISH															
NOTES															
FIRST FLOOR UNIT TYPE 'C'															
C01	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
C02	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
C03	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
C04	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
C05	2'-0" X 6'-8" X 1 3/8"	2	WOOD	LEH	HARD BOARD	B		2	WOOD	LEH	WOOD	LEH	LEH		
SECOND FLOOR UNIT TYPE 'C'															
C201	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
C202	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
C203	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
C204	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
C205	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
C206	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
C207	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
DOOR															
FRAME															
TYPE MATERIAL FINISH															
HARDWARE TYPE MATERIAL FINISH															
NOTES															
FIRST FLOOR UNIT TYPE 'D'															
D01	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
D02	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
D03	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
D04	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
D05	2'-0" X 6'-8" X 1 3/8"	2	WOOD	LEH	HARD BOARD	B		2	WOOD	LEH	WOOD	LEH	LEH		
SECOND FLOOR UNIT TYPE 'D'															
D201	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
D202	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
D203	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
D204	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
D205	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
D206	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
D207	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
DOOR															
FRAME															
TYPE MATERIAL FINISH															
HARDWARE TYPE MATERIAL FINISH															
NOTES															
FIRST FLOOR UNIT TYPE 'E'															
E01	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
E02	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
E03	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	A		1	WOOD	ENH	METAL	ENH	ENH		
E04	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
E05	2'-0" X 6'-8" X 1 3/8"	2	WOOD	LEH	HARD BOARD	B		2	WOOD	LEH	WOOD	LEH	LEH		
SECOND FLOOR UNIT TYPE 'E'															
E201	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
E202	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
E203	3'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	C		2	WOOD	LEH	WOOD	LEH	LEH		
E204	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
E205	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
E206	2'-8" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
E207	4'-0" X 6'-8" X 1 3/8" (PAIR)	2	WOOD	LEH	HARD BOARD	D		2	WOOD	LEH	WOOD	LEH	LEH		
DOOR															
FRAME															
TYPE MATERIAL FINISH															
HARDWARE TYPE MATERIAL FINISH															
NOTES															
BUILDING EXTERIOR DOORS, WATER ENTRY AND STORAGE ROOM															
F01	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	E		1	METAL	ENH	METAL	ENH	ENH		
F02	3'-0" X 6'-8" X 1 3/4"	1	METAL	ENH	METAL	E		1	METAL	ENH	METAL	ENH	ENH		

**DOOR NOTES:**  
 SET A (FRONT BACK ENTRY DOORS):  
 DEADBOLT EC 609, E 609 REMOVABLE CORE FIO ELAN PASSAGE.  
 WEATHER STRIP STOP, 1/2" PAIR HINGES.  
 APPROXIMATE THRESHOLD ROCKWOOD #630 VEHNER  
 ADA APPROVED AT 60" A.F.F.  
 INSTALL VEHNER AT 60" A.F.F.  
 STORM DOOR TO HAVE FACTORY HARDWARE.  
 SET B (BEDROOMS, CLOSET WITH SINGLE DOORS):  
 PRE-HUNG HINGES BY MFG. FIO ELAN 609, PASSAGE STOP  
 F40 ELAN 609 PRIVACY STOP  
 SET C (TOILET & BATH ROOMS):  
 SET D (CLOSETS WITH DOUBLE DOORS):  
 PRE-HUNG HINGES BY MFG. DUMMY TRIM FIO ELAN  
 ONE FLOOR AND ONE HINGE STOP  
 SET E (EXTERIOR STORAGE AND WATER ENTRY DOORS):  
 DEADBOLT EC 609, E 609 REMOVABLE CORE FIO ELAN PASSAGE.  
 WEATHER STRIP STOP, 1/2" PAIR HINGES  
 APPROXIMATE THRESHOLD ROCKWOOD #630 VEHNER  
 ADA APPROVED AT 60" A.F.F.  
 SET F (DOORS BY MANUFACTURE COLOR BLACK):  
 RE: INTERIOR DOOR TYPES  
 AT DOORS STOP ROCKWOOD 1/2"  
 BASE DOME STOP #442, 609  
 UNLESS CALLED OUT OTHERWISE

**DOOR HARDWARE**  
 SET A (FRONT BACK ENTRY DOORS):  
 DEADBOLT EC 609, E 609 REMOVABLE CORE FIO ELAN PASSAGE.  
 WEATHER STRIP STOP, 1/2" PAIR HINGES.  
 APPROXIMATE THRESHOLD ROCKWOOD #630 VEHNER  
 ADA APPROVED AT 60" A.F.F.  
 INSTALL VEHNER AT 60" A.F.F.  
 STORM DOOR TO HAVE FACTORY HARDWARE.  
 SET B (BEDROOMS, CLOSET WITH SINGLE DOORS):  
 PRE-HUNG HINGES BY MFG. FIO ELAN 609, PASSAGE STOP  
 F40 ELAN 609 PRIVACY STOP  
 SET C (TOILET & BATH ROOMS):  
 SET D (CLOSETS WITH DOUBLE DOORS):  
 PRE-HUNG HINGES BY MFG. DUMMY TRIM FIO ELAN  
 ONE FLOOR AND ONE HINGE STOP  
 SET E (EXTERIOR STORAGE AND WATER ENTRY DOORS):  
 DEADBOLT EC 609, E 609 REMOVABLE CORE FIO ELAN PASSAGE.  
 WEATHER STRIP STOP, 1/2" PAIR HINGES  
 APPROXIMATE THRESHOLD ROCKWOOD #630 VEHNER  
 ADA APPROVED AT 60" A.F.F.  
 SET F (DOORS BY MANUFACTURE COLOR BLACK):  
 RE: INTERIOR DOOR TYPES  
 AT DOORS STOP ROCKWOOD 1/2"  
 BASE DOME STOP #442, 609  
 UNLESS CALLED OUT OTHERWISE

**DOOR AND FRAME:**  
 APPROVE MANUFACTURE COLOR TO BE SELECTED  
 RE: SPECIFICATIONS  
 APPROVE MANUFACTURE TOTAL COLOR RANGE.  
 NOTE: CONTRACTOR TO ALLOW FOR (4) EXTERIOR BUILDING  
 COORDINATION WITH THE MANUFACTURER OF EXTERIOR DOORS.  
 INTERIOR OF DOORS AND FRAMES TO MATCH LEH.

**ENVELOPE (EN)**  
 APPROVE MANUFACTURE COLOR TO BE SELECTED  
 RE: SPECIFICATIONS  
 APPROVE MANUFACTURE TOTAL COLOR RANGE.  
 NOTE: CONTRACTOR TO ALLOW FOR (4) EXTERIOR BUILDING  
 COORDINATION WITH THE MANUFACTURER OF EXTERIOR DOORS.  
 INTERIOR OF DOORS AND FRAMES TO MATCH LEH.



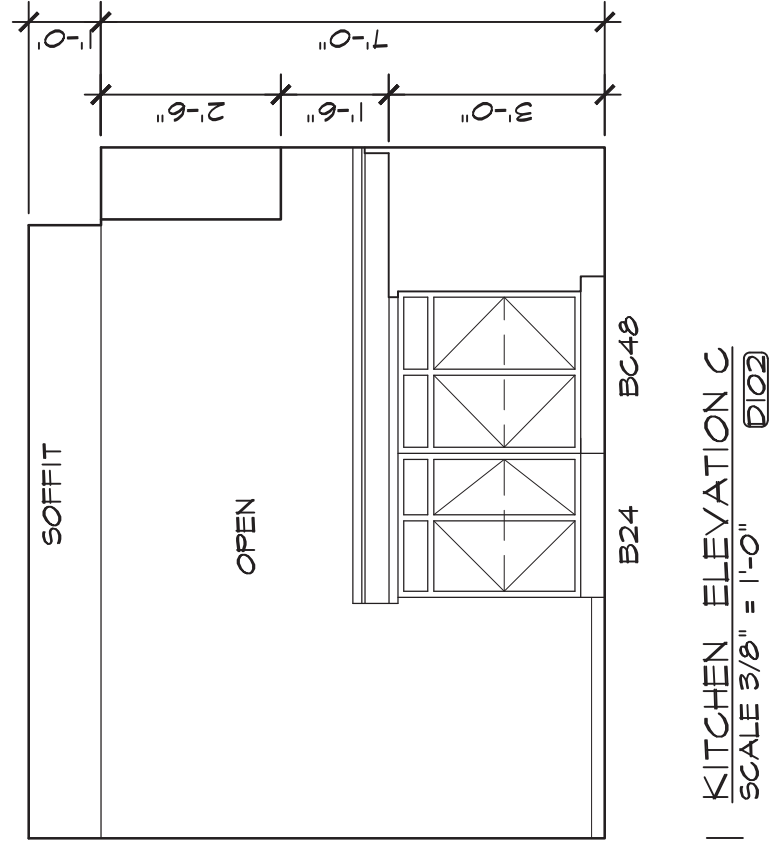




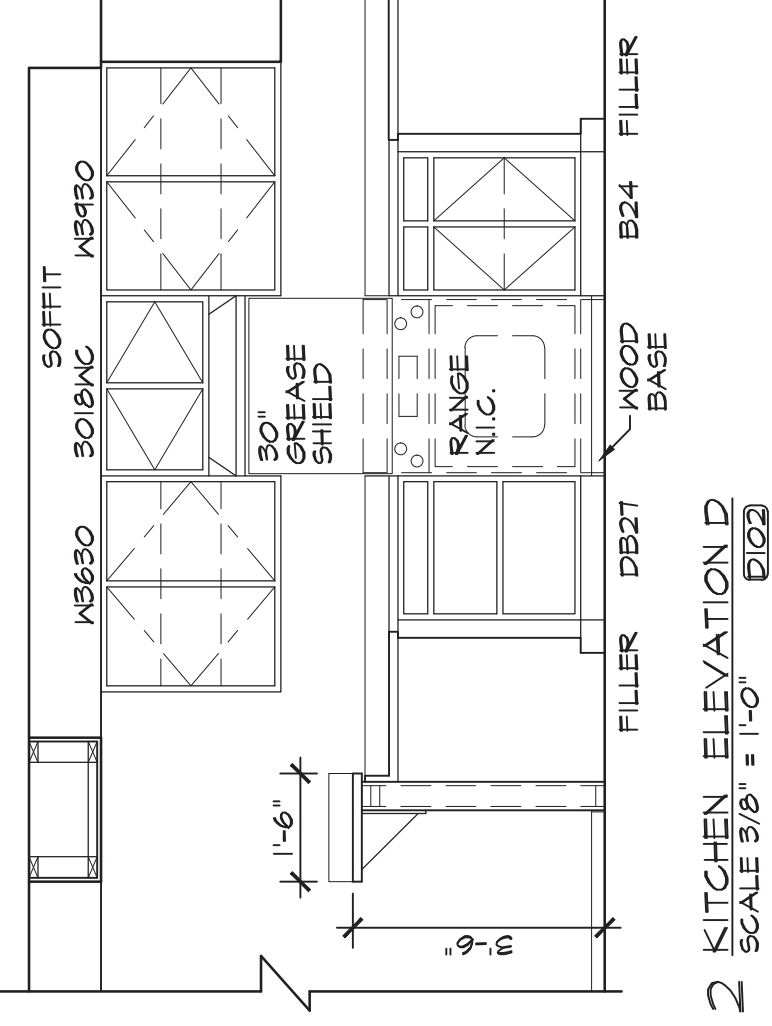


# BUILDING TYPE D CONTINUED

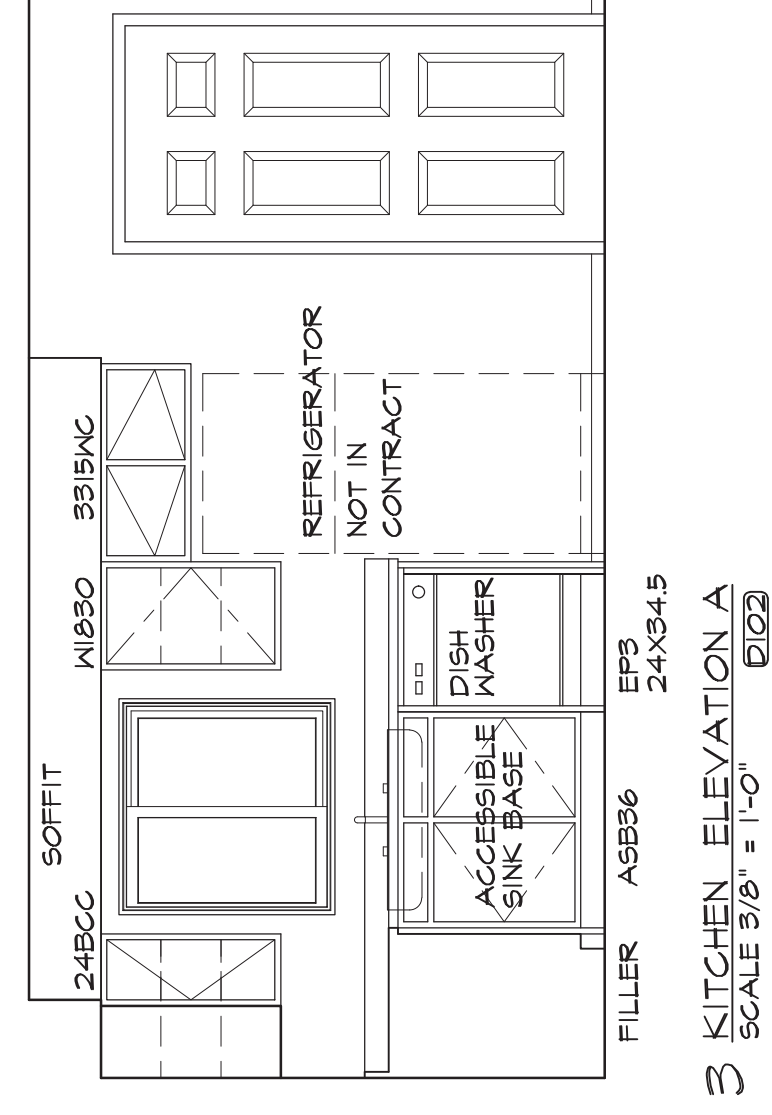
## UNIT TYPE D



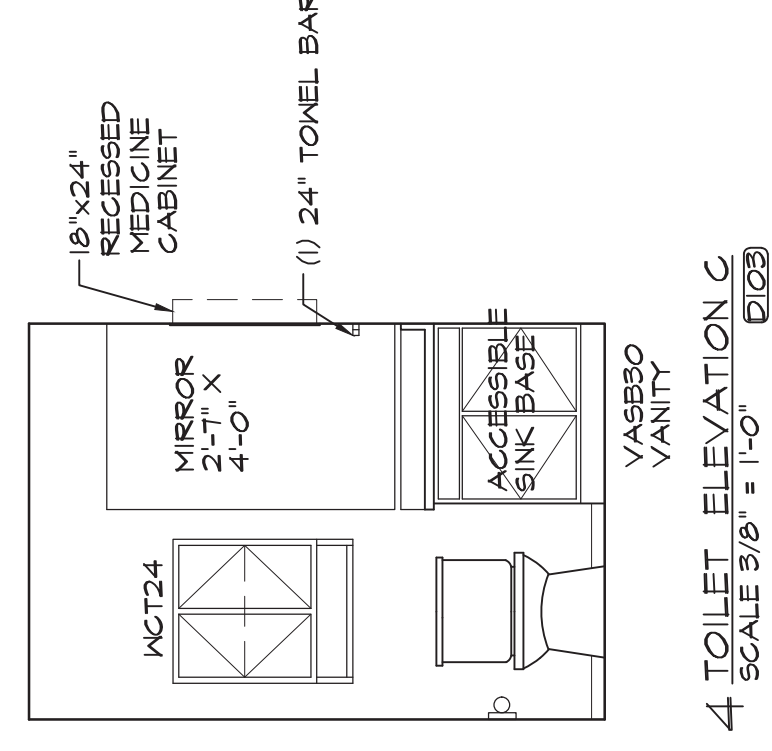
1 KITCHEN ELEVATION C  
SCALE 3/8" = 1'-0" (E02)



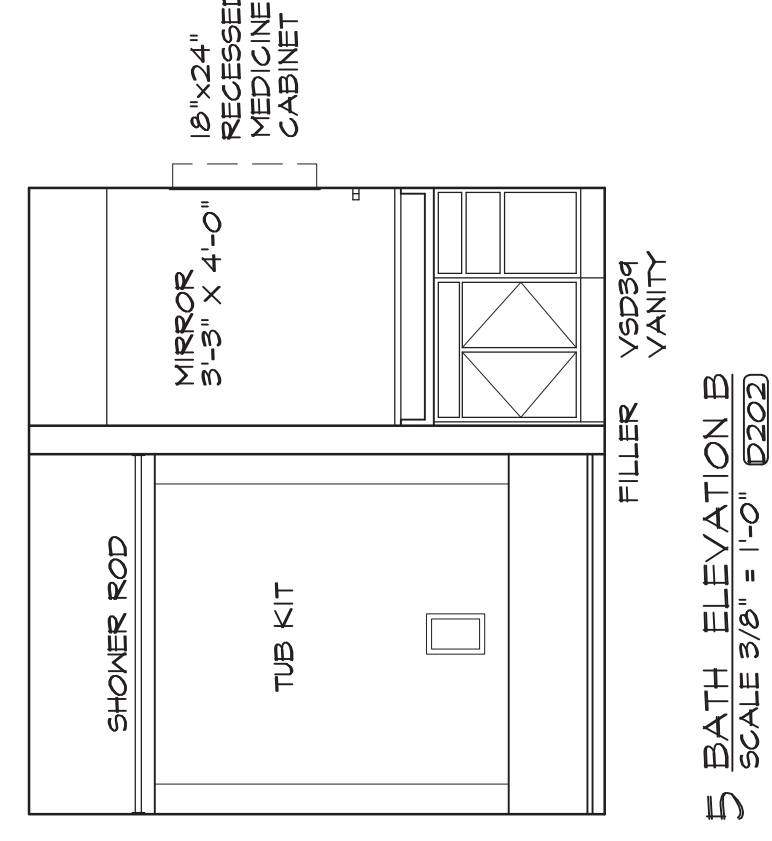
2 KITCHEN ELEVATION D  
SCALE 3/8" = 1'-0" (E02)



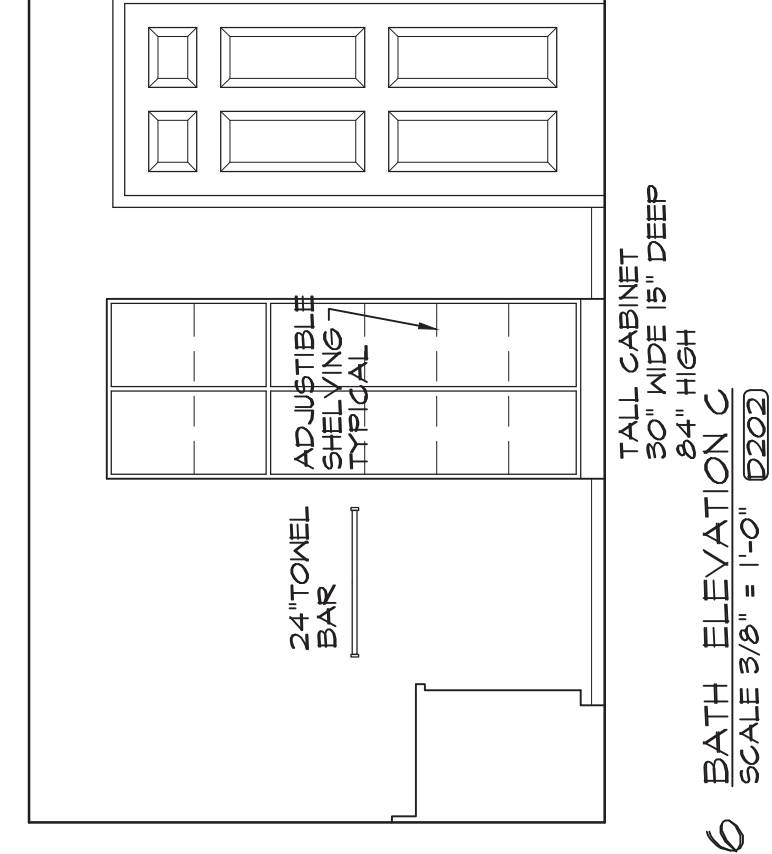
3 KITCHEN ELEVATION A  
SCALE 3/8" = 1'-0" (E02)



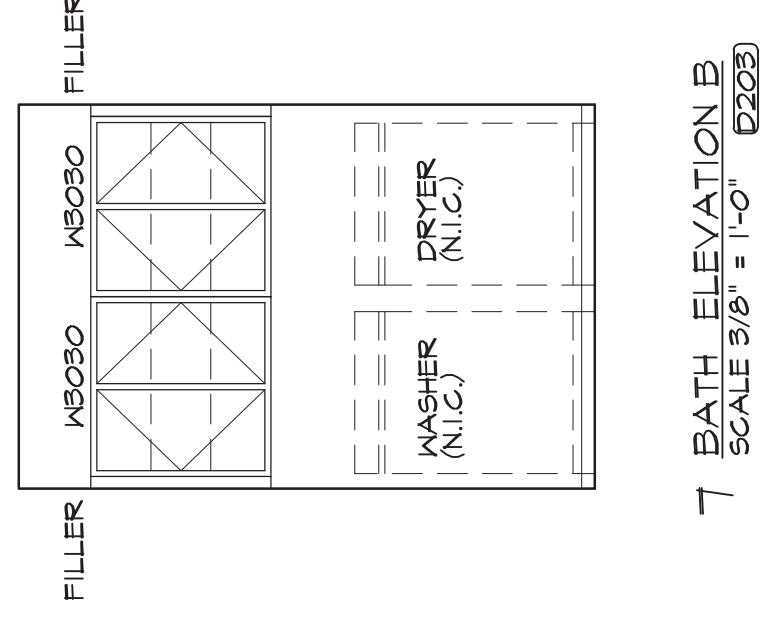
4 TOILET ELEVATION C  
SCALE 3/8" = 1'-0" (E02)



5 BATH ELEVATION B  
SCALE 3/8" = 1'-0" (E02)

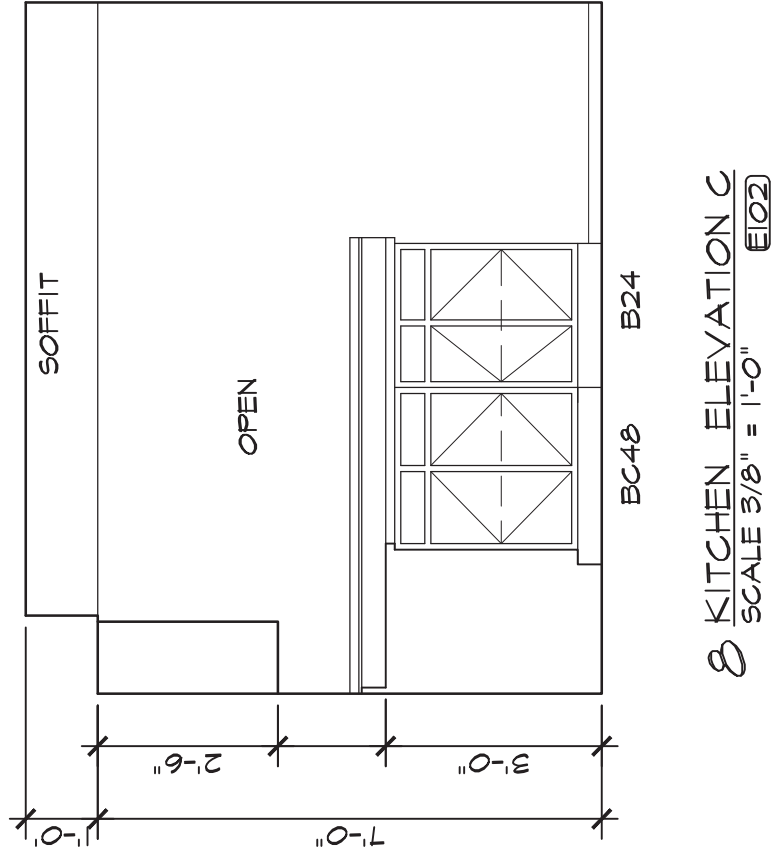


6 BATH ELEVATION C  
SCALE 3/8" = 1'-0" (E02)

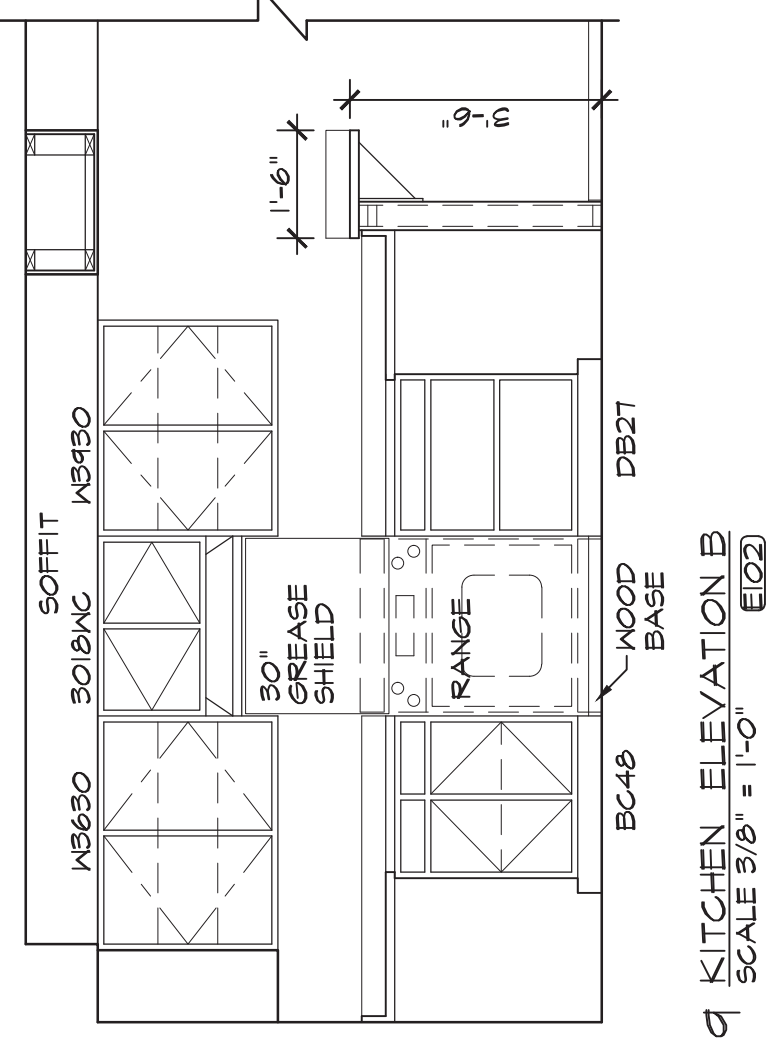


7 BATH ELEVATION B  
SCALE 3/8" = 1'-0" (E02)

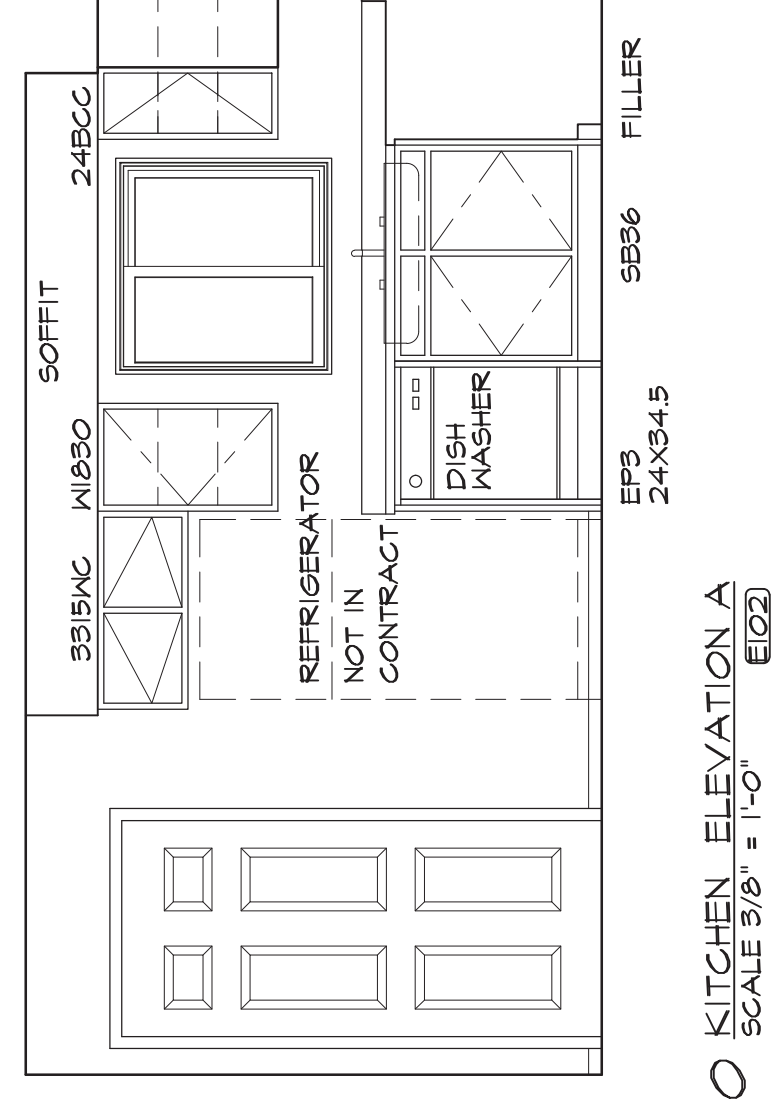
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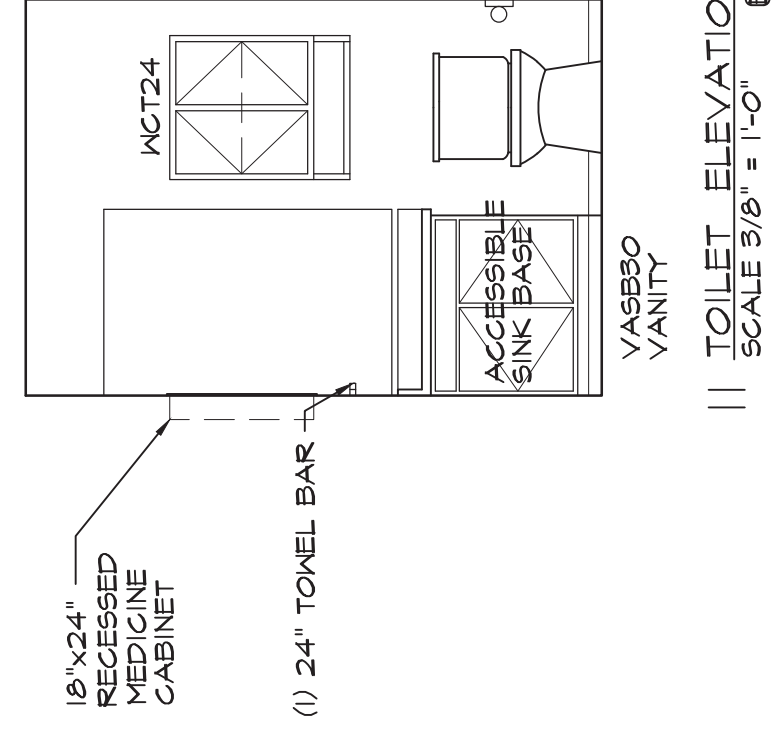
8 KITCHEN ELEVATION C  
SCALE 3/8" = 1'-0" (E02)



9 KITCHEN ELEVATION B  
SCALE 3/8" = 1'-0" (E02)



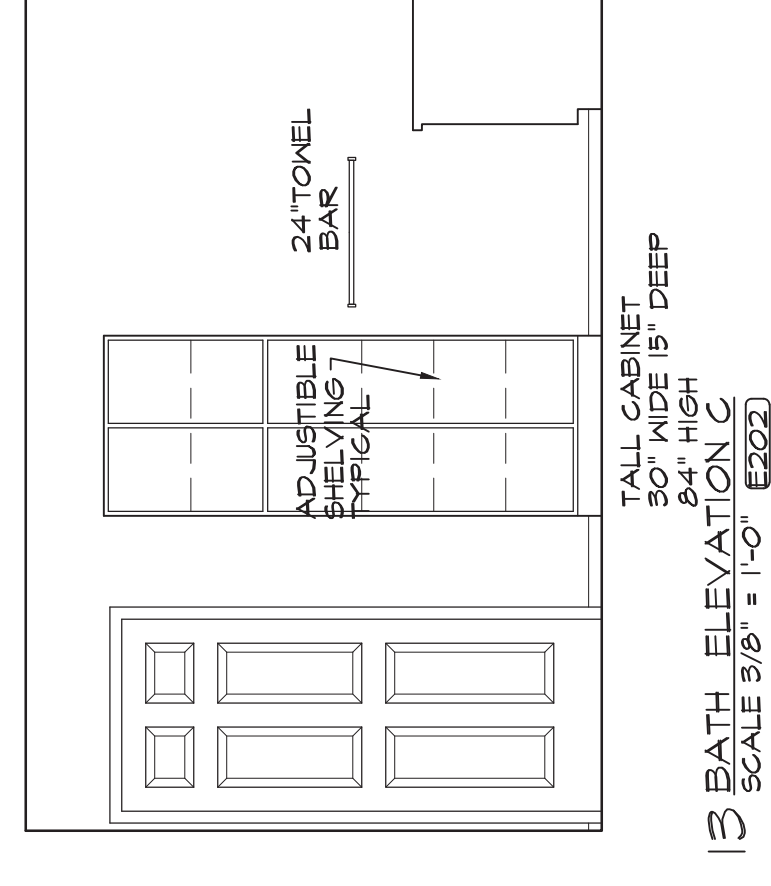
10 KITCHEN ELEVATION A  
SCALE 3/8" = 1'-0" (E02)



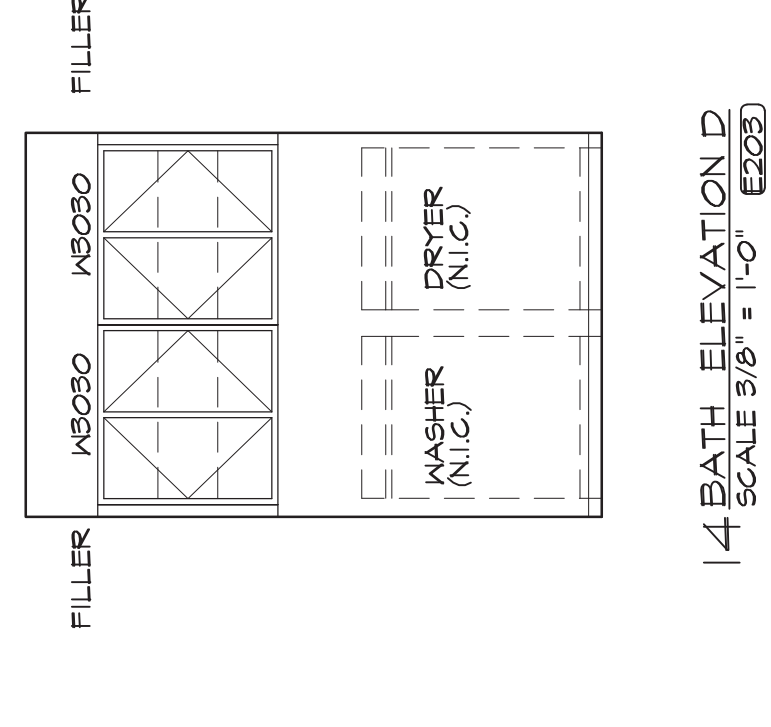
11 TOILET ELEVATION C  
SCALE 3/8" = 1'-0" (E02)



12 BATH ELEVATION B  
SCALE 3/8" = 1'-0" (E02)

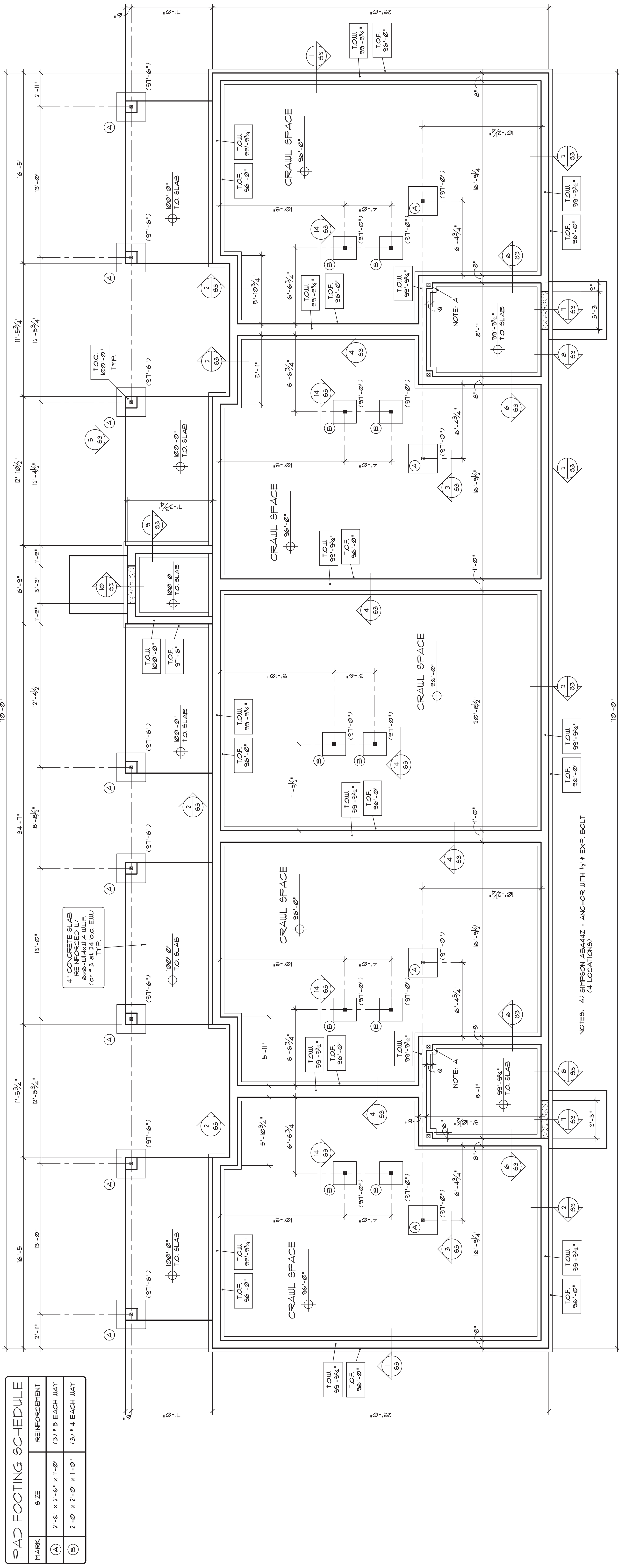


13 BATH ELEVATION C  
SCALE 3/8" = 1'-0" (E02)

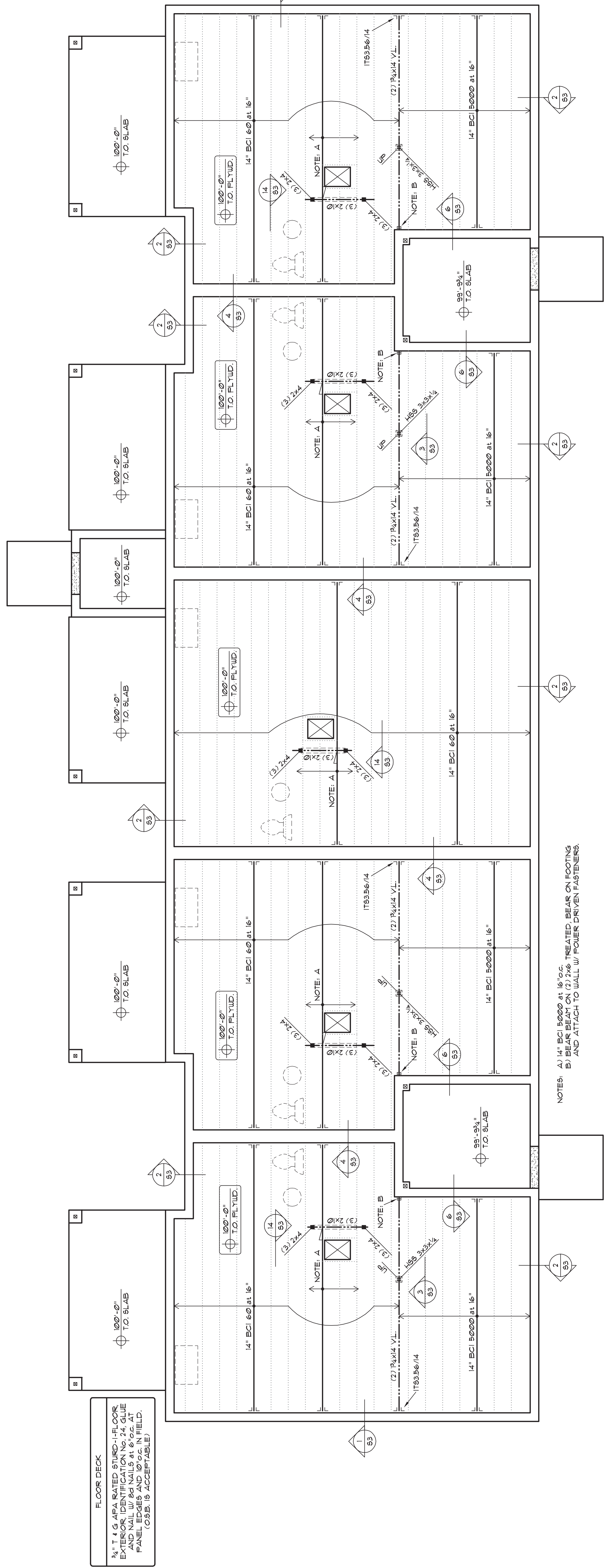


14 BATH ELEVATION D  
SCALE 3/8" = 1'-0" (E02)



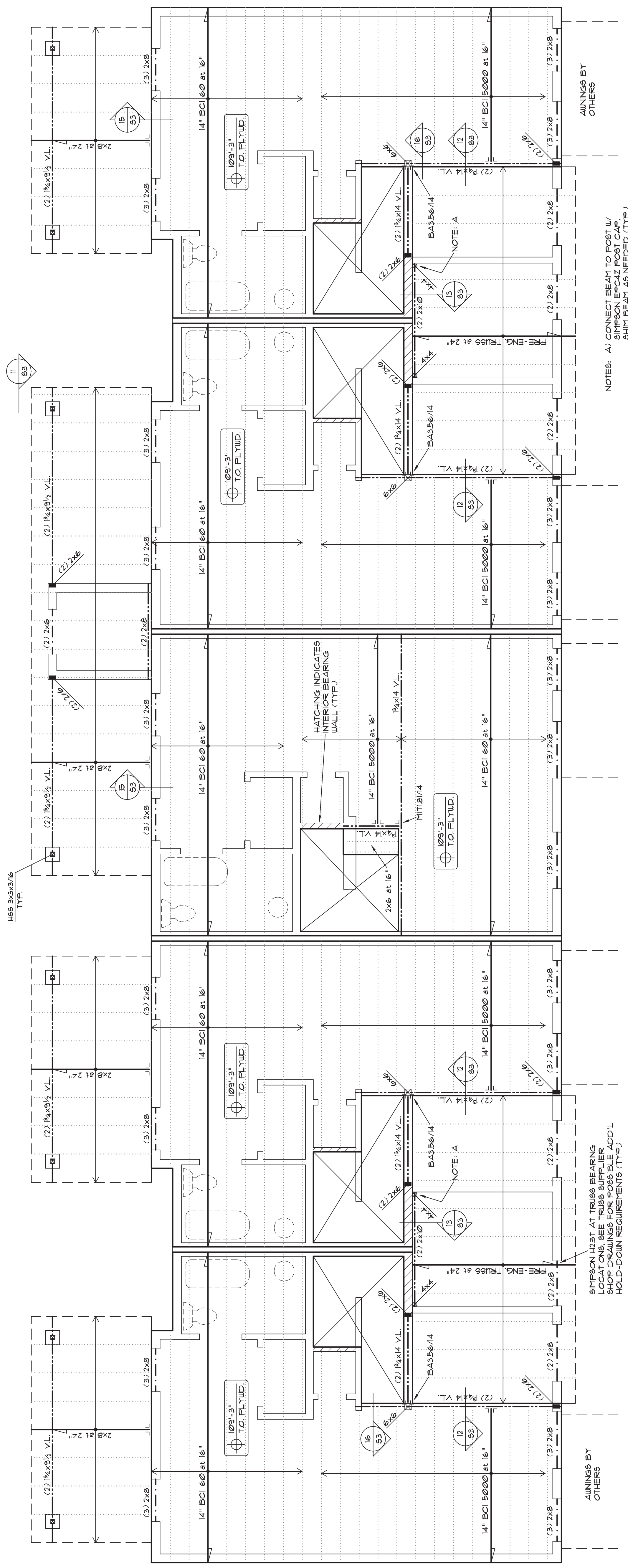


PAD FOOTING SCHEDULE	
MARK	REINFORCEMENT
(A)	2'-6" x 2'-6" x 1'-0" (3) * 5 EACH WAY
(B)	2'-0" x 2'-0" x 1'-0" (3) * 4 EACH WAY



FLOOR DECK  
 1 1/2" T. IS GBA SURE STRIP, 1/2" DOGS  
 EXTERIOR IDENTIFICATION NO. 24, GLUE  
 AND NAIL W/ 8d NAILS AT 6" O.C. AT  
 PANEL EDGES & ACCESSIBLE!

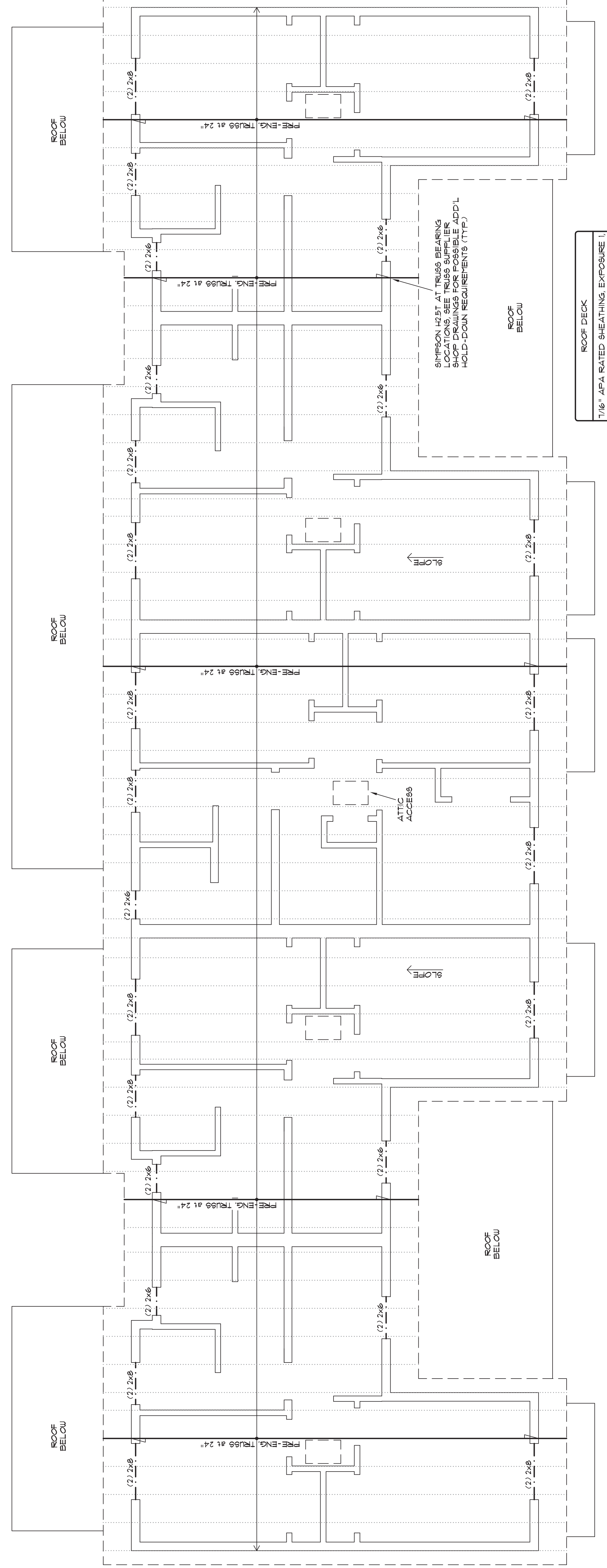




**UPPER FLOOR / LOW ROOF FRAMING PLAN**  
 SCALE: 1/4"=1'-0"

**FLOOR DECK**  
 3/4" T & G APA RATED STUCCO-FLOOR EXTERIOR IDENTIFICATION No. 24. GLUE AND NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. IN FIELD. (O.S.B. IS ACCEPTABLE.)

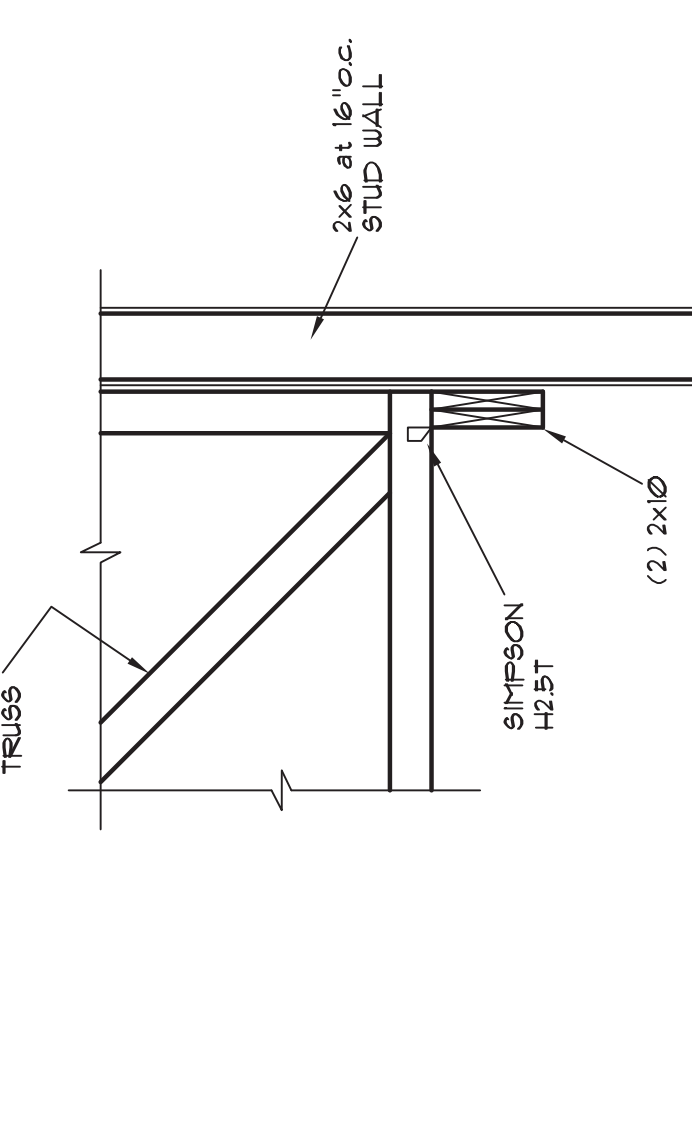
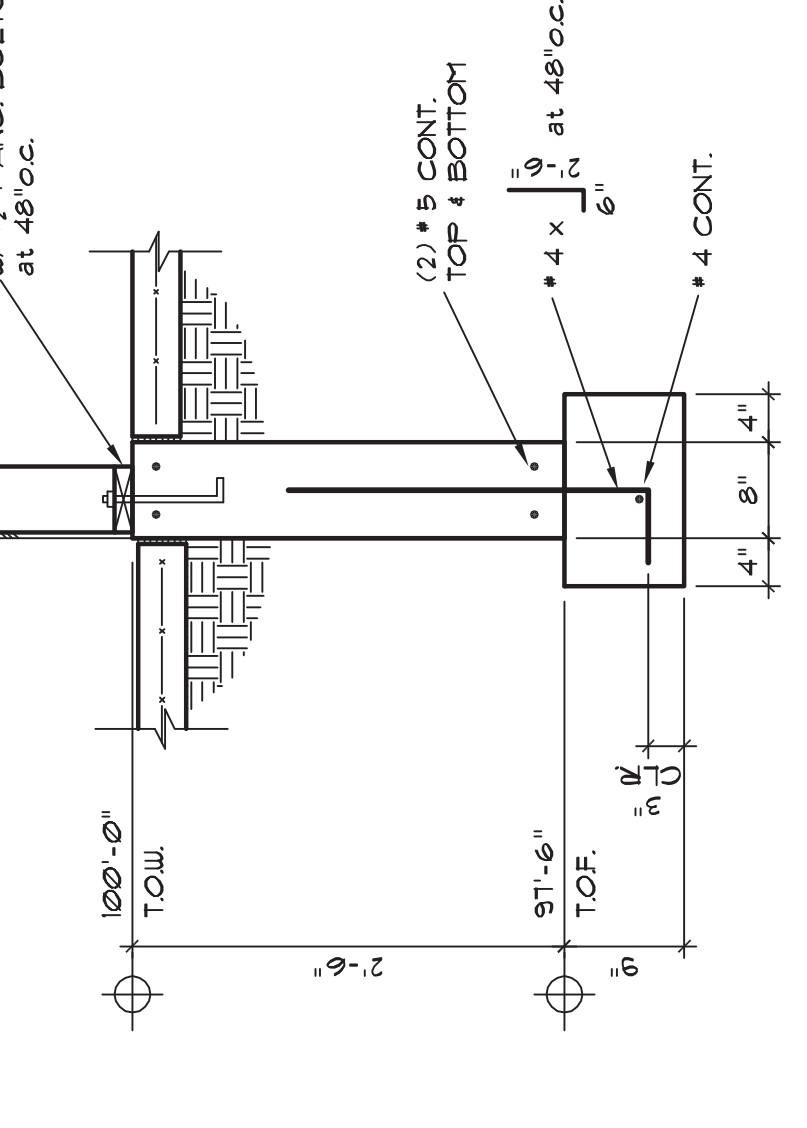
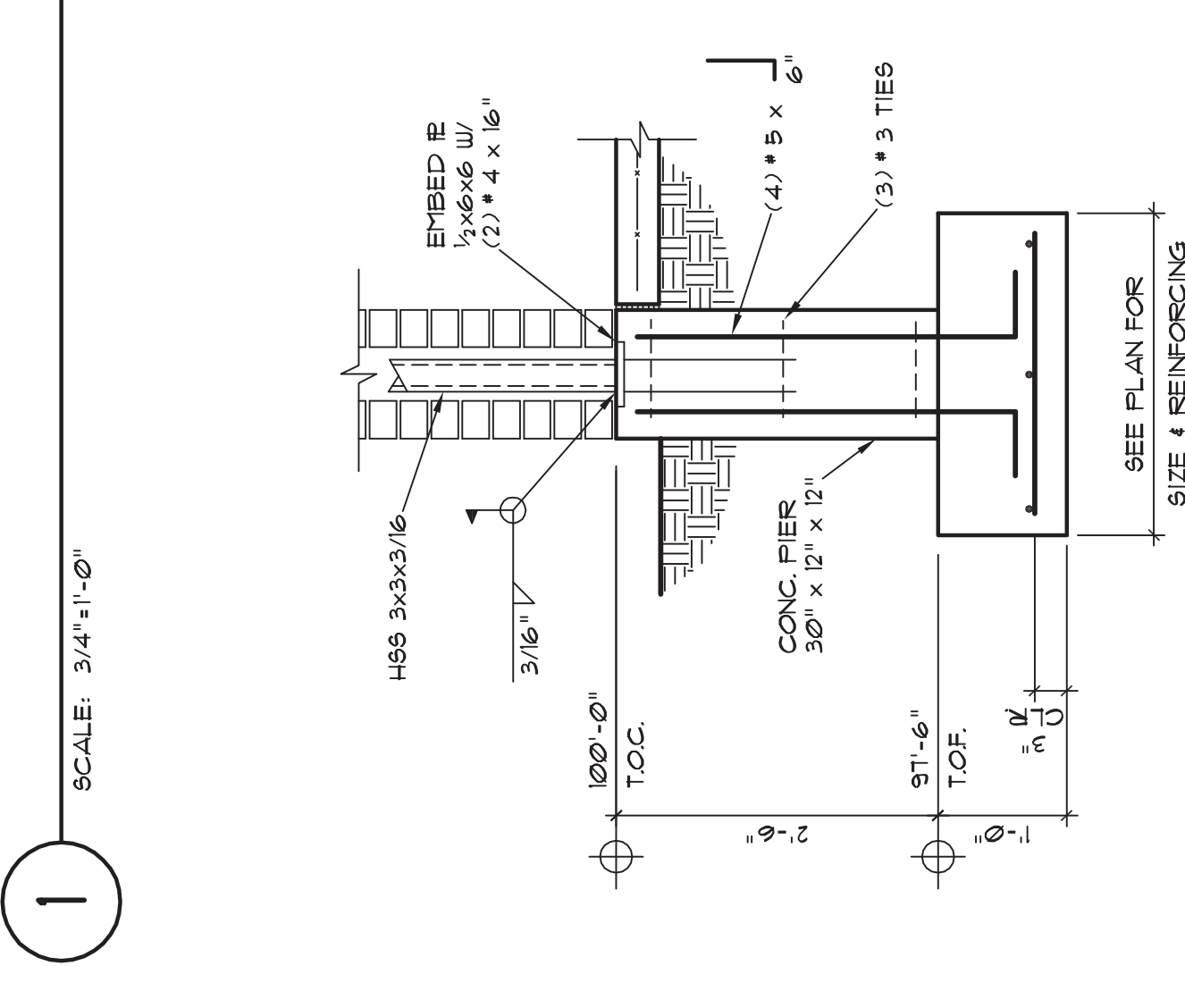
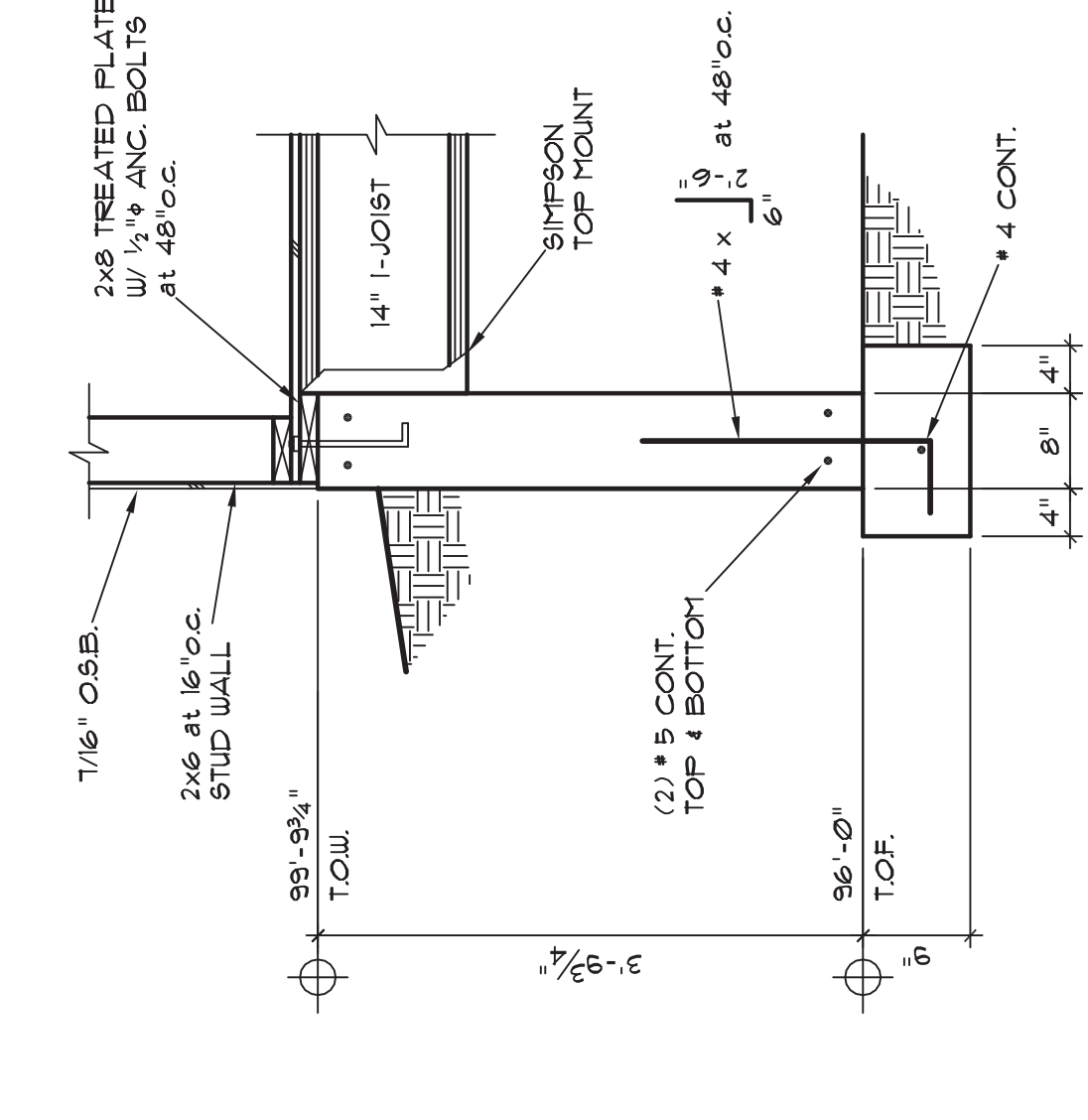
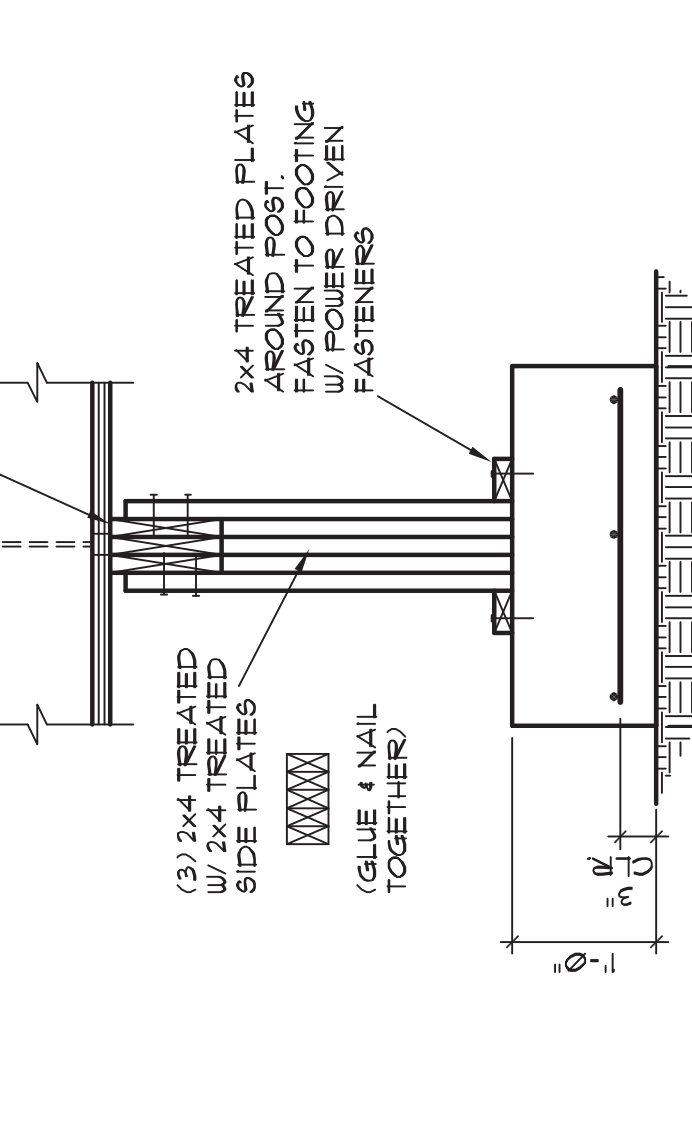
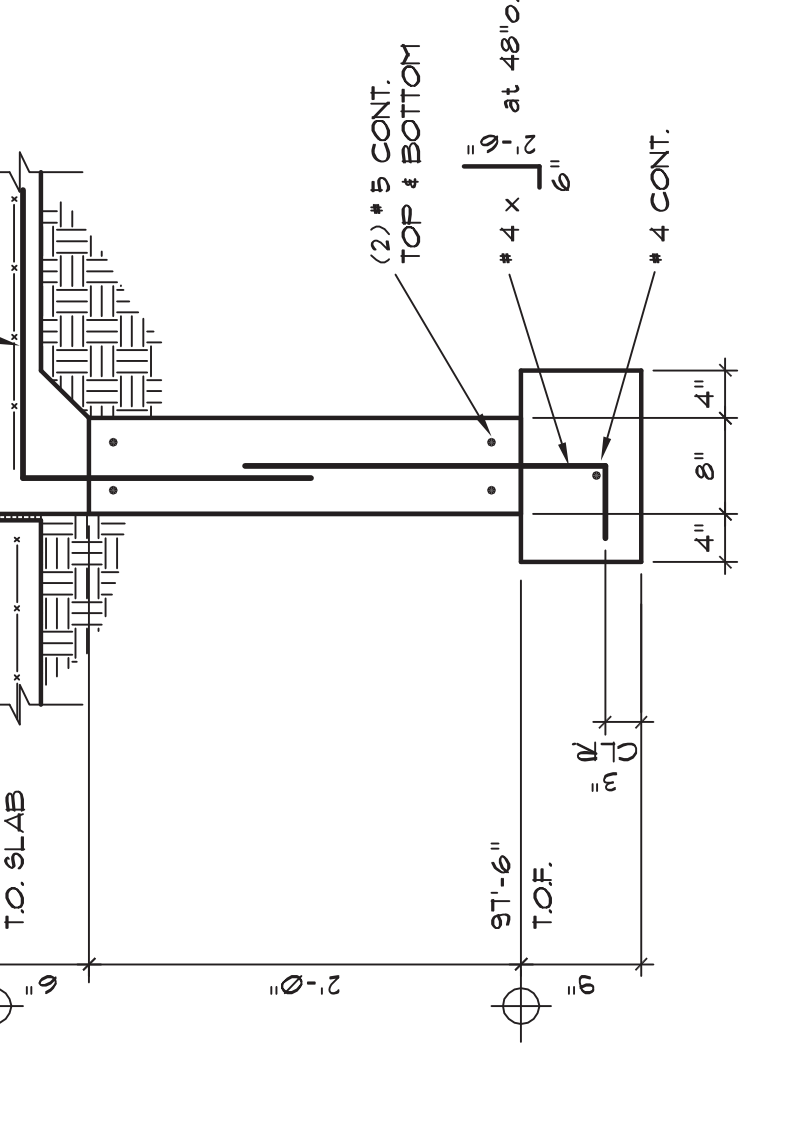
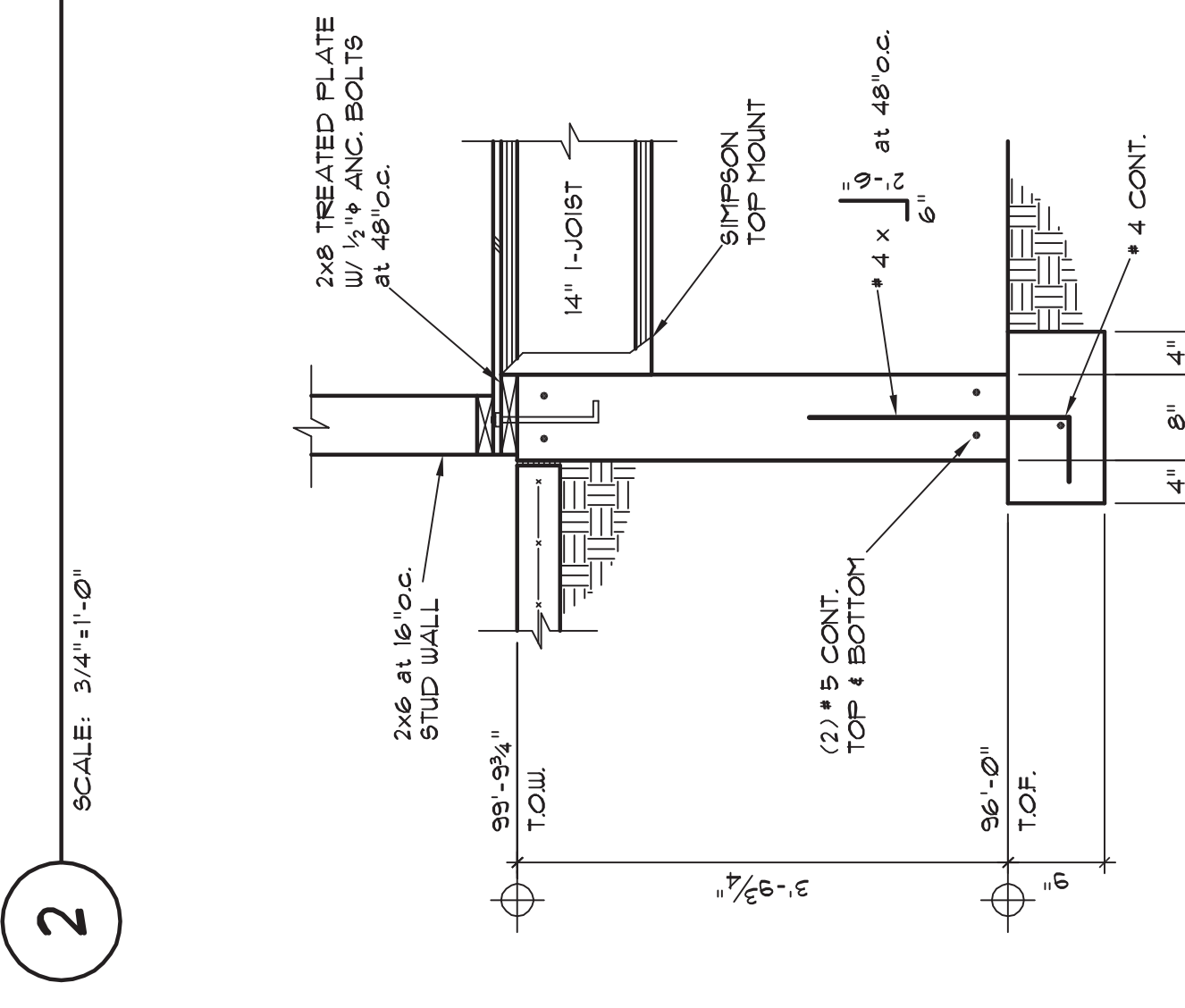
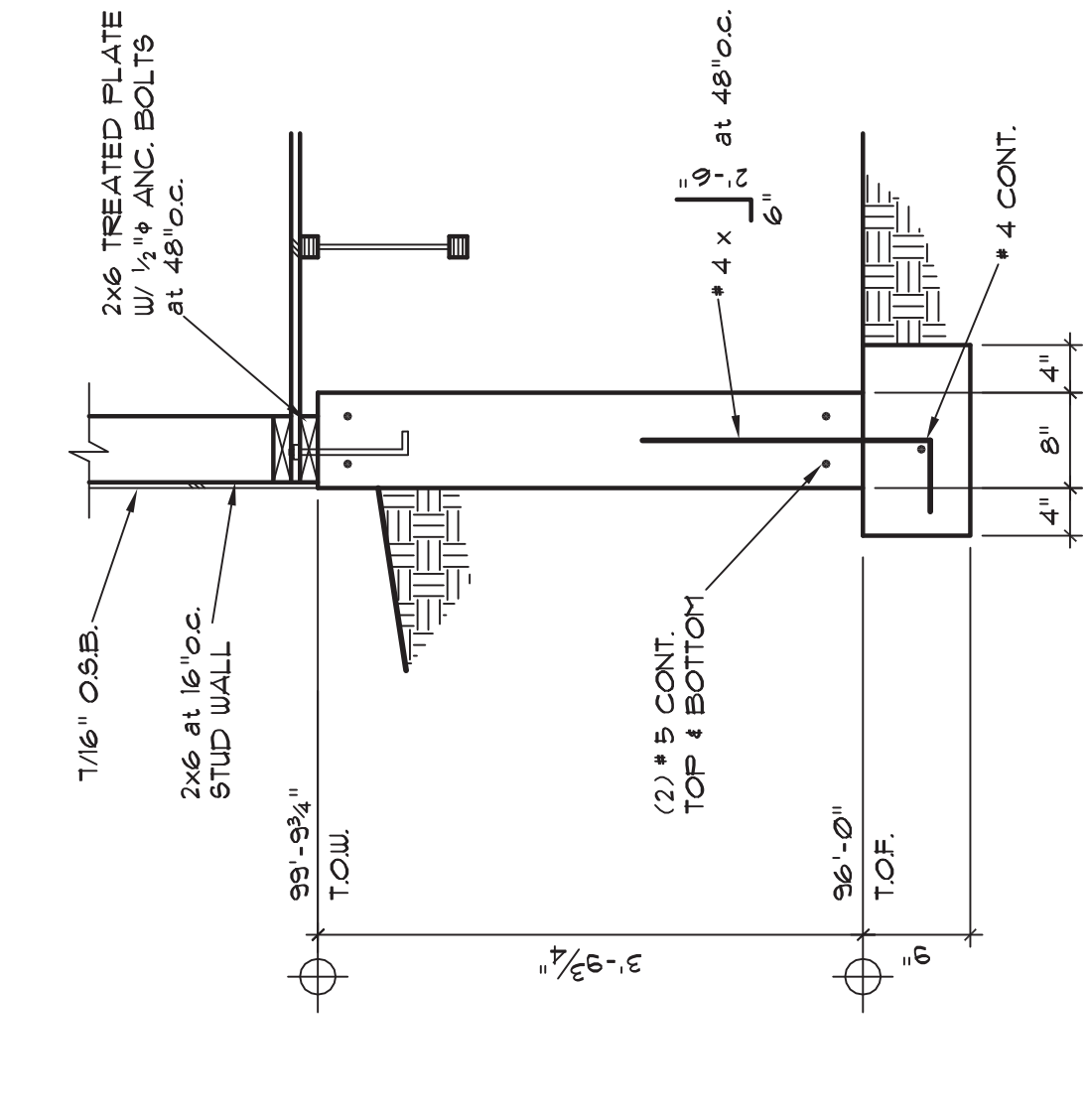
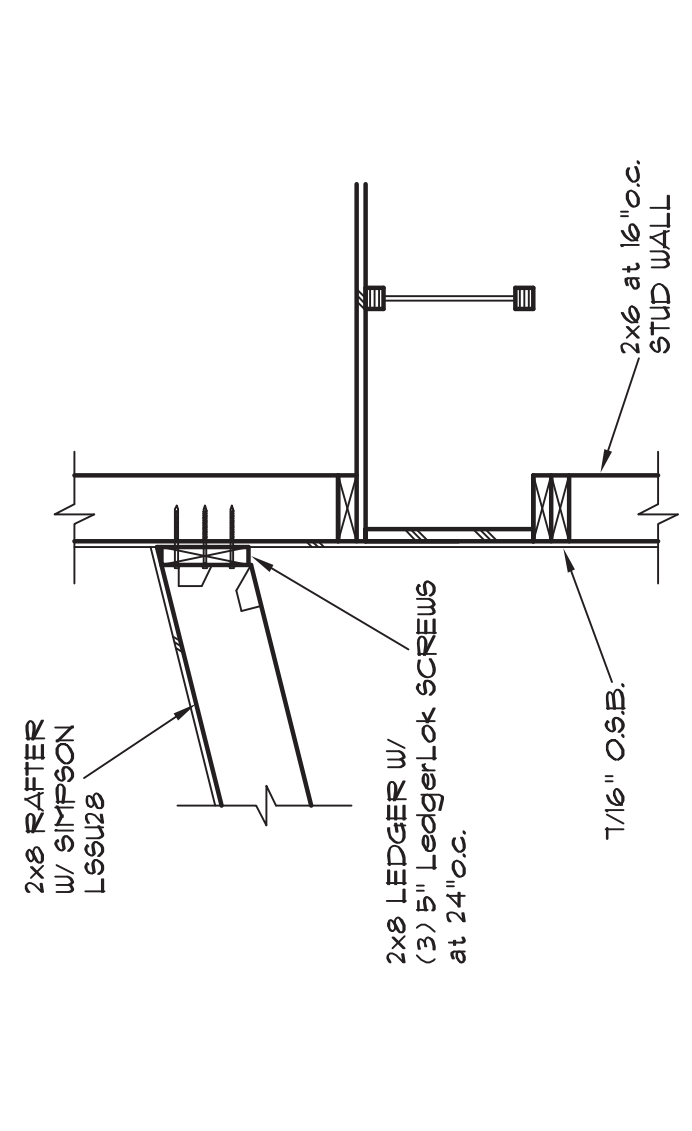
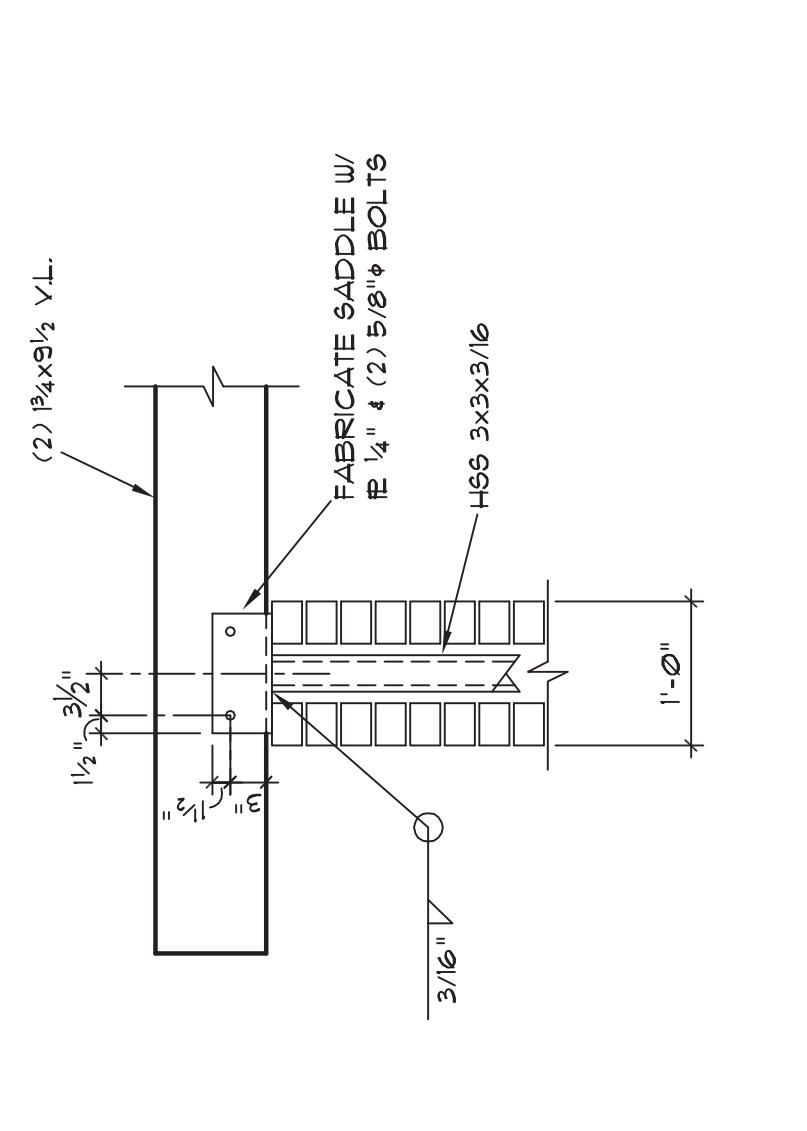
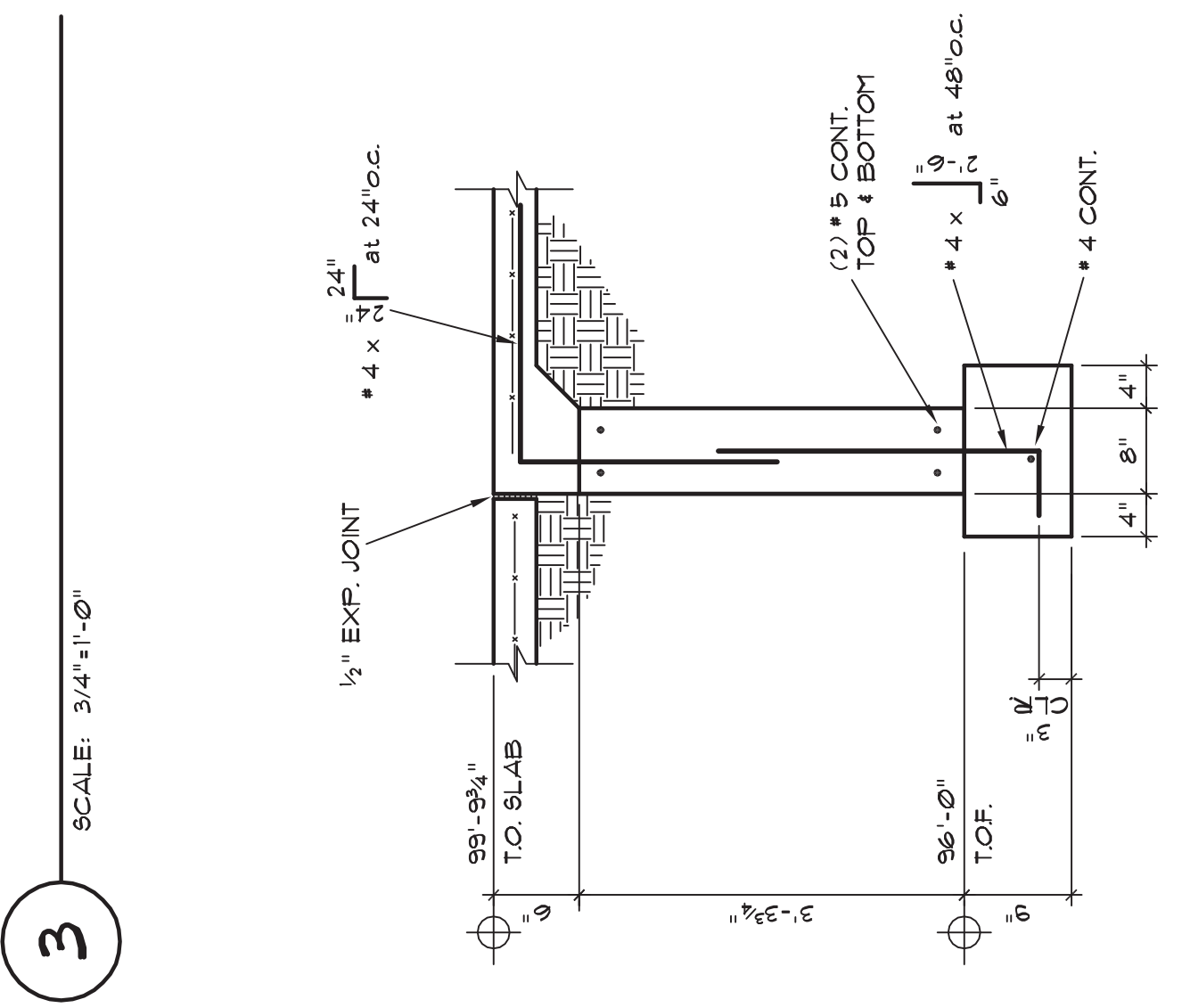
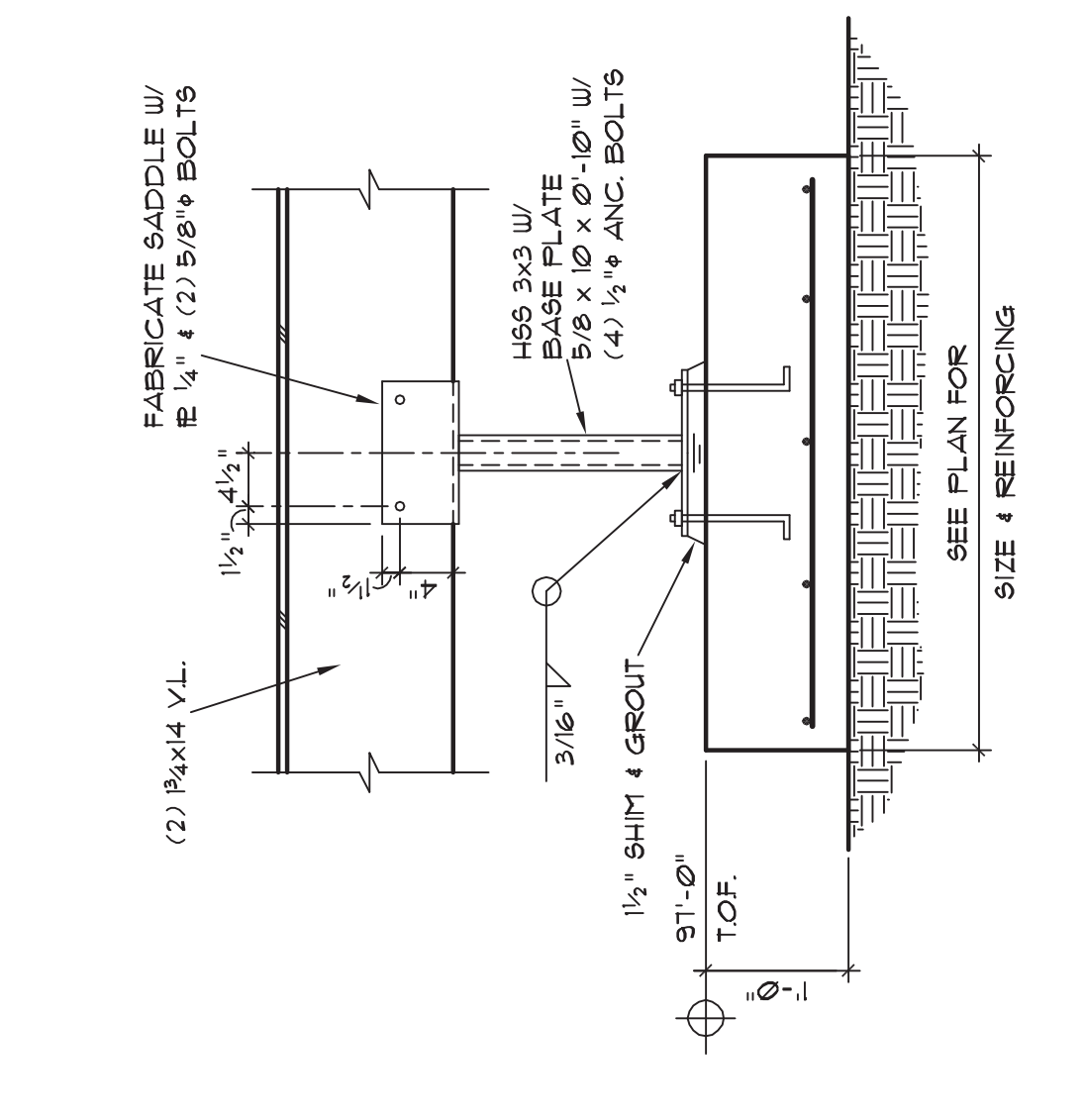
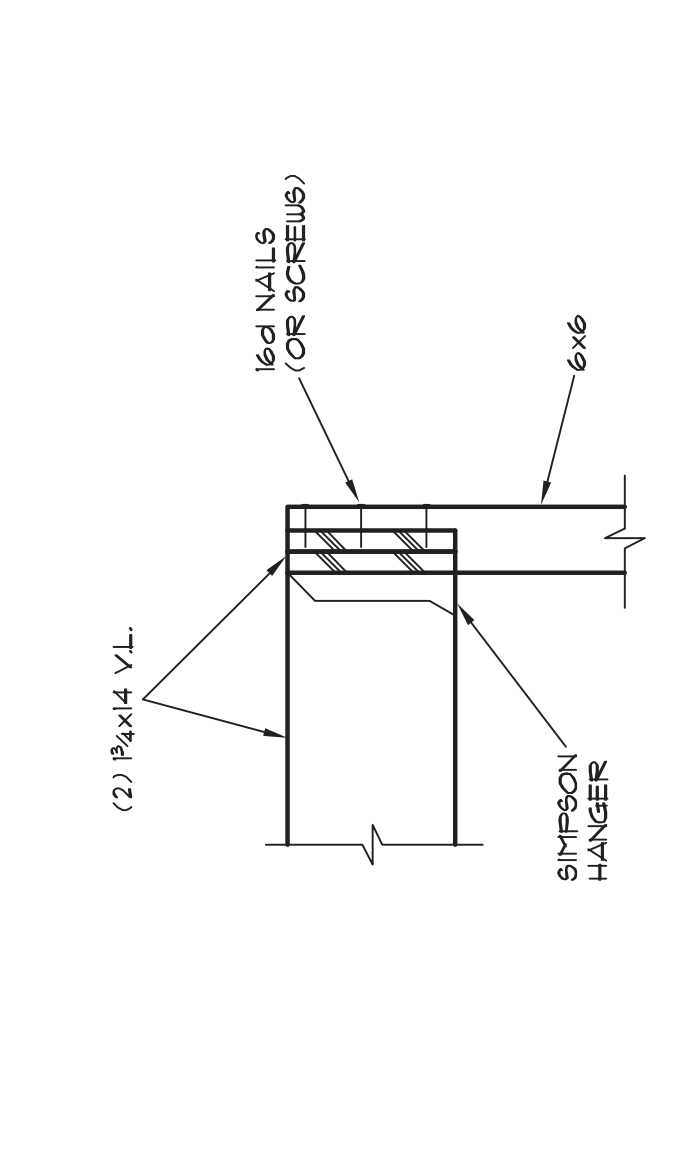
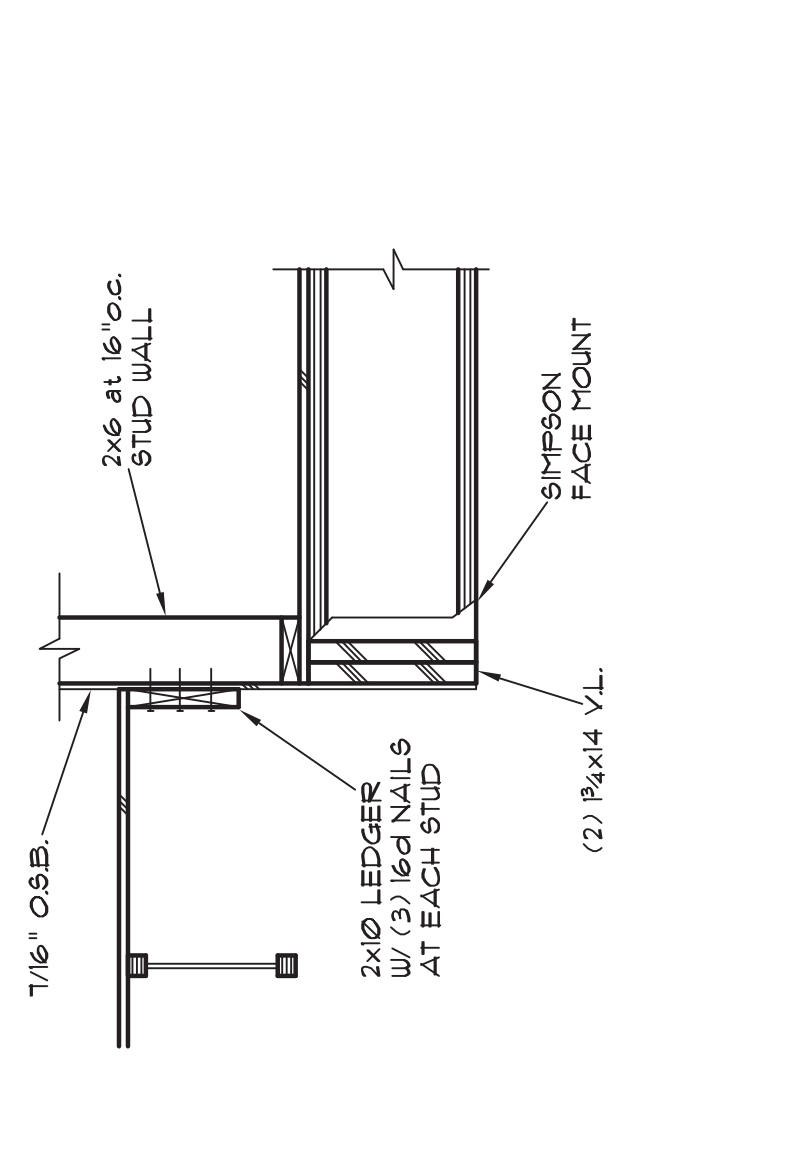
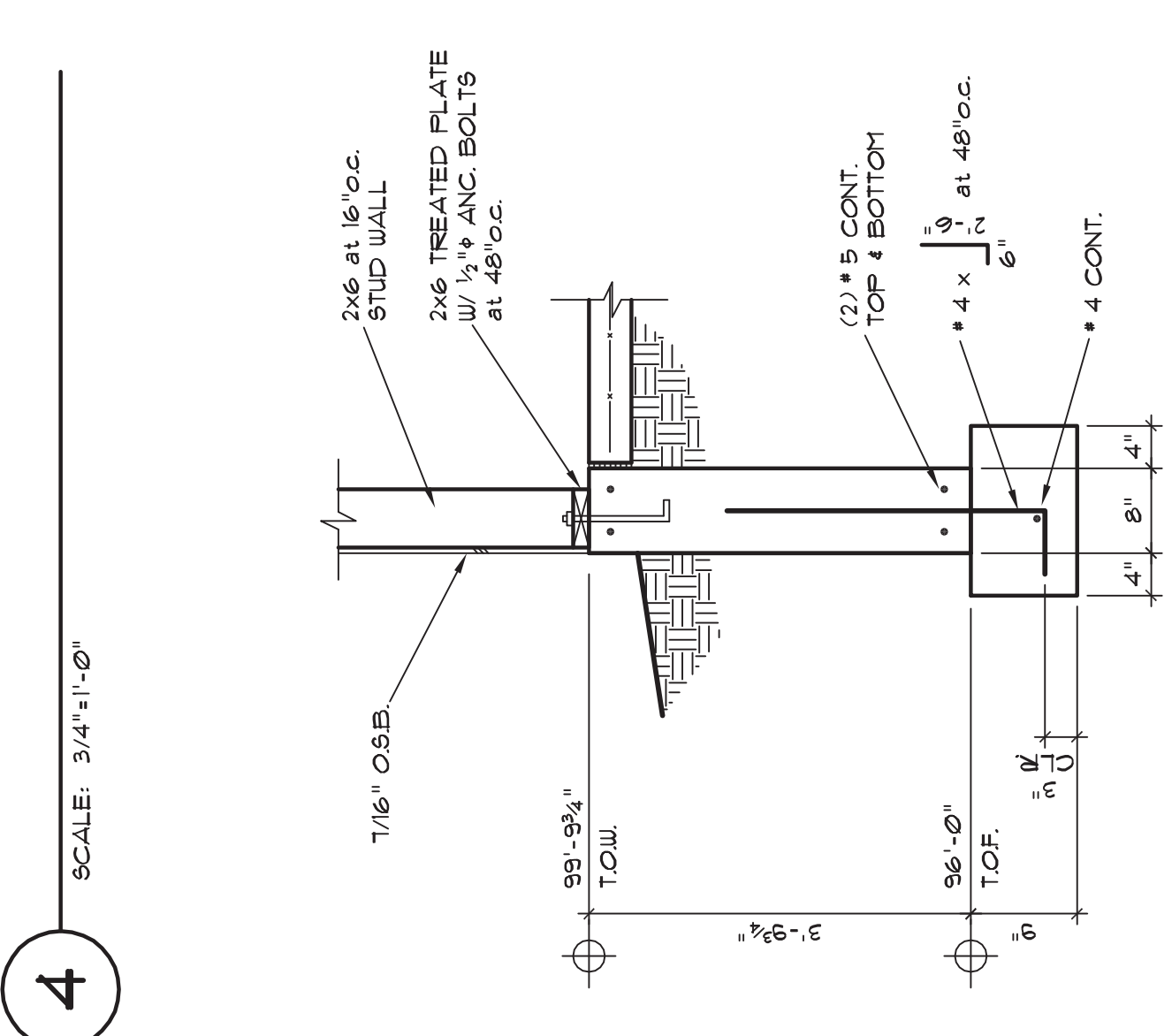
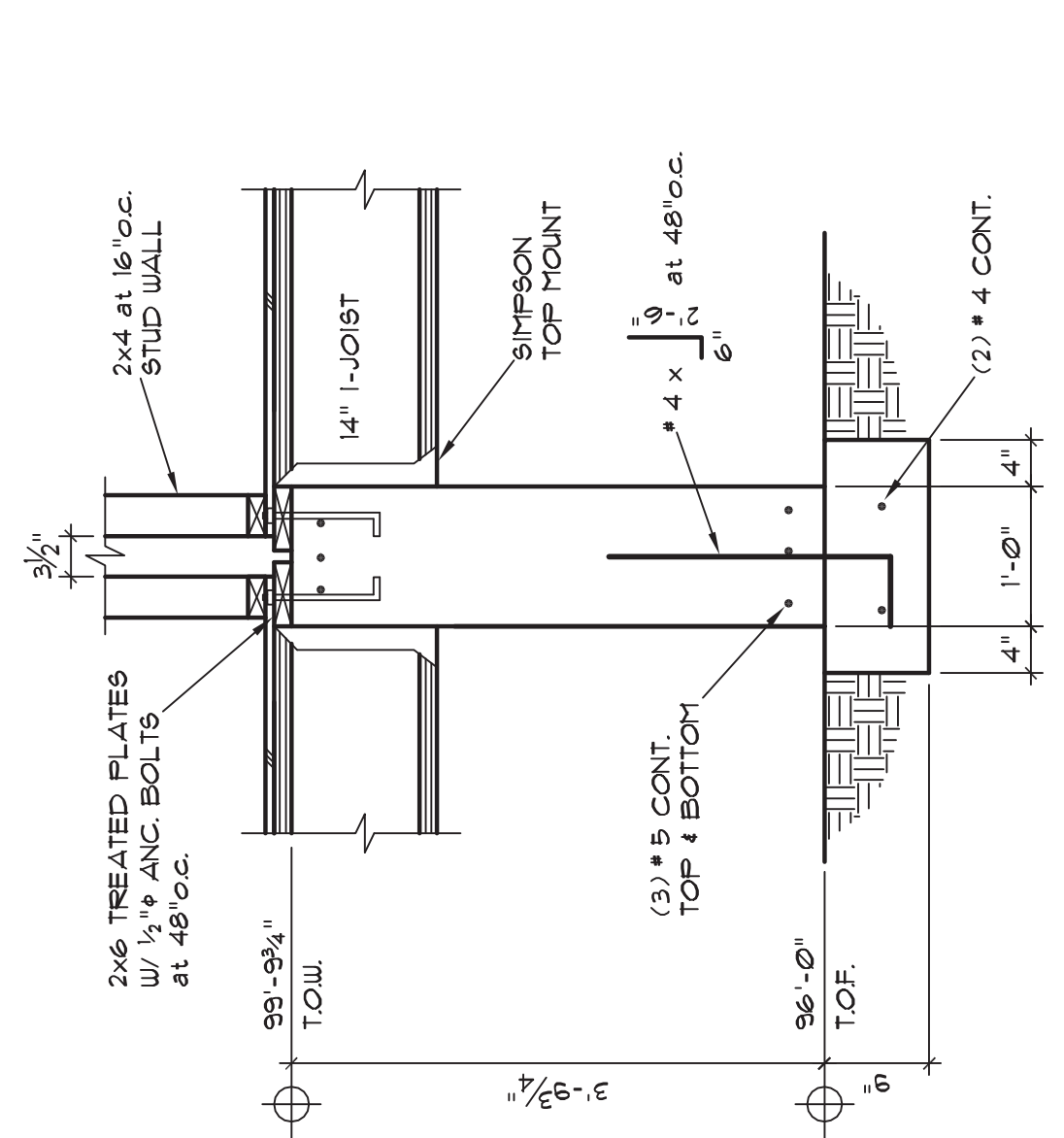
**ROOF DECK**  
 7/8" APA RATED SHEATHING EXPOSURE 1 IDENTIFICATION No. 241/6. NAIL W/ 6d NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. IN FIELD.



**HIGH ROOF FRAMING PLAN**  
 SCALE: 1/4"=1'-0"

**ROOF DECK**  
 7/8" APA RATED SHEATHING EXPOSURE 1 IDENTIFICATION No. 241/6. NAIL W/ 6d NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. IN FIELD.





**GENERAL NOTES**

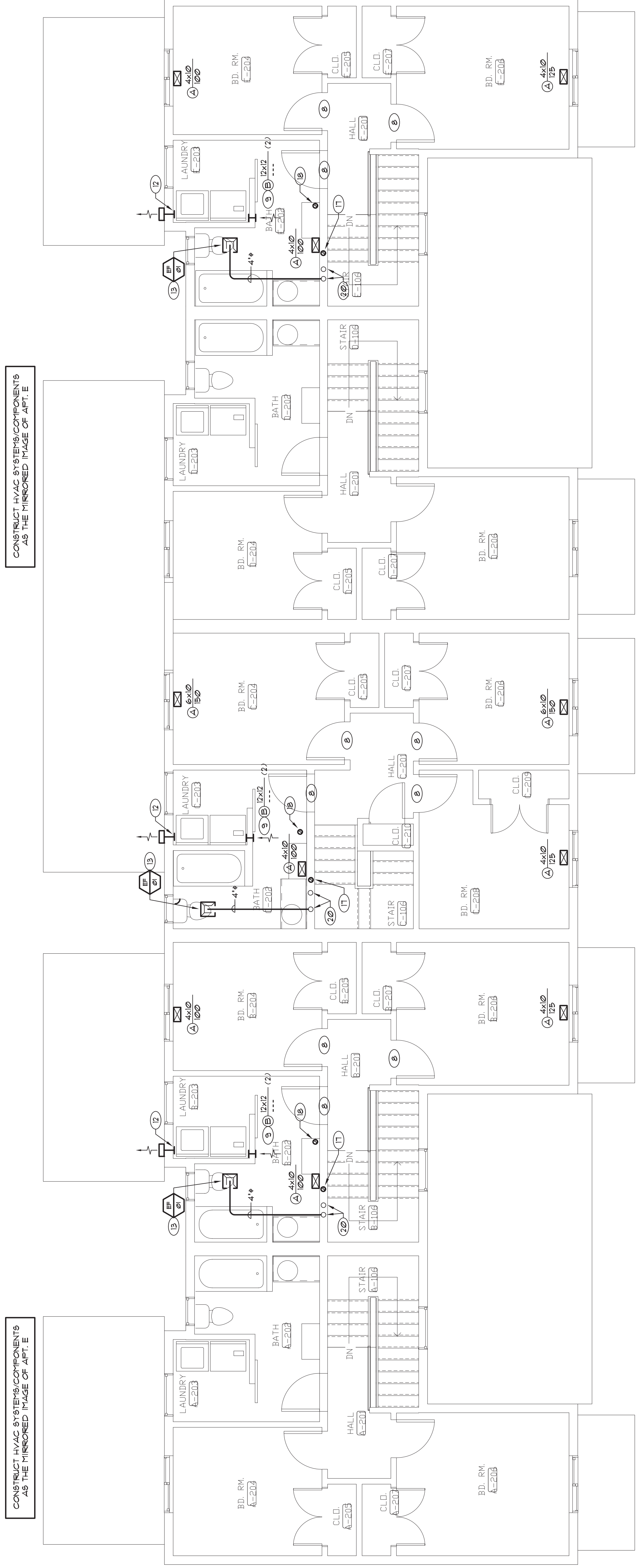
- This project is designed in accordance with the International Building Code (IBC) 2015 Edition.
- Dead Loads:
  - A. Roof: 15 psf (20 psf at trusses)
  - B. Floor: 40 psf
  - C. Wind: 115 mph, Exposure 'C'
- The structure shall be founded on spread footings placed on at least 24 inches of structural fill with a maximum bearing pressure of 3,000 psf. Footings shall be 30" top of grade to bottom of footing. Field verify all top of footing elevations on report # SC032305.125, dated June 1, 2016 (prepared by CTL Thompson) for additional information.
- Concrete:
  - A. All concrete has been designed and shall be constructed in accordance with the American Concrete Institute "Building Code Requirements for Structural Concrete" (ACI 318M) and shall be of store aggregate, unless noted otherwise.
  - B. Minimum 28 day compressive strength shall be:
    - (1) Foundation concrete shall meet ACI 308 Type II, 20% fly ash (ASTM C818 Class F), maximum water-cement ratio of 0.40, total air content of 6 percent +/- 1.5 percent, and a minimum modulus of elasticity of 4,000 psi.
    - (2) Fly ash content can be reduced to 15% for placement in cold weather provided water-cement ratio of 0.40 is maintained.
    - (3) All other concrete: 3,000 psi
  - C. Reinforcing shall be new billet steel ASTM A615, grade 60, unless otherwise noted. All reinforcing shall be lap spliced. Provide concrete bars to match all horizontal reinforcing.
  - D. Provide #2 # 6 around all openings in concrete and extend bars 24" past edges of opening.
  - E. Use the following lap lengths, U.N.O.:
    - (1) No. 6 bars and smaller
    - (2) No. 6 bars and smaller
    - (3) All other concrete:
      - a. 57 bar diameters for 3,000 psi concrete.
      - b. 48 bar diameters for 4,000 psi concrete.
      - c. 48 bar diameters for 5,000 psi concrete.
- Reinforcing placement. Provide chairs, standards, additional reinforcement, and accessories necessary to support reinforcing in concrete. Reinforcing shall be placed on form ties, bucks, or other unacceptable materials will not be allowed.
- Concrete castings are permanently exposed to:
  - (1) earth: 3 inches
  - (2) concrete exposed to earth or weather:
    - a. #5 bar and smaller: 2 inches
    - b. #5 bar and smaller: 1.5 inches
  - (3) Concrete not exposed to earth or weather: 3/4 inches
  - (4) Concrete in contact with earth: 3/4 inches
  - (5) Concrete in contact with earth and weather: 3/4 inches
  - (6) Concrete in contact with earth and weather: 3/4 inches
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  - (98) Concrete in contact with earth and weather: 3/4 inches
  - (99) Concrete in contact with earth and weather: 3/4 inches
  - (100) Concrete in contact with earth and weather: 3/4 inches
- Column base plates that require grout shall bear on non-shrink grout.
- Framing lumber shall be U.N.O.:
  - (1) Studs: Hem-Fir Stud grade
  - (2) Joists: Hem-Fir Joist grade
  - (3) Joists/Rafters: Hem-Fir #2
  - (4) Joists/Rafters: Hem-Fir #2
- Wood construction shall be in conformance with the "National Design Specification for Wood Construction" (NDS) and the "National Design Specification for Stress Grade Lumber and its Equivalents" (NDS-SGL).
- Stainless steel (or galvanized) connectors, fasteners and anchors shall be used with preservative-treated woods.
- Strand-on-strand (SOS) connections shall be used for strand-on-strand (SOS) connections.
- Pywood web joists and Ver-a-lam LVL (2.0E - notes V.L. on plans) shall be used for Ver-a-lam LVL (2.0E - notes V.L. on plans) connections. Joists and beams shall not be modified without the written consent of the Structural Engineer.
- Roof trusses shall be designed by a registered professional engineer (Colorado). Live load deflections shall not exceed L/240. Trusses shall be designed for future solar panels, verify locations and weights with Owner.
- Dimensions on these Structural drawings shall be verified with the Architectural drawings and any discrepancy shall be resolved by the Structural Engineer. Within dimensions shall take precedence over scaled measurements.
- DRAWINGS SHALL NOT BE SCALED. Within dimensions shall take precedence over scaled measurements.
- Shop drawings shall be prepared and drawn by the fabricator. These drawings for shop drawings use will not be permitted.
- Any and all material substitutions shall be approved by the Structural Engineer prior to construction.



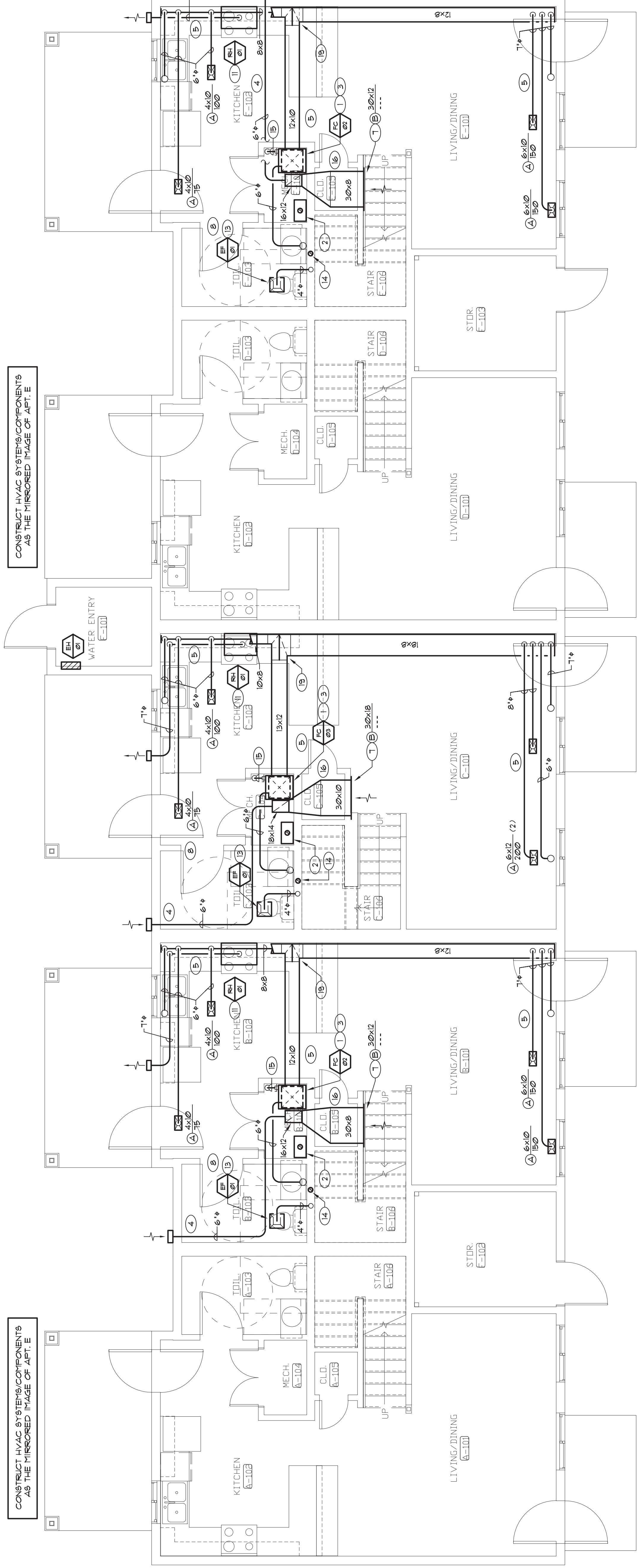




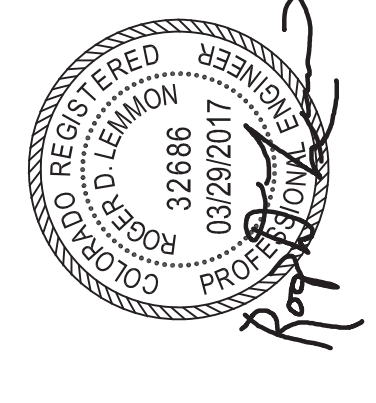
- WORK NOTES (THIS SHEET ONLY)**
- FAN COIL UNIT TO BE SUPPLIED BY MECHANICAL (HVAC) CONTRACTOR. COORDINATE WITH PLUMBING CONTRACTOR FOR PIPING CONNECTIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - TANKLESS WATER HEATER TO BE VENTED THROUGH THE ROOF BY PLUMBING CONTRACTOR. INSTALL CONDENSING WATER PIPING AND DRAINAGE SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - FAN COIL UNIT HAS A HYDROBLOC HEATING COIL. SEE PIPING DIAGRAM AND PLUMBING DRAWINGS FOR CONNECTION REQUIREMENTS TO TANKLESS WATER HEATER.
  - 6" INSULATED OA DUCT RUNNING HIGH TO THE OUTSIDE WALL. TERMINATE WITH A WEATHER CAP. THIS MUST BE 10 FEET AWAY FROM ANY EXHAUST.
  - ALL SA AND RA DUCTWORK TO BE ROUTED HIGH BETWEEN JOISTS WHERE POSSIBLE.
  - NOT USED.
  - POINT RA GRILLE HIGH IN WALL.
  - UNDERCUT DOOR BY APPROXIMATELY 1".
  - DWQ TRANSFER AIR DUCT FOR DRYER. LOCATE HIGH IN WALL.
  - NOT USED.
  - INSTALL RANGE HOOD WITH DUCT TERMINATING HIGH ON OUTSIDE WALL WITH WEATHER CAP.
  - RAN DRYER 4" VENT THROUGH THE WALL. TERMINATE WITH DRYER VENT CAP.
  - INSTALL ALL LEGS AND CONNECTIONS TO COORDINATE WITH ELECTRICAL FOR WALL SWITCH. RAN CONTINUOUSLY ON LOW BUT WILL INCREASE TO HIGH WITH SWITCH.
  - INSTALL A 4" ROUND DUCT FROM THE CRAWL SPACE TO THE ROOF.
  - DROP A 4" DUCT INTO THE CRAWL SPACE FOR APPROXIMATELY 30" CPH.
  - RAN RA DUCT UP AGAINST STRUCTURE THEN FLAIR TO FIT RA GRILLE.
  - 4" DUCT FROM BELOW TO ROOF. TERMINATE WITH A ROOF CAP.
  - T1 CONCENTRIC VENT FROM TANKLESS WATER HEATER TO ROOF. TERMINATE FLUE WITH (UB)BANK VENT, PART NO. 184162PFF. RAN VENT THROUGH CABINET.
  - RAN DUCTWORK IN JOIST SPACE THEN DROP DOWN TO RAN IN 80FFIT.
  - RAN 4" EA DUCT UP THROUGH ROOF. TERMINATE WITH A ROOF CAP.
  - SET THE CONDENSING UNIT ON A 3" LEVEL EQUIPMENT PAD.
  - PROVIDE LINE LEGS, 8" RISERS, HANGERS, BRACKETS, RECOMMENDATIONS, COVERS, BOTH LIQUID AND SUCTING LINES WITH CLOSED CELL INSULATION THEN WRAP WITH WATER PROOF COVER WHERE LINES ARE BURIED. SLEEVE APPROXIMATELY 2" BELOW GRADE WITH 1/2" DIA. RATER PIPES.



**2nd FLOOR - BLDG D - HVAC**  
SCALE: 1/4" = 1'-0"



**1st FLOOR - BLDG D - HVAC**  
SCALE: 1/4" = 1'-0"





**LEGEND** (NOT ALL ITEMS WILL BE USED)

ABBR	SYMBOL	DESCRIPTION
SW, CU, NF		SOFT, COLD AND NON-POTABLE WATER PIPING
F		FIRE PROTECTION PIPING
HU, HUIC		HOT WATER AND HOT WATER CIRCULATING PIPING
G		PRESSURE GAS PIPING
V, FGV		VENT AND FUEL OIL VENT PIPING
SS, GSS		SANITARY SEWER AND GREASE SANITARY SEWER PIPING
SD, OSD		STORM DRAIN AND OVERFLOW STORM DRAIN PIPING
RD, ORD		ROOF DRAIN LEADER OVERFLOW DRAIN LEADER
FCO, UCO, COTG		FLOOR CLEANOUT, WALL CLEANOUT AND CLEANOUT TO GRADE PIPING TO BE REMOVED
		UNION FLANGE, BLIND FLANGE, SOY GATE VALVE, BALL VALVE, GLOBE VALVE, BUTTERFLY VALVE, CHECK VALVE, STRAINER, PLUG VALVE, CALIBRATED AND DYNAMIC BALANCING VALVES, LUBRICATED PLUG VALVE, PRESSURE REDUCING VALVE, THREE WAY CONTROL VALVE, SOLENOID AND TWO-WAY, MOTORIZED CONTROL VALVE, REDUCED PRESSURE BACKFLOW PREVENTER, ANGLE RELIEF VALVE, GAUGE AND COCK, THERMOMETER, TEST PLUG
AAV / MAV, HEV		HOSE END DRAIN VALVE, AUTOMATIC AIR / MANUAL AIR VENT
HR, UR		HOSE BIBS, FROSTPROOF WALL HYDRANT, DOWN SPOUT NOZZLE
		PIPE ELBOW DOWN, PIPE TEE DOWN, PIPE TEE UP, PIPE ELBOW UP
		PIPE ANCHOR, PIPE GUIDE, PIPE SLEEVE
VTR		FLEX CONNECTION PIPE EXPANSION JOINT
IE		VENT THRU ROOF
E, R, N		EXISTING, RELOCATED AND NEW
		WORK NOTE, REVISION NO. 1, DEMOLITION NOTE 1, POINT OF CONNECTION
		SECTION A ON SHEET M-1, DIAGRAM ON SHEET M-1, RISER R-1 ON SHEET M-1
		FIXTURE EQUIPMENT TYPE, FIXTURE EQUIPMENT NUMBER

**DRAWING INDEX**

REVISIONS	
●	ISSUED FOR CONSTRUCTION
○	ISSUED FOR REFERENCE ONLY, NOT FOR CONSTRUCTION

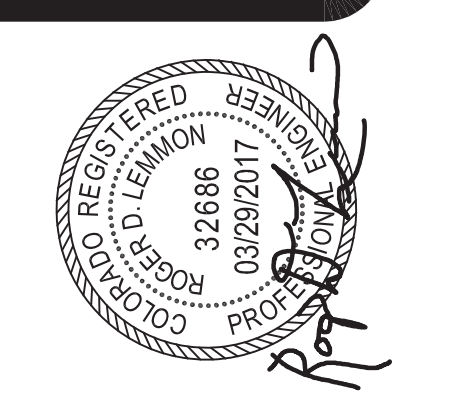
NUMBER	DRAWING TITLE	DATE	BY	CHKD	APP'D
FD0D	DRAWING INDEX, GENERAL NOTES AND LEGENDS	02/23/2011	WJ		
FD0E	SCHEDULES AND DIAGRAMS	02/23/2011	WJ		
FD0D	CRRAWL SPACE FLOOR - BUILDING D - PLUMBING	02/23/2011	WJ		
FD0D	FIRST AND SECOND FLOORS - BUILDING D - PLUMBING	02/23/2011	WJ		

**GENERAL NOTES - PLUMBING**

- COORDINATE THE INSTALLATION OF PLUMBING SYSTEMS WITH OTHER TRADES. OFFSET PIPING AS NECESSARY TO AVOID CONFLICTS WITH OTHER WORK AND STRUCTURAL ABOVE CEILING AND/OR BELOW FLOOR.
- VERIFY EXACT LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES AT SITE PRIOR TO INSTALLATION OF ANY PIPING SYSTEMS.
- RESOLVE ALL QUESTIONS OR CONFLICTS WITH THE ENGINEER BEFORE ANY EQUIPMENT IS ORDERED. MATERIALS FABRICATED OR SYSTEMS INSTALLED.
- REFERS TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF THE PLUMBING FIXTURES.
- SEAL ROOF PENETRATIONS WATERTIGHT WITH ROOF SYSTEM COMPATIBLE WITH ROOFING.
- ALL PIPING PENETRATIONS THROUGH FLOORS SHALL BE SEALED WATER TIGHT BY GROUTING PERIMETER GAP BETWEEN PIPE AND FLOOR STRUCTURE, OR BY USING APPROVE UL SLEEVE AND SEALER SYSTEM. PENETRATIONS OF RATED WALLS SHALL USE SLEEVE WITH UL APPROVED FIRE SEALANT.
- DOMESTIC WATER PIPING LOCATED IN CRAWL SPACE OF BUILDINGS SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS. NO LEAD SOLDER OR "PROFFERS" TO BE USED FOR FITTINGS THROUGHOUT.
- PIPING WITH UNIT CONNECTING FIXTURES FROM POINT IN MECHANICAL CLOSETS INDICATED ON PLANS, SHALL BE CROSS LINKED PEK PIPING WITH SPECIFIC MANUFACTURER FITTINGS.
- INSULATE ALL DOMESTIC WATER PIPING PER INSULATION SCHEDULES SHOWN IN PROJECT SPECIFICATIONS.
- WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC DUV WITH SOLVENT CEMENTED FITTINGS. SLOPE ALL WASTE PIPING AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED. PVC PIPING SHALL NOT BE USED IN RETURN AIR FLEANS.
- MAINTAIN THE UNIFORM SLOPE SHOWN ON THE PLANS FOR THE SANITARY SEWER, STORM DRAIN AND CONDENSATE DRAIN PIPING SYSTEMS.
- SUPPORT ALL CAST IRON SOIL PIPE, PVC PIPING, COPPER PIPE AND STEEL PIPE RISERS AT EVERY STORY MINIMUM.
- ALL SANITARY VENTS SHALL BE LOCATED MINIMUM 10'-0" FROM BUILDING OUTSIDE AIR INTAKES.
- INSTALLATION SHALL CONFORM TO 2005 INTERNATIONAL PLUMBING CODE, APPLICABLE SECTIONS OF THE INTERNATIONAL BUILDING CODE AND APPLICABLE SECTIONS OF THE PUEBLO BUILDING CODE.

**FIRE PROTECTION NOTES**

- PROVIDE A NEW HYDRAULICALLY CALCULATED FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH THE LATEST EDITIONS OF IBC, IFC, AND NFPA 13. COVERAGE WILL INCLUDE LIVING SPACES, MECHANICAL SPACES AND ATTIC SPACES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE SYSTEM AND SHALL FURNISH TO THE ARCHITECT ALL DESIGN CALCULATIONS, SHOP DRAWINGS OF THE SYSTEM, AND CATALOG DATA OF ALL EQUIPMENT AS PART OF REQUIRED SUBMITTAL DATA IN SPECIFICATIONS. REFER TO SHEETS F3 AND F4.
- SHOP DRAWINGS SHALL INDICATE THE LOCATION OF ALL SPRINKLER HEAD AND PIPING COORDINATED WITH THE LOCATION OF ALL STRUCTURAL MEMBERS, HVAC EQUIPMENT, LIGHT FIXTURES, CEILING DIRUSERS, REGISTERS AND PIPING.
- THE LAYOUT, SUPERVISION AND INSTALLATION OF FIRE PROTECTION SYSTEMS IS A TRADE IN ITSELF AND SHALL BE PERFORMED ONLY BY FULLY LICENSED AND TRAINED PERSONNEL WHOSE QUALIFICATIONS AND EXPERIENCE IN THE DESIGN AND INSTALLATION OF FIRE PROTECTION SYSTEMS SHALL BE SATISFACTORY TO THE ARCHITECT, SUCH AS: SKILL, EXPERIENCE, AND RESPONSIBILITY.
- NECESSARY WORK IN STRICT COMPLIANCE WITH THESE SPECIFICATIONS AND DRAWINGS. THE REQUIREMENTS OF THE STATE CERTIFIED SUPERVISION INSPECTOR, AND ALL APPLICABLE CODES, ORDINANCES, STANDARDS, AND STATUTES IN EFFECT AT THE BUILDING SITE.
  - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13.
  - UNDERWRITERS' LABORATORIES, INC. (UL) FIRE PROTECTION EQUIPMENT LIST.
  - CITY OF PUEBLO FIRE AUTHORITY.
- OBTAIN AND FAY FOR ALL NECESSARY PERMITS PRIOR TO STARTING WORK. OBTAIN CERTIFICATES, APPROVALS, AND/OR ACCEPTANCES OF ALL INTERESTED PARTIES AND AUTHORITIES HAVING JURISDICTION.
- PIPING TO BE IRON, STEEL OR CPVC IN HEIGHTS AND GAUGES APPROVED BY NFPA 13 FOR USE IN FIRE PROTECTION SYSTEMS. FITTINGS SHALL BE APPROVED FOR USE WITH THE INSTALLED SPRINKLER PIPING WITH A MINIMUM WORKING PRESSURE OF 15 PSI.
- NOTIFY OWNER, ARCHITECT AND ALL AUTHORITIES HAVING JURISDICTION, NOT LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO FINAL TESTING. DO NOT REMOVE OR BEND TO BE CONCEALED IN WALLS, FLOORS, CEILING, OR MECHANICAL ROOMS UNTIL ALL DEFECTS AND OBSERVATIONS HAVE BEEN SATISFACTORILY CORRECTED. ALL DEFECTS, DEFICIENCIES, REPAIR ALL LEAKS AND RE-TEST AS REQUIRED. NECESSARY PERSONNEL, CORRECT ALL DEFECTS, DEFICIENCIES, REPAIR ALL LEAKS AND RE-TEST AS REQUIRED.





### PLUMBING EQUIPMENT SCHEDULE

TAG	EQUIPMENT DESCRIPTION
<b>PLUMBING</b>	
FCO	FLOOR CLEAN OUT. 8"THI FIGURE 4621 STANDARD FLOOR CLEANOUT WITH SCORATED ROUND NICKEL BRONZE TOP.
WCO	WALL CLEAN OUT. 8"THI FIGURE 4132 WITH CLEANOUT TEE BRONZE THREADED PLUG, STAINLESS STEEL WALL COVER AND CENTER SCREW.
CO	PLUG CLEAN OUT. END OF LINE OR TURN WITH CLEANOUT ADAPTER AND CLEANOUT PLUG WITH RAISED NUT.
DW-1	DISHWASHER. ADA ACCESSIBLE GE BUILT-IN DISHWASHER MODEL NUMBER GLD7600JWJ34. WHITE COLOR ENERGY STAR COMPLIANT. PROVIDE WITH DRAIN HOSE AND ELECTRICAL CONNECTION. WATER SUPPLY BY CONTRACTOR (ALTERNATE SUBSTITUTES TO BE APPROVED BY OWNER).
DW-2	DISHWASHER. GE BUILT-IN DISHWASHER MODEL NUMBER GDR52PZ00JWJ34. WHITE COLOR ENERGY STAR COMPLIANT. PROVIDE WITH DRAIN HOSE AND ELECTRICAL CONNECTION. WATER SUPPLY BY CONTRACTOR (ALTERNATE SUBSTITUTES TO BE APPROVED BY OWNER).
FD-1	FLOOR SINK. 8"THI FIGURE 3180 CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR WITH SEDIMENT TRAP. PROVIDE WITH TRAP SEAL. BRONZE GRATE. 1/2" TOP WITH DEEP SEAL TRAP (WATER ENTRY ROOMS). PROVIDE WITH TRAP BREAKER. 1/2" NICKEL.
FUH-1	WALL HYDRANT. WOODFORD MODEL 61. FREEZELESS WALL HYDRANT. AUTOMATIC DRAWING WITH VACUUM BREAKER. 3/4" HOSE THREAD.
FUH-2	WALL HYDRANT. MAIN SPRINKLER SUPPLY VALVE. WOODFORD MODEL 32. FREEZELESS WALL HYDRANT. AUTOMATIC DRAWING WITH VACUUM BREAKER. 1" HOSE THREAD.
PET-1	POTABLE EXPANSION TANK. ARTICO. THER-X-TROL. 87.2. 4.5 GALLON ACCEPTANCE FACTOR. 4.4 GALLON TOTAL VOLUME. 90 PSIG MIN. AND 150 PSIG MAX. OPERATING PRESSURE. FDA APPROVED. OPERATING WEIGHT IS 13 LBS. 3/4" CU.
SA-1	SHOCK ABSORBER. 8"THI FIGURE 5009S. PROVIDE WITH ISOLATION VALVE.
WB-1	WALL BOX FOR WASHING MACHINE WATER/DRAIN CONNECTIONS. OATLEY MODEL 3893B W/TH WATTS 2 SINGLE LEVER SUPPLY VALVES. 2" DRAIN.
GD-1	FOOD WASTE DISPOSER. IN-SINK-ERATOR BADGER 5. CONTINUOUS FEED. GALVANIZED STEEL. 1/2 HP. 15 V.
WDIP-1	WASHER SAFETY DRAIN PAN. CAMCO MODEL 20792. 20"X32". WHITE PLASTIC PAN 2.5" DEEP WITH 1" BOTTOM DRAIN CONNECTION. DRAIN CONNECTION IS FIELD CUT/INSTALLED.

### TANKLESS WATER HEATER SCHEDULE

NOTES: 1) CONDENSING. 2) PROVIDE WITH HEAT TRAP FITTINGS AND VALVES. 3) PROVIDE VENTING SYSTEM AND CONCENTRIC VENT ADAPTOR WITH TERMINATION. 4) PROVIDE PRIORITY DRAIN TO DOMESTIC HOT WATER SYSTEM.

TAG	SERIES	MANUF.	MODEL	MIN/MAX INPUT MBH	EFFICIENCY	OUTLET TEMP °F	GPM @ 100°F RISE	ELECTRICAL VOLTS/PH/3	WEIGHT LBS	NOTES
WH-1	1 BR UNIT	RINNAI	RUC801	152 / 192	96%	120	42	120/1	6	1, 2, 3, 4
WH-2	2 BR UNIT	RINNAI	RUC901	182 / 192	96%	120	50	120/1	6	1, 2, 3, 4
WH-3	3 BR UNIT	RINNAI	RUC981	152 / 199	98%	120	55	120/1	6	1, 2, 3, 4

### PLUMBING FIXTURE SCHEDULE

NOTES: 1) PROVIDE WITH 3 HOLE. 4" CENTER SET FAUCET PUNCH. 2) PROVIDE WITH WATTS 685-B TEMPORARY VALVE SET 100°F. 3) PROFLO FIXTURES MAY BE SUBSTITUTED WITH OWNERS PERMISSION.

TAG	FIXTURE DESCRIPTION
WC-1	WATER CLOSET. ADA. MANFIELD. 148-123. PRESSURE ASSISTED FLUSH TANK SIFON JET ACTION. 16 GPF. VITREOUS CHINA ELONGATED BOWL. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
WC-2	WATER CLOSET. MANFIELD. 141-123. PRESSURE ASSISTED FLUSH TANK SIFON JET ACTION. 16 GPF. VITREOUS CHINA ELONGATED BOWL. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
LV-1	COUNTER TOP OVAL LAVATORY. MANFIELD. 391-4. ROUND WHITE VITREOUS CHINA. 4" FAUCET CENTERS. PROVIDE MOEN SINGLE LEVER FAUCET. CENTER SET. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 1 1/2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
LV-2	COUNTER TOP OVAL LAVATORY. MANFIELD. 280-4. ROUND WHITE VITREOUS CHINA. 4" FAUCET CENTERS. PROVIDE MOEN SINGLE LEVER FAUCET. MODEL PL4601-HDL-LEV-L-PJ-CP. "CHATEAU". 4" CENTERS. PROFLO PFS54-CP WITH WTLCP-CP 1/4" GRID DRAIN. PROFLO PFS41-CP OFFSET 1/4" CHROME PLATED 1" GAUGE P-TRAP WITH C.O. PLUG. CHROME PLATED 3/8" SUPPLIES AND LOOSE KEY ANGLE STOPS. PROVIDE 2" 85. 1 1/2" V. 1/2" CU. NOTE 2, 3.
SH-1	SHOWER UNIT. ADA WITH BEAT-ACCESSIBILITY PROFESSIONALS MODEL APT6602TEFP9. SINGLE PIECE SHOWER MODULE. PROVIDE 2" SHOWER DRAIN. BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
SK-1	COUNTER TOP ADA DOUBLE COMPARTMENT KITCHEN SINK-STERLING MIDDLETON 14633-3 20 GAUGE STAINLESS STEEL. PROVIDE MOEN M61208 WITH SIDE SPRAYER. BASKET STRAINER. 1/2" P-TRAP AND 3/4" SUPPLIES WITH ANGLE STOPS. PROFLO TRAP COVERS. 9" WIDE AS 8K-1.
TS-1	TUB/SHOWER KIT. STERLING MODEL V-60-HG. WHITE VIKRELL. 4 PIECE DESIGN. PROVIDE MOEN 8343 PRESSURE BALANCED SHOWER VALVE. TUB DIVERTER AND SHOWER HEAD. HAND HELD SHOWER. 6.5" HOSE. 30" SLIDE BAR. VACUUM BREAKER. TUB FILLER. 2" TRIP LEVER GRID DRAIN/OVER FLOW. 2" 85. 2" V. 1/2" CU. 1/2" HUI. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. ADA INSTALLATION. NOTE 3.
TS-2	TUB/SHOWER KIT. STERLING MODEL V-60-HG. WHITE VIKRELL. 4 PIECE DESIGN. PROVIDE MOEN 8339 PRESSURE BALANCED SHOWER VALVE. TUB DIVERTER AND SHOWER HEAD. 2" TRIP LEVER GRID DRAIN/OVER FLOW. 2" 85. 2" V. 1/2" CU. 1/2" HUI. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.

### FIRE PROTECTION EQUIPMENT SCHEDULE

FIXTURE DESCRIPTION

FGC-1	RISE CERT CONNECTION. COCKER 21/21/1. CABT BRASS 2 WAY INLET BODY WITH DOUBLE CLAMPERS AND PIN LUG SUIVELS. PLUGS AUTO SPRINKLER BRANDING. THREADED TO MATCH PUEBLO FIRE DEPT. REQUIREMENTS.
DCV-1	DOUBLE CHECK VALVE ASSEMBLY. BECO MODEL 880 2" BRONZE BODY. W/1" LISTED CORNER FIT WITH BALL VALVES AND CHECK VALVE ASSEMBLY WITH HOUSING AND RESISTANT FULL PORT VALVE TEST COGS. FACTORY TESTED ASSEMBLED AND TESTED.

### PLUMBING EQUIPMENT SCHEDULE

NOTES: 1) CONDENSING. 2) PROVIDE WITH HEAT TRAP FITTINGS AND VALVES. 3) PROVIDE VENTING SYSTEM AND CONCENTRIC VENT ADAPTOR WITH TERMINATION. 4) PROVIDE PRIORITY DRAIN TO DOMESTIC HOT WATER SYSTEM.

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WH-2	2 BR UNIT	RINNAI	RUC901	182 / 192	96%	120	50	120/1	6	1, 2, 3, 4
WH-3	3 BR UNIT	RINNAI	RUC981	152 / 199	98%	120	55	120/1	6	1, 2, 3, 4

### TANKLESS WATER HEATER SCHEDULE

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### FIRE PROTECTION EQUIPMENT SCHEDULE

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### PLUMBING FIXTURE SCHEDULE

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WC-2	WATER CLOSET. MANFIELD. 141-123. PRESSURE ASSISTED FLUSH TANK SIFON JET ACTION. 16 GPF. VITREOUS CHINA ELONGATED BOWL. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
LV-1	COUNTER TOP OVAL LAVATORY. MANFIELD. 391-4. ROUND WHITE VITREOUS CHINA. 4" FAUCET CENTERS. PROVIDE MOEN SINGLE LEVER FAUCET. CENTER SET. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 1 1/2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
LV-2	COUNTER TOP OVAL LAVATORY. MANFIELD. 280-4. ROUND WHITE VITREOUS CHINA. 4" FAUCET CENTERS. PROVIDE MOEN SINGLE LEVER FAUCET. MODEL PL4601-HDL-LEV-L-PJ-CP. "CHATEAU". 4" CENTERS. PROFLO PFS54-CP WITH WTLCP-CP 1/4" GRID DRAIN. PROFLO PFS41-CP OFFSET 1/4" CHROME PLATED 1" GAUGE P-TRAP WITH C.O. PLUG. CHROME PLATED 3/8" SUPPLIES AND LOOSE KEY ANGLE STOPS. PROVIDE 2" 85. 1 1/2" V. 1/2" CU. NOTE 2, 3.
SH-1	SHOWER UNIT. ADA WITH BEAT-ACCESSIBILITY PROFESSIONALS MODEL APT6602TEFP9. SINGLE PIECE SHOWER MODULE. PROVIDE 2" SHOWER DRAIN. BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
SK-1	COUNTER TOP ADA DOUBLE COMPARTMENT KITCHEN SINK-STERLING MIDDLETON 14633-3 20 GAUGE STAINLESS STEEL. PROVIDE MOEN M61208 WITH SIDE SPRAYER. BASKET STRAINER. 1/2" P-TRAP AND 3/4" SUPPLIES WITH ANGLE STOPS. PROFLO TRAP COVERS. 9" WIDE AS 8K-1.
TS-1	TUB/SHOWER KIT. STERLING MODEL V-60-HG. WHITE VIKRELL. 4 PIECE DESIGN. PROVIDE MOEN 8343 PRESSURE BALANCED SHOWER VALVE. TUB DIVERTER AND SHOWER HEAD. HAND HELD SHOWER. 6.5" HOSE. 30" SLIDE BAR. VACUUM BREAKER. TUB FILLER. 2" TRIP LEVER GRID DRAIN/OVER FLOW. 2" 85. 2" V. 1/2" CU. 1/2" HUI. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. ADA INSTALLATION. NOTE 3.
TS-2	TUB/SHOWER KIT. STERLING MODEL V-60-HG. WHITE VIKRELL. 4 PIECE DESIGN. PROVIDE MOEN 8339 PRESSURE BALANCED SHOWER VALVE. TUB DIVERTER AND SHOWER HEAD. 2" TRIP LEVER GRID DRAIN/OVER FLOW. 2" 85. 2" V. 1/2" CU. 1/2" HUI. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.

### FIRE PROTECTION EQUIPMENT SCHEDULE

FIXTURE DESCRIPTION

FGC-1	RISE CERT CONNECTION. COCKER 21/21/1. CABT BRASS 2 WAY INLET BODY WITH DOUBLE CLAMPERS AND PIN LUG SUIVELS. PLUGS AUTO SPRINKLER BRANDING. THREADED TO MATCH PUEBLO FIRE DEPT. REQUIREMENTS.
DCV-1	DOUBLE CHECK VALVE ASSEMBLY. BECO MODEL 880 2" BRONZE BODY. W/1" LISTED CORNER FIT WITH BALL VALVES AND CHECK VALVE ASSEMBLY WITH HOUSING AND RESISTANT FULL PORT VALVE TEST COGS. FACTORY TESTED ASSEMBLED AND TESTED.

### PLUMBING FIXTURE SCHEDULE

NOTES: 1) PROVIDE WITH 3 HOLE. 4" CENTER SET FAUCET PUNCH. 2) PROVIDE WITH WATTS 685-B TEMPORARY VALVE SET 100°F. 3) PROFLO FIXTURES MAY BE SUBSTITUTED WITH OWNERS PERMISSION.

TAG	FIXTURE DESCRIPTION
WC-1	WATER CLOSET. ADA. MANFIELD. 148-123. PRESSURE ASSISTED FLUSH TANK SIFON JET ACTION. 16 GPF. VITREOUS CHINA ELONGATED BOWL. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
WC-2	WATER CLOSET. MANFIELD. 141-123. PRESSURE ASSISTED FLUSH TANK SIFON JET ACTION. 16 GPF. VITREOUS CHINA ELONGATED BOWL. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
LV-1	COUNTER TOP OVAL LAVATORY. MANFIELD. 391-4. ROUND WHITE VITREOUS CHINA. 4" FAUCET CENTERS. PROVIDE MOEN SINGLE LEVER FAUCET. CENTER SET. PROVIDE BEHNS 1207C OPEN FRONT BEAT / COVER AND SUPPLY WITH ANGLE STOP. 4" 85. 1 1/2" V. 1/2" CU. REFER TO PLANS FOR RIGHT HAND/LEFT HAND CONFIGURATION. NOTE 3.
LV-2	COUNTER TOP OVAL LAVATORY. MANFIELD. 28







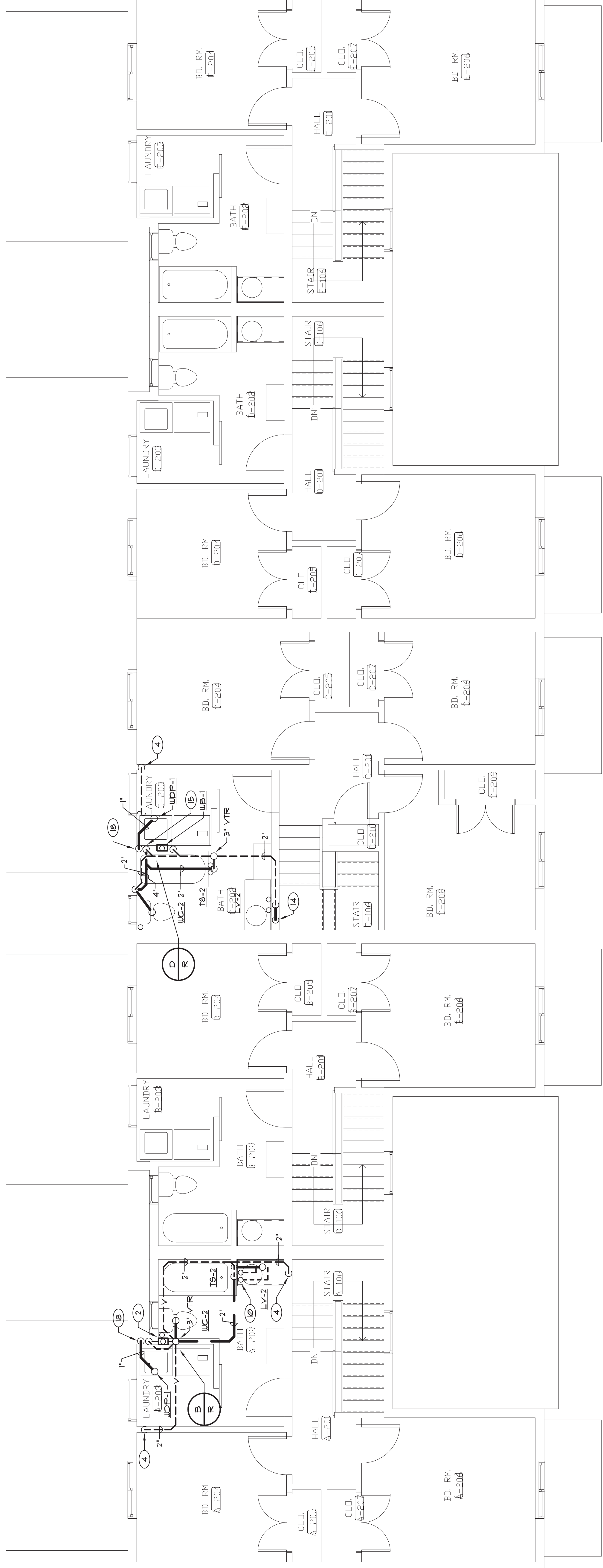
**WORK NOTES (THIS SHEET ONLY)**

1. SANITARY: REFER TO CRUAL SPACE PLUMBING SHEETS FOR SYMBOL FOR ACTUAL BUILDING DIRECTION OF FLOW.
2. WASHER STAND PIPE. SEE RISER B.
3. WASTE FROM BATHROOM/WASHER ABOVE.
4. VENT UP FROM BELOW.
5. SINK VENT TO OFFSET UNDER WINDOW.
6. VENT UP.
7. CUMULATIVE SUPPLIES. ROUTE IN COPPER, THEN TRANSITION TO PEX IN CEILING AND TO FIXTURES. PROVIDE WITH EASY ACCESS ISOLATION VALVES.
8. CU/WHU UP TO WASHER BOX.
9. CU UP TO WATER CLOSET.
10. CU/WHU UP TO TUB/SHOWER AND LAV.
11. CU/WHU DOWN INTERIOR WALL TO SUPPLY KITCHEN SINK.
12. CU/WHU DOWN W/ARTY SIDE OF INSULATION TO SUPPLY KITCHEN SINK.
13. CU/WHU UP TO TUB/SHOWER.
14. WASTE DOWN.
15. WASTE DOWN.
16. WASTE FROM FLOOR ABOVE.
17. CU/WHU UP TO LAV ABOVE.
18. ROUTE IN WASHER DISH PAN LINE THROUGH JOISTS DOWN WALLS AND BACK UP NEAR GRADE.
19. COORDINATE LOCATION OF WATER HEATER WITH MECHANICAL ROOM. REFER TO MECHANICAL SHEETS FOR MECHANICAL ROOM LAYOUT. REFER TO PIPING DIAGRAM ON SHEET P02D.
20. WATER HEATER VENT TO BE FIRED VERTICALLY THROUGH 2nd FLOOR TO ROOF AND TERMINATED PER MECHANICAL SHEETS. REFER TO VENTING DIAGRAM ON SHEET P02D.

CONSTRUCT PLUMBING SYSTEMS/COMPONENTS AS THE MIRRORRED IMAGE OF APT. A.

CONSTRUCT PLUMBING SYSTEMS/COMPONENTS AS THE MIRRORRED IMAGE OF APT. A.

CONSTRUCT PLUMBING SYSTEMS/COMPONENTS AS THE MIRRORRED IMAGE OF APT. D.

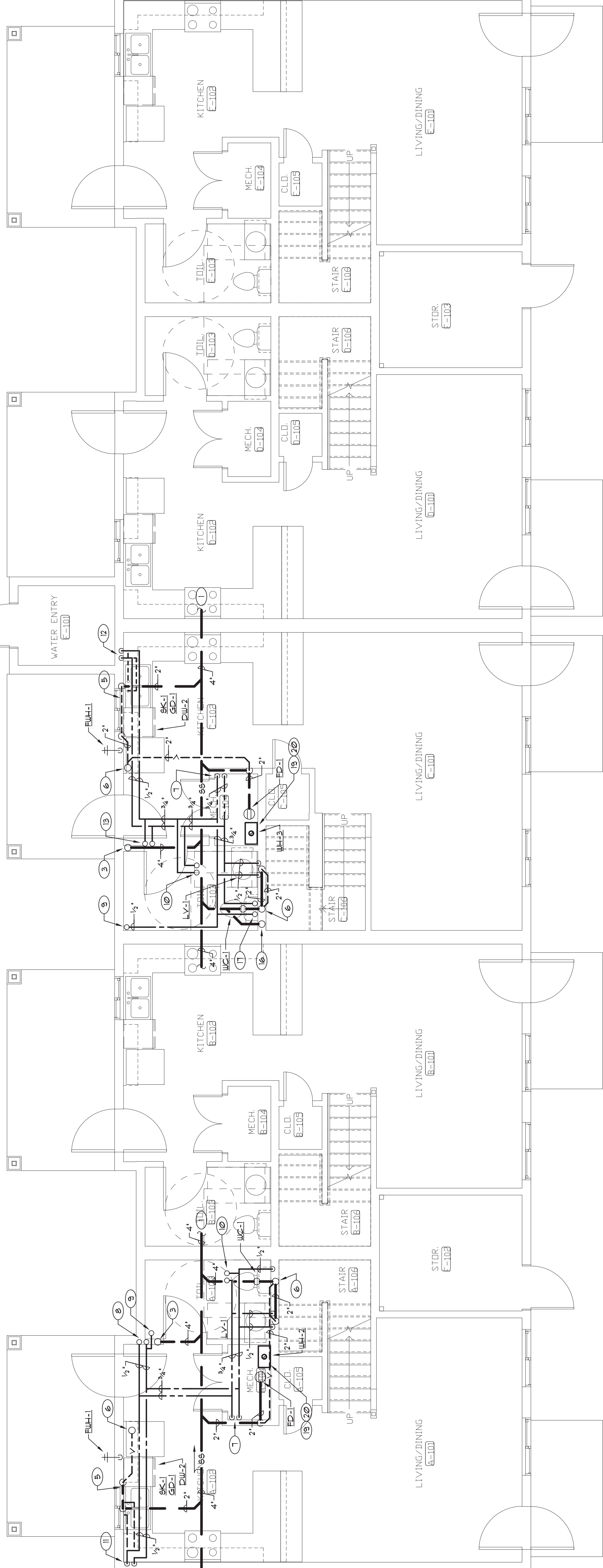


**2nd FLOOR - BLDG D - PLUMBING**  
 SCALE: 1/4" = 1'-0"

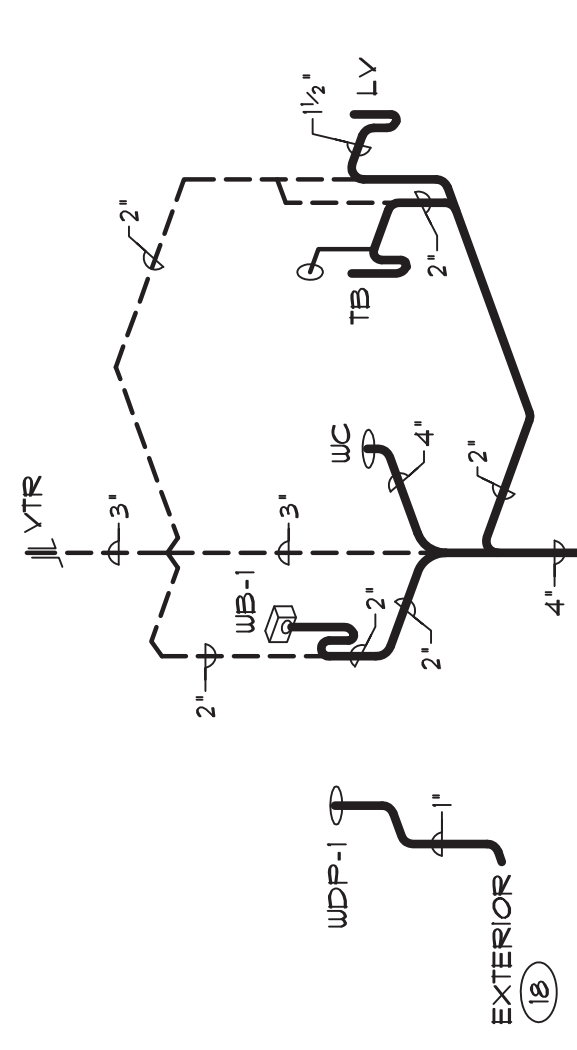
CONSTRUCT PLUMBING SYSTEMS/COMPONENTS AS THE MIRRORRED IMAGE OF APT. A.

CONSTRUCT PLUMBING SYSTEMS/COMPONENTS AS THE MIRRORRED IMAGE OF APT. A.

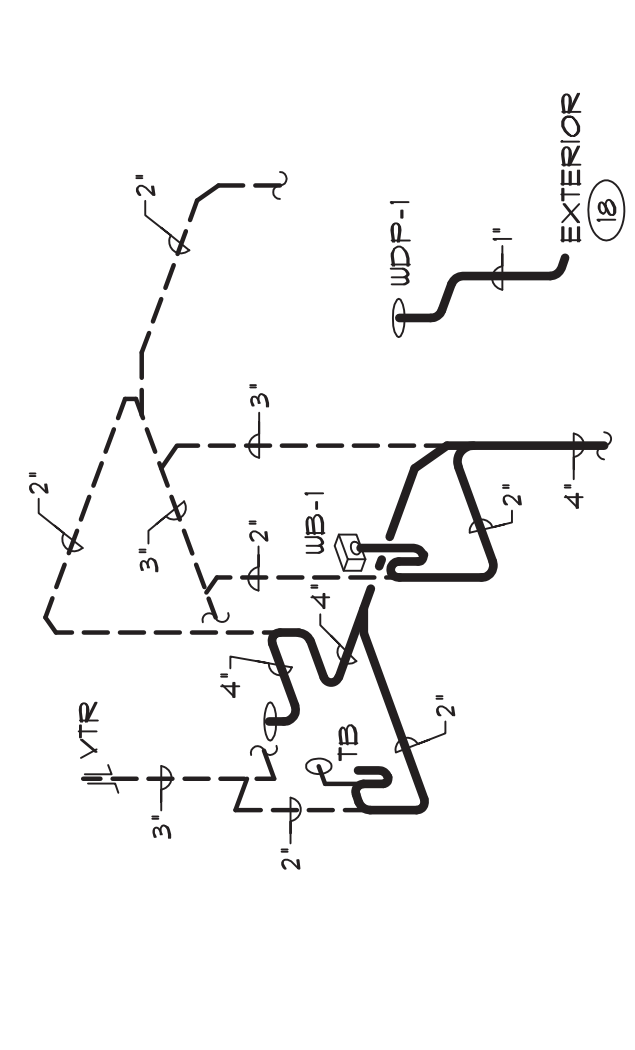
CONSTRUCT PLUMBING SYSTEMS/COMPONENTS AS THE MIRRORRED IMAGE OF APT. D.



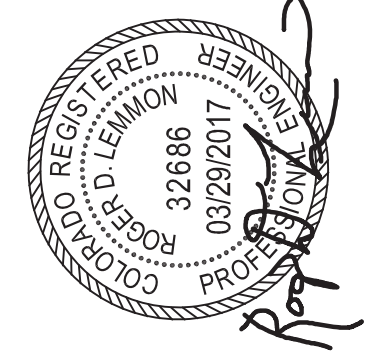
**1st FLOOR - BLDG D - PLUMBING**  
 SCALE: 1/4" = 1'-0"



**WASTE/VENT RISER**  
 SCALE: 1/4" = 1'-0"



**WASTE/VENT RISER**  
 SCALE: 1/4" = 1'-0"





**Meterstacks MS6 Style**

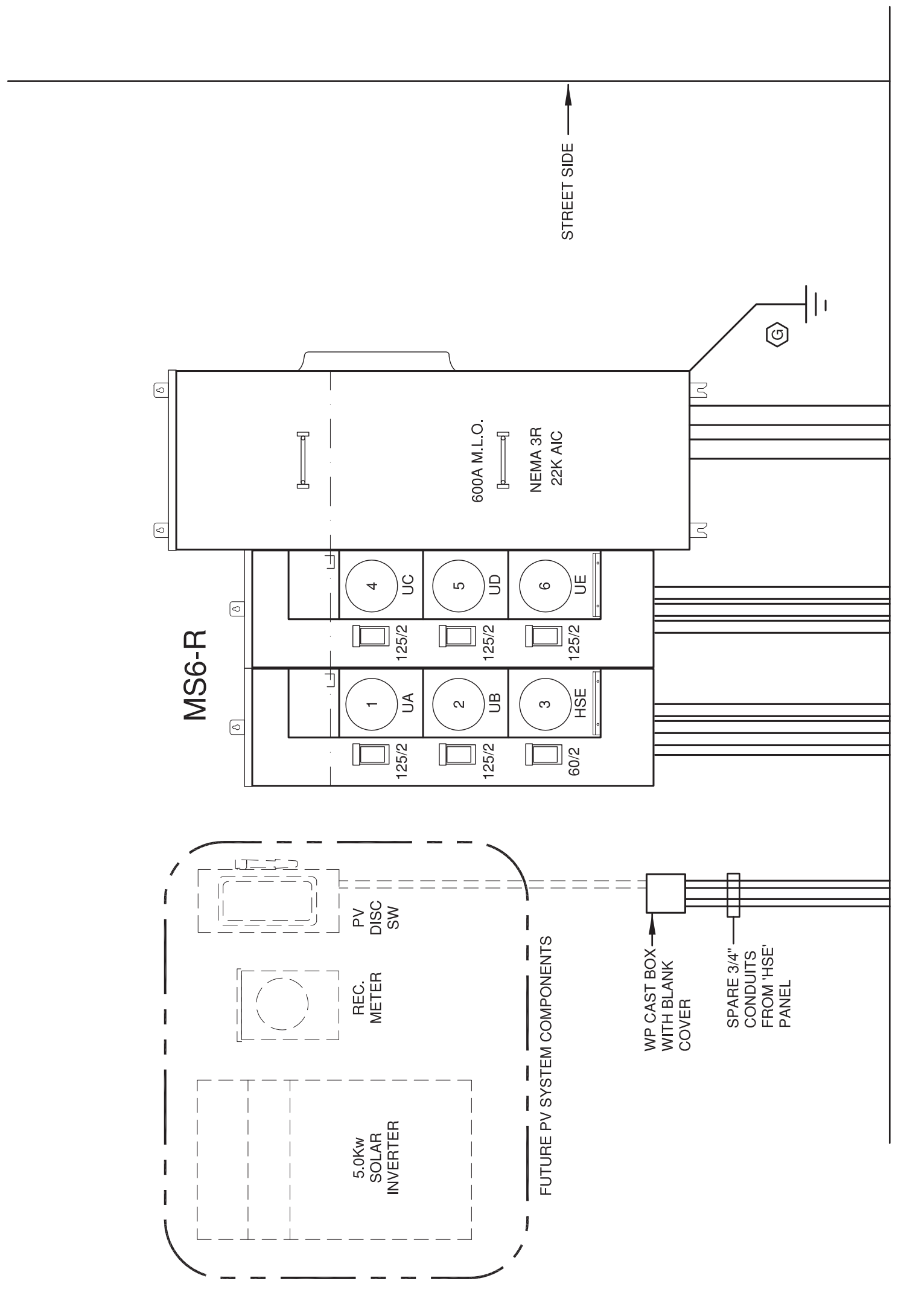
GROUNDING ELECTRODE SYSTEM  
 PROVIDE A 1/4" x 1/4" x 1/2" BRASS ROD TO YEAR  
 ELECTRODE UPPER GROUND AND  
 FINAL CONNECTION TO COLD WATER  
 ENTRY.

FEEDER SCHEDULE:  
 SERVICE LATERAL METERS TO YEAR  
 2 SETS PARALLEL (3650.0A @ 212°C)  
 TYPICAL UNIT PANEL  
 3810.0A @ 112°C  
 TYPICAL HOUSE PANEL  
 3860.0A @ 112°C

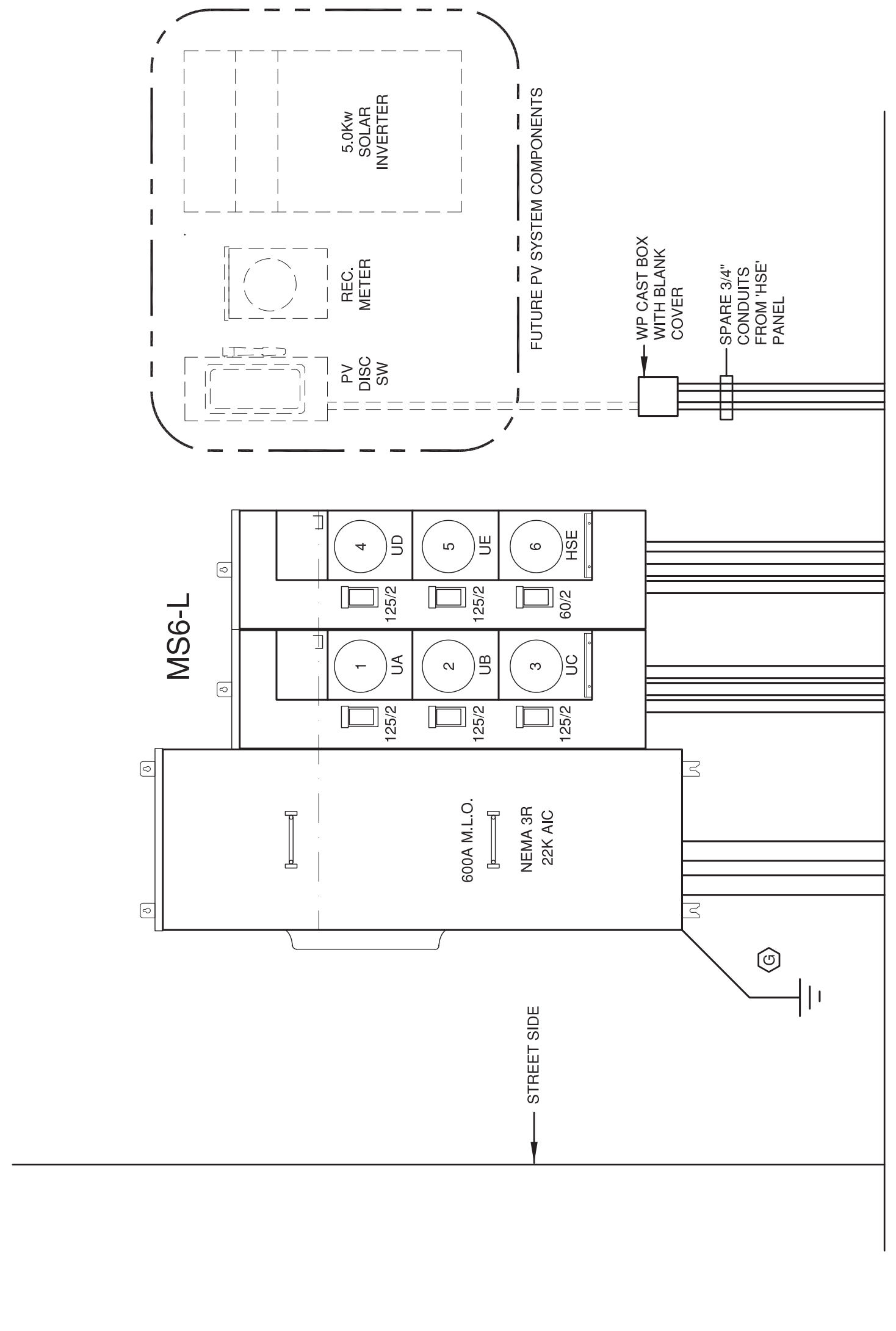
GENERAL NOTE:  
 LABEL BREAKERS AS SERVICE  
 DISCONNECTS 1, 2, 3, 4, 5, 6

SCHEDULE FOR PANEL HSE				
VOLTS/PHASE/WIRE	120/240/1PH-3W			
MOUNTING	MAIN DEVICE 600A MLO			
SUBBASE	S.C. RATING 10000AIC			
NOTES: * Indicates Circuit may be used for Site Lighting Re: ES1.3 for Building's Used. Max. 350V				
Daily/Demand Load is Calculated Per NEC: 1. Use Cmp. Htg. Air & AC at 125% Req. 10 + 50% and 0th 010X				
CONNECTED KVA 3.28				
LOAD FACTOR 1.16				
DUTY/DEMAND KVA 3.79				
PHASE A (KVA) 2.9				
PHASE B (KVA) 0.9				
PHASE C (KVA) 0.4				
AVERAGE AMPS/LEG BASED ON DUTY/DEMAND KVA 15.8				
#	DESCRIPTION	UNIT	AMPS	PHASE
1	1000 Break Panel Breaker	1000	1000	PH
2	1000 Break Panel Breaker	1000	1000	PH
3	1000 Break Panel Breaker	1000	1000	PH
4	1000 Break Panel Breaker	1000	1000	PH
5	1000 Break Panel Breaker	1000	1000	PH
6	1000 Break Panel Breaker	1000	1000	PH
7	1000 Break Panel Breaker	1000	1000	PH
8	1000 Break Panel Breaker	1000	1000	PH
9	1000 Break Panel Breaker	1000	1000	PH
10	1000 Break Panel Breaker	1000	1000	PH
11	1000 Break Panel Breaker	1000	1000	PH
12	1000 Break Panel Breaker	1000	1000	PH

ENCLOSURE TYPE: NEMA 1  
 CLASS OF EQUIPMENT: LOADCENTER  
 BREAKER TYPE: PLUG ON  
 NO. CIRCUITS: 12



SERVICE LATERAL WORTH (410.0A) LARGEST CALCULATED LOAD ON HSE STYLE IS (403.9A)



SERVICE LATERAL WORTH (410.0A) LARGEST CALCULATED LOAD ON HSE STYLE IS (403.9A)

Load Type	Load Code	Conn Kva	Dmd Factor	Dmd Kva
Lighting	Ltg	0.5	125%	0.6
Gen Use Rec	Rec	0.5	10-50%	0.5
Mechanical Equip	Mech	1.5	125%	1.9
General Lighting	GL	70.1	3+35%	26.5
Dryer	D	35.0	85%	21.3
Range	RG	40.0	45%	18.0
Other	Other	28.2	100%	28.2
Demand Kva	Demand Kva			96.9
Demand Amps	Demand Amps			403.9

Notes:  
 1. HOUSE LOADS 'Ltg', 'Rec', 'Mech'  
 2. UNIT LOADS 'GL', 'D', 'RG', 'Other'

TYPE	DESCRIPTION & MANUFACTURE CATALOG NUMBERS	NOTES	FINISH	LOCATION	LAMP(S)	
					NO.	TYPE
A	NOMINAL 15" x 4" x 1/4" LENS FLUORESCENT FIXTURE WITH MEDIUM OAK FINISH, FROSTED WHITE ACRYLIC LENS AND 120V ELECTRONIC BALLAST. LIGHTING #55351LE-15 OR APPROVED EQUIVALENT.	1	WHITE	KITCHEN	4	82 CRI F32T9/530 3000 Deg K
B	6" ROUND IC RATED LED CAN LIGHT WITH 30K LAMP COLOR AND WHITE TRIM RING. LIGHTING #55351LE-15 OR APPROVED EQUIVALENT.	1	WHITE	VARIOUS	-	15W/100BLUM/3000 Deg K
C	NOMINAL 8" DIAMETER SURFACE MOUNTED (ROUND) LED STANDARD HIGH IMPACT POLYCARBONATE COLUMBA #R5LEDA10L-30K-9-WH OR APPROVED EQUIVALENT.	1	WHITE	VARIOUS	-	18W/940LUM/3000 Deg K
D	SURFACE MOUNTED NOMINAL 15" DIA. x 5.5" HIGH FLUORESCENT FIXTURE WITH BRUSHED NICKEL TRIM AND SEA GULL LIGHTING #7594BLE-962 OR APPROVED EQUIVALENT.	1	NICKEL	VARIOUS	3	80 CRI 13W-CU24 3000 Deg K
E	6" LAMP WALL MOUNTED OPEN FLUORESCENT STRIP WITH NICKEL FINISH AND WHITE TEXTURED POLYCARB. DIFFUSER. LIGHTING #77286-30EB OR APPROVED EQUIVALENT.	1	B.W.E.	LAUNDRY	2	82 CRI F32T8 3000 Deg K
F	SURFACE MOUNTED NOMINAL 17" DIA. x 5" HIGH FLUORESCENT FIXTURE WITH BRUSHED NICKEL TRIM AND SEA GULL LIGHTING #7594BLE-962 OR APPROVED EQUIVALENT.	1	NICKEL	DINING	2	80 CRI 13W-CU24 3000 Deg K
G	SURFACE MOUNTED 15" DIA. SEILING FAN WITH ALUMINUM FINISH AND WHITE TRIM KIT WITH SWIRL ALUMINUM STYLE GLASS. LIGHTING #7594BLE-962 OR APPROVED EQUIVALENT.	1	WHITE	LIVING	2	80 CRI 13W-CU24 3000 Deg K
H	24" WIDE OVER MIRROR LIGHT WITH BRUSHED NICKEL FINISH AND WHITE TEXTURED POLYCARB. KICKLER #8300K-11142NILED OR APPROVED EQUIVALENT.	1	NICKEL	RESTROOMS	-	20W/141LUM 3000 Deg K
J	1. LIGHT DECORATIVE SCIENCE WITH FLUOR. BULB, NICKEL FINISH AND WHITE GLASS. LIGHTING #49038BLE-999 OR APPROVED EQUIVALENT.	1	NICKEL	HALL	1	80 CRI 13W-CU24 3000 Deg K
K	SMALL LED EXTERIOR WALL SCIENCE OPERATED VIA ASTRONOMICAL TIME SWITCH. LIGHTING #8300K-49278XLED OR APPROVED EQUIVALENT.	1	BY ARCH	EXTERIOR	-	8W/720LUM/3000 Deg K
L	DARK SKY COMPATIBLE LED ADDRESS LIGHT OPERATED VIA ASTRONOMICAL TIME SWITCH. MOUNT LV TRANSFORMER IN ACCESSIBLE SPACE. LIGHTING #8300K-49278XLED OR APPROVED EQUIVALENT.	1	BY ARCH	EXTERIOR	-	8W/720LUM/3000 Deg K
AA	EXTERIOR LED WALL SCIENCE WITH TYPE III HUBBEL #TRP-12-12-15-367-3-U-XX-POU OR APPROVED EQUIVALENT.	1	BY ARCH	EXTERIOR	-	15W/1477LUM/3000 Deg K
BB	EXTERIOR SMALL LED WALL SCIENCE OPERATED VIA ASTRONOMICAL TIME SWITCH. LIGHTING #8300K-49278XLED OR APPROVED EQUIVALENT.	1	BY ARCH	EXTERIOR	-	8W/492LUM/3000 Deg K

NOTES:  
 1. SUBSTITUTIONS PRIOR TO BID REQUIRED. ENGINEERS MUST RECEIVE PRODUCT DATA 10 DAYS PRIOR TO BID - ONLY PRODUCT LISTED IN AN ADDENDUM WILL BE ACCEPTED.  
 FIXTURES TO BE ENERGY STAR RATED OR UTILIZE ENERGY EFFICIENT LAMPS AS LISTED IN ADDENDUM.

SYMBOL LEGEND	
20A-1P LIGHT SWITCH MOUNTED AT +45° A.F.F.	20A, 3 WAY SWITCH MOUNTED AT +45° A.F.F.
WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR MOUNTED AT +45° A.F.F.	WALL MOUNTED FAN SWITCH MOUNTED AT +45° A.F.F.
WATSTOPPER #J5W-301 OR APPROVED EQUIVALENT.	WALL MOUNTED ASTRONOMICAL TIME CLOCK ON/OFF FUNCTION MOUNTED AT +45° A.F.F.
WALL MOUNTED FAN SWITCH MOUNTED AT +45° A.F.F.	WATSTOPPER #RT-200 OR APPROVED EQUIVALENT.
20A TAMPER RESISTANT DUPLEX RECEPTACLE WITH ONE-HALF SWITCHED FOR DISPOSER & DISHWASHER. MOUNT BELOW COUNTER.	15A TAMPER RESISTANT GROUND FAULT CIRCUIT INTERRUPT TYPE DUPLEX RECEPTACLE MOUNT AT +45° A.F.F. UNLESS INDICATED OTHERWISE ON DRAWINGS.
15A TAMPER RESISTANT AFCI BREAKER PROTECTED (GENERAL USE) DUPLEX RECEPTACLE. MOUNTED AT +18°.	30A-120/250V OUTLET FOR DRYER. GROUND PER NEC.
50A-120/250V OUTLET FOR RANGE. GROUND PER NEC. MOUNTING HEIGHT TO BE COORDINATED WITH EQUIPMENT INSTALLED.	CONNECTION FOR EXHAUST FAN. PROVIDE SNAP SWITCH NO THERMAL OVERLOAD MOUNT 6" MTR.
CONNECTION FOR FAN COIL UNIT. PROVIDE SNAP SWITCH WITH THERMAL OVERLOAD MOUNT 6" MTR.	CONNECTION FOR WATERHEATER. RE: MECHANICAL
HEAVY DUTY MOTOR DISCONNECT SWITCH FOR UNIT AIR CONDITIONING UNIT.	TELEPHONE OUTLET MOUNTED. PROVIDE A SINGLE GANG BACKBOX, BLANK PLATE AND 3/4" x 1/2" INTO ACCESSIBLE CRAWLSPACE OR AS OTHERWISE DIRECTED BY ARCHITECT.
CABLE TELEVISION OUTLET - PROVIDE SINGLE GANG BACKBOX, BLANK PLATE AND 3/4" x 1/2" INTO ACCESSIBLE CRAWLSPACE OR AS OTHERWISE DIRECTED BY ARCHITECT.	120V HARD WIRED STROBE LIGHT WITH 9V BATTERY BACKUP AND ALARM. UNITS TO BE TAKEN WIRED WITHIN APT. UNIT TO SOUND ALARM'S SIMULTANEOUSLY.
SYSTEM EXTERIOR WEATHER PROOF HORN/STROBE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND TIED INTO FIRE SPRINKLER SYSTEM. CONDUIT AND BOXES BY ELEC CONTRACTOR.	SYSTEM SMOKE DETECTOR PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR. CONDUIT AND BOXES BY ELEC CONTRACTOR.
WATERFLOW SWITCH/ES PROVIDED AND INSTALLED BY FIRE PROTECTION CONTRACTOR.	TAMPER SWITCH/ES PROVIDED AND INSTALLED BY FIRE PROTECTION CONTRACTOR.
SYMBOL ATTRIBUTES - 'A' = MOUNTED ABOVE COUNTER. RE: ARCHITECTURAL CASEWORK.	

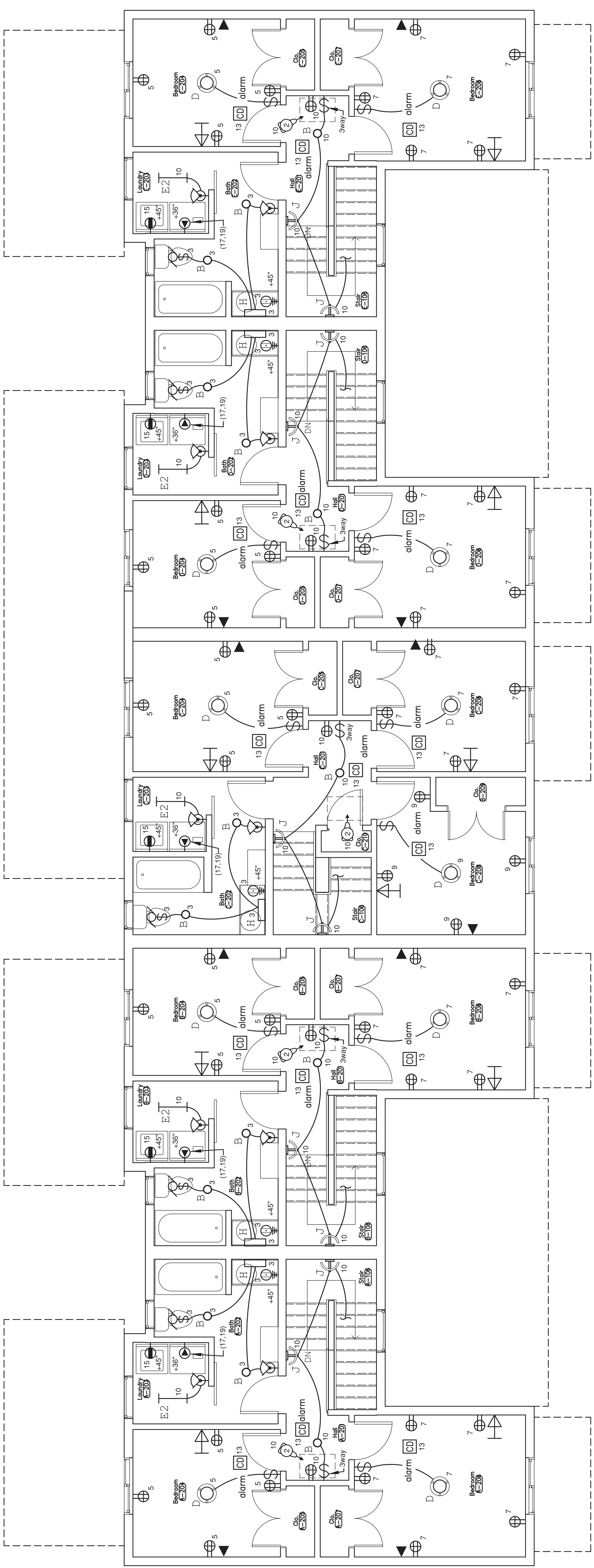


**SCHEDULE FOR PANEL U1**

VOLTS/PHASE/WIRE	120/240/1ph-3w	MAIN DEVICE	125a_MLO
MOUNTING	FLUSH	S.C. RATING	10,000_AIC
NOTES:	Provide with (2) each Spore 3/4" into Attic & Crawlspace		
	A' Indicates Arc Fault Circuit Interrupt Type Breaker.		
Daily/Demand Load is Calculated Per NEC: 149, 220, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000			

**SCHEDULE FOR PANEL U2**

VOLTS/PHASE/WIRE	120/240/1ph-3w	MAIN DEVICE	125a_MLO
MOUNTING	FLUSH	S.C. RATING	10,000_AIC
NOTES:	Provide with (2) each Spore 3/4" into Attic & Crawlspace		
	A' Indicates Arc Fault Circuit Interrupt Type Breaker.		
Daily/Demand Load is Calculated Per NEC: 149, 220, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000			

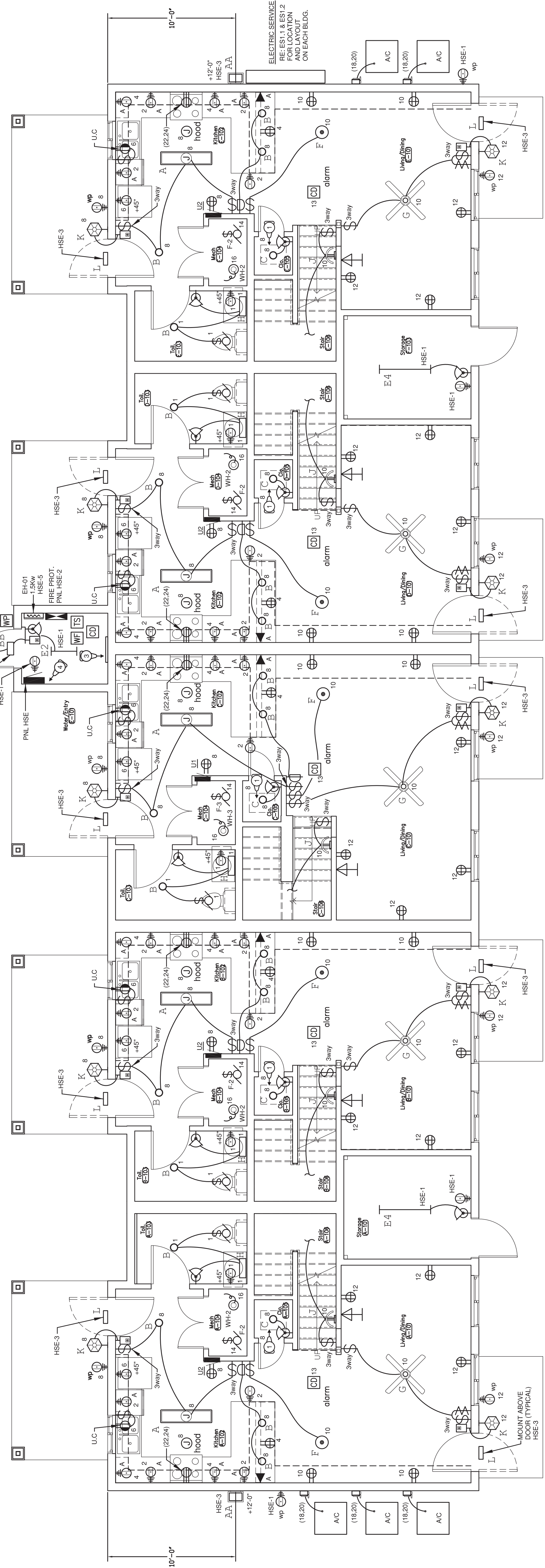


BLDG D - SECOND FLOOR - ELECTRICAL PLANS

SCALE: 1/4" = 1'-0"

FINAL LAYOUT OF ROOM TO BE EQUIPPED WITH EQUIPMENT. DO NOT RUN WATER LINES OVER PANEL.

ROUGH IN FOR FIRE PROTECTION EQUIPMENT. EXACT REQUIREMENT WITH FIRE PROTECTION SYSTEM CONTRACTOR.



BLDG D - FIRST FLOOR - ELECTRICAL PLANS

SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- ONLY APPROVED PRODUCTS LISTED ON DRAWINGS OR IN AN ADDENDUM WILL BE ACCEPTED.
  - REFER TO MECHANICAL DRAWINGS AND ACCESSORIES FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
  - ELECTRICAL CONTRACTORS TO CONFORM ALL MECHANICAL EQUIPMENT CONNECTIONS PRIOR TO ROUGH-IN.
  - ELECTRICAL CONTRACTORS SHALL REFER TO ARCHITECTURAL CASEWORK DRAWINGS PRIOR TO ROUGH-IN.
  - ALL CONDUITS FOR LOW VOLTAGE SYSTEMS TO HAVE WITH SERVING UTILITY (TELEPHONE) FOR EACH REQUIREMENTS. RECEPTACLES TO BE TAMPER RESISTANT GFI RECEPTACLES.
  - RE: ARCHITECTURAL DRAWINGS FOR FIRE SEPARATION.
- FLAG NOTES:**
- PROVIDE (2) FLUORESCENT KEYLESS (EQUAL TO LEVITON 8880-LHG) AND (1) RECEPTACLE IN CRAWLSPACE WIRE TO CIRCUIT INDICATED.
  - PROVIDE (2) FLUORESCENT KEYLESS (EQUAL TO LEVITON 8880-LHG) AND (1) RECEPTACLE IN ATTIC SPACE WIRE TO CIRCUIT INDICATED.
  - PROVIDE A 4"X4" PLYWOOD BACKBOARD FOR INCOMING SERVICE PROVIDERS.
  - PROVIDE 20' CONNECTION FOR IRRIGATION CONTROLS. SUPPLIER WIRE TO CIRCUIT HSE-4.
- POWER BRANCH CIRCUIT REQUIREMENTS:**
- 150 GENERAL LIGHTING BRANCH CIRCUIT (Amp+ft)
  - 500 AC UNIT & DRYER BRANCH CIRCUIT (240V)
  - 50A AC UNIT & DRYER BRANCH CIRCUIT (240V)
  - WIRING METHODS IN UNITS MAY BE AC OR FLEXIBLE NON METALLIC CONDUIT SYSTEMS AS ALLOWED BY THE APARTMENT UNIT WIRING ONLY.
  - ALL AFCI CIRCUITS REQUIRE A DEDICATED NEUTRAL.

