



30th STREET APARTMENTS

451 & 475 30th Street

OGDEN, UTAH

ARCHITECT

OWNER

GENERAL CONTRACTOR

CIVIL ENGINEER

STRUCTURAL ENGINEER

MECHANICAL/PLUMBING ENGINEER

ELECTRICAL ENGINEER

HARRIS ARCHITECTURE
PROVO, UTAH

ACTION PROPERTY MGT
SANDY, UTAH

BONNEVILLE BUILDERS
SALT LAKE CITY, UTAH

PARK ENGINEERING, INC
HEBER CITY, UTAH

LEI
SPANISH FORK, UTAH

ROYAL ENGINEERING
PROVO, UTAH

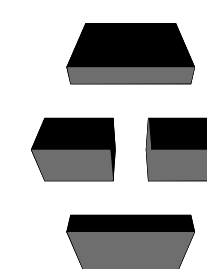
ROYAL ENGINEERING
PROVO, UTAH

CIVIL	ARCHITECTURAL	STRUCTURAL	MECHANICAL	PLUMBING	ELECTRICAL
SEE CIVIL SUBMITTAL	A2.1 - EXTERIOR BUILDING ELEVATIONS A3.0 - BUILDING CUT SECTIONS A3.1 - BUILDING CUT SECTIONS A3.2 - BUILDING CUT SECTIONS A3.3 - WALL TYPES / DETAILS A4.0 - DOOR SCHEDULE A4.1 - WINDOW TYPES A4.1a - DOOR TYPES A4.2 - DOOR DETAILS A4.3 - TYPICAL DETAILS A4.4 - TYPICAL DETAILS A4.5 - DUMPSTER ENCLOSURE DETAILS A4.6 - SIGNAGE DETAILS A4.7 - TYPICAL PENETRATION DETAILS A4.7a - TYPICAL PENETRATION DETAILS A4.7b - TYPICAL PENETRATION DETAILS A4.7c - TYPICAL PENETRATION DETAILS A4.7d - TYPICAL PENETRATION DETAILS A4.8 - TYPICAL SOUND DETAILS A6.1 - LEVEL 1 R.C.P. A6.2 - LEVEL 2 R.C.P. A6.3 - LEVEL 3 R.C.P. A6.4 - UNIT REFLECTED CEILING PLANS A7.0 - INTERIOR ELEVATION / DETAILS	S0.0 - STRUCTURAL NOTES S0.1 - STRUCTURAL NOTES S1.0 - FOOTING AND FOUNDATION PLAN S2.0 - STRUCTURAL DETAILS S3.1 - LEVEL 1 SHEAR PLAN S3.2 - LEVEL 2 SHEAR PLAN S3.3 - LEVEL 3 SHEAR PLAN S4.0 - LEVEL 2 FRAMING PLAN S4.1 - LEVEL 3 FRAMING PLAN S4.2 - ROOF FRAMING PLAN S5.0 - STRUCTURAL DETAILS S5.1 - STRUCTURAL DETAILS S5.2 - STRUCTURAL DETAILS S6.0 - STRUCTURAL SCHEDULES	M0.1 - GENERAL MECHANICAL NOTES, SYMBOLS, AND SHEET INDEX M1.1 - LEVEL 1 MECHANICAL PLAN M1.2 - LEVEL 2 MECHANICAL PLAN M1.3 - LEVEL 3 MECHANICAL PLAN M1.4 - ROOF MECHANICAL PLAN M4.1 - ENLARGED UNITS TYPICAL MECHANICAL PLANS M6.1 - MECHANICAL SCHEDULES M6.2 - MECHANICAL DETAILS M6.3 - MECHANICAL DETAILS M6.4 - MECHANICAL DETAILS M7.1 - MECHANICAL SPECIFICATIONS M7.2 - MECHANICAL SPECIFICATIONS M7.3 - MECHANICAL SPECIFICATIONS	P0.1 - GENERAL PLUMBING NOTES, SYMBOLS, AND SHEET INDEX P1.1 - UNDERGROUND PLUMBING PLAN P1.2 - LEVEL 1 PLUMBING PLAN P1.3 - LEVEL 2 PLUMBING PLAN P1.4 - LEVEL 3 PLUMBING PLAN P1.5 - ROOF PLUMBING PLAN P4.1 - ENLARGED UNITS TYPICAL PLUMBING PLANS P6.1 - PLUMBING SCHEDULE & SCHEMATICS P6.2 - CULINARY WATER SCHEMATICS P6.3 - WASTE AND VENT SCHEMATICS P6.4 - PLUMBING DETAILS P6.5 - PLUMBING DETAILS P7.1 - PLUMBING SPECIFICATIONS P7.2 - PLUMBING SPECIFICATIONS	E0.1 - ELECTRICAL COVER SHEET E0.2 - SITE ELECTRICAL PLAN E0.3 - SITE PHOTOMETRIC PLAN E1.1 - LEVEL 1 ELECTRICAL PLAN E1.2 - LEVEL 2 ELECTRICAL PLAN E1.3 - LEVEL 3 ELECTRICAL PLAN E1.4 - ROOF ELECTRICAL PLAN E4.1 - TYPICAL UNIT ELECTRICAL PLAN E5.1 - ELECTRICAL DETAILS E5.2 - ELECTRICAL DETAILS E5.3 - ELECTRICAL DETAILS E6.1 - ELECTRICAL SCHEDULES E6.2 - ELECTRICAL SCHEDULES E7.1 - ELECTRICAL SPECIFICATIONS
LANDSCAPE					
SEE CIVIL SUBMITTAL					
ARCHITECTURAL					
A0.0 - TITLE SHEET A0.1 - PROJECT INFORMATION A0.2 - PROJECT IDENTIFICATION SIGN A0.3 - LEVEL 1 & 2 FIREWALL / EXIT PLAN A0.4 - LEVEL 3 FIREWALL / EXIT PLAN A1.0 - FLOOR SLAB PLAN A1.1 - LEVEL 1 FLOOR PLAN A1.1a - LEVEL 1 DIMENSIONAL PLAN A1.2 - LEVEL 2 FLOOR PLAN A1.2a - LEVEL 2 DIMENSIONAL PLAN A1.3 - LEVEL 3 FLOOR PLAN A1.3a - LEVEL 3 DIMENSIONAL PLAN A1.4 - ROOF PLAN A1.5 - UNIT TYPE 1 TYPICAL FLOOR PLAN A1.6 - UNIT TYPE 2 & 3 TYPICAL FLOOR PLANS A2.0 - EXTERIOR BUILDING ELEVATIONS					

REVISIONS

DRAWN BY
MHF

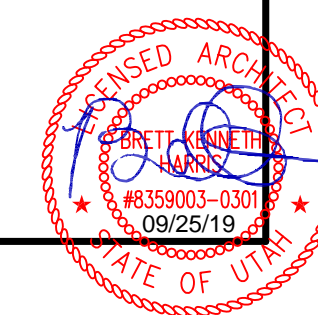
HARRIS ARCHITECTURE
5320 N UNIVERSITY AVENUE #200, PROVO, UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM



30th STREET APARTMENTS
TITLE SHEET

09/26/2019

A0.0



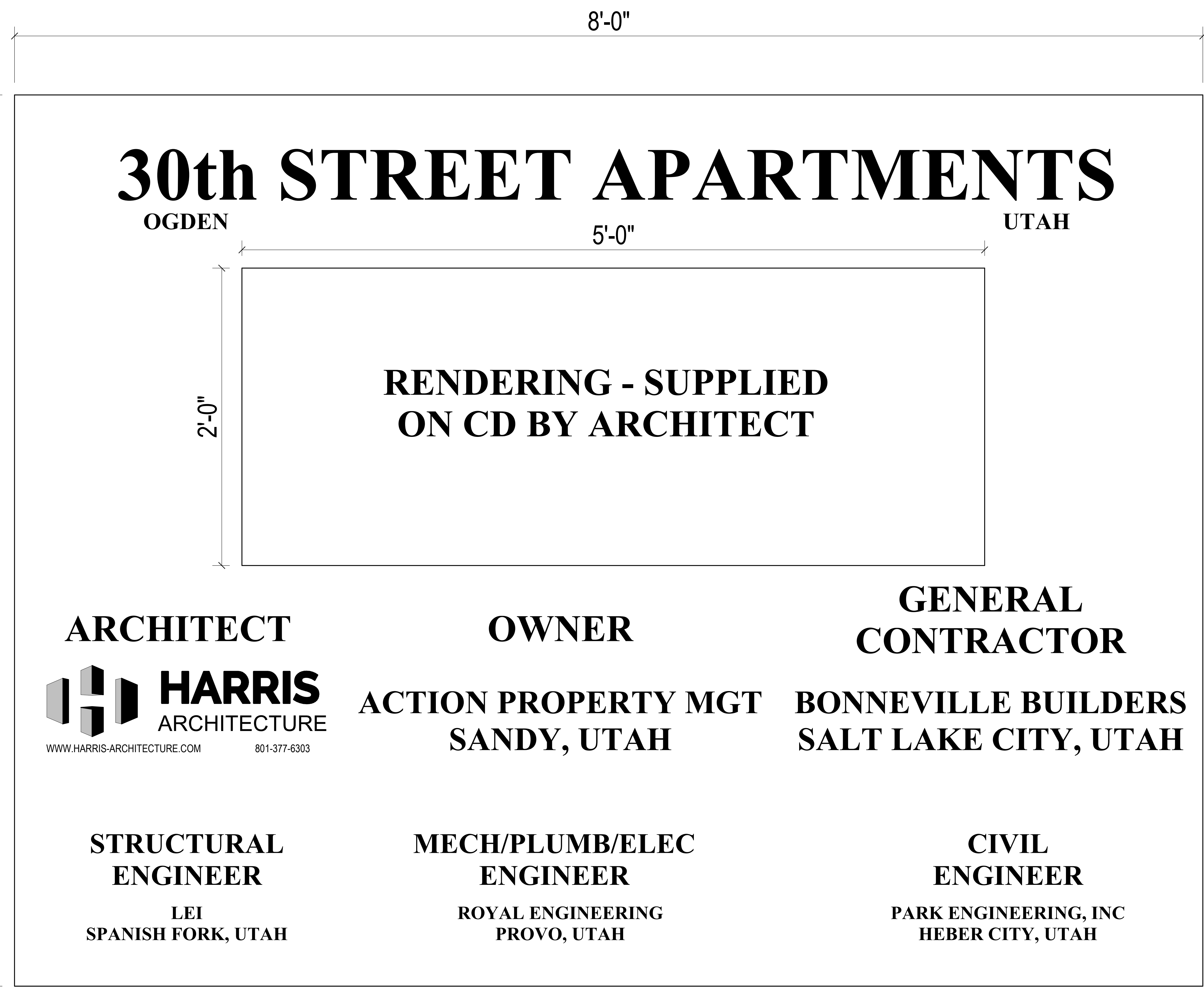
9/25/2019 4:11:40 PM

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt

9/25/2019 4:11:41 PM
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
C:\ACAD\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt

6'-0"



30th STREET APARTMENTS

OGDEN

UTAH

5'-0"

2'-0"

**RENDERING - SUPPLIED
ON CD BY ARCHITECT**

ARCHITECT



HARRIS
ARCHITECTURE
WWW.HARRIS-ARCHITECTURE.COM 801-377-6303

OWNER

**ACTION PROPERTY MGT
SANDY, UTAH**

**GENERAL
CONTRACTOR**

**BONNEVILLE BUILDERS
SALT LAKE CITY, UTAH**

**STRUCTURAL
ENGINEER**

**LEI
SPANISH FORK, UTAH**

**MECH/PLUMB/ELEC
ENGINEER**

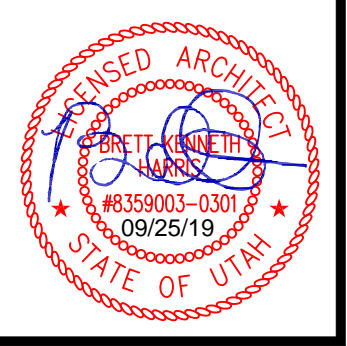
**ROYAL ENGINEERING
PROVO, UTAH**

**CIVIL
ENGINEER**

**PARK ENGINEERING, INC
HEBER CITY, UTAH**

NOTE: VERIFY ALL INFO WITH OWNER PRIOR TO FABRICATION OF SIGN

NOTE: VERIFY LOCATION AND DESIGN WITH CITY OF OREM SIGN ORDINANCES



REVISIONS

DRAWN BY
Author

HARRIS ARCHITECTURE
3520 UNIVERSITY AVENUE #200, PROVO, UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

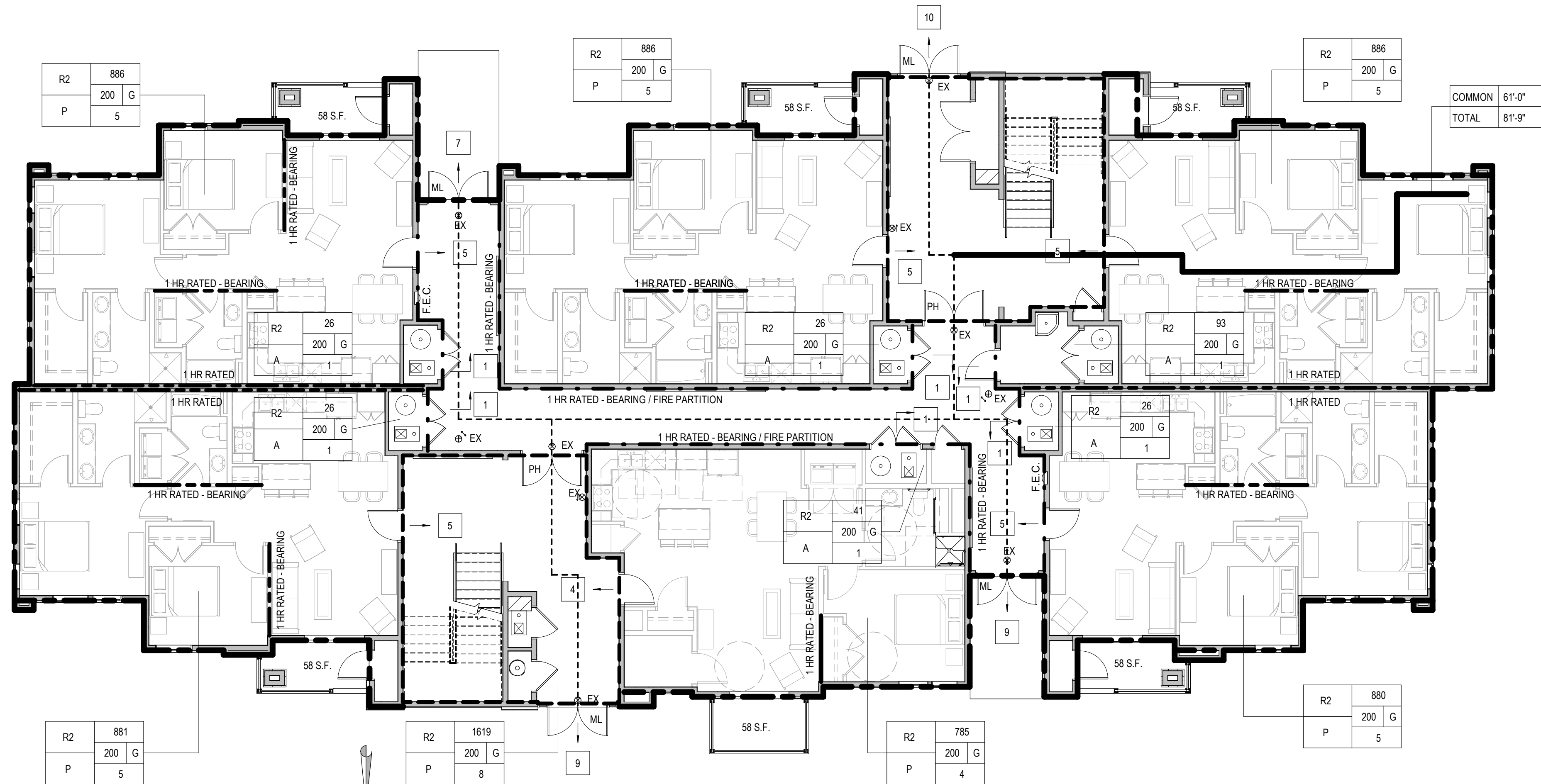
30th STREET APARTMENTS
PROJECT IDENTIFICATION SIGN

09/26/2019

A0.2

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt

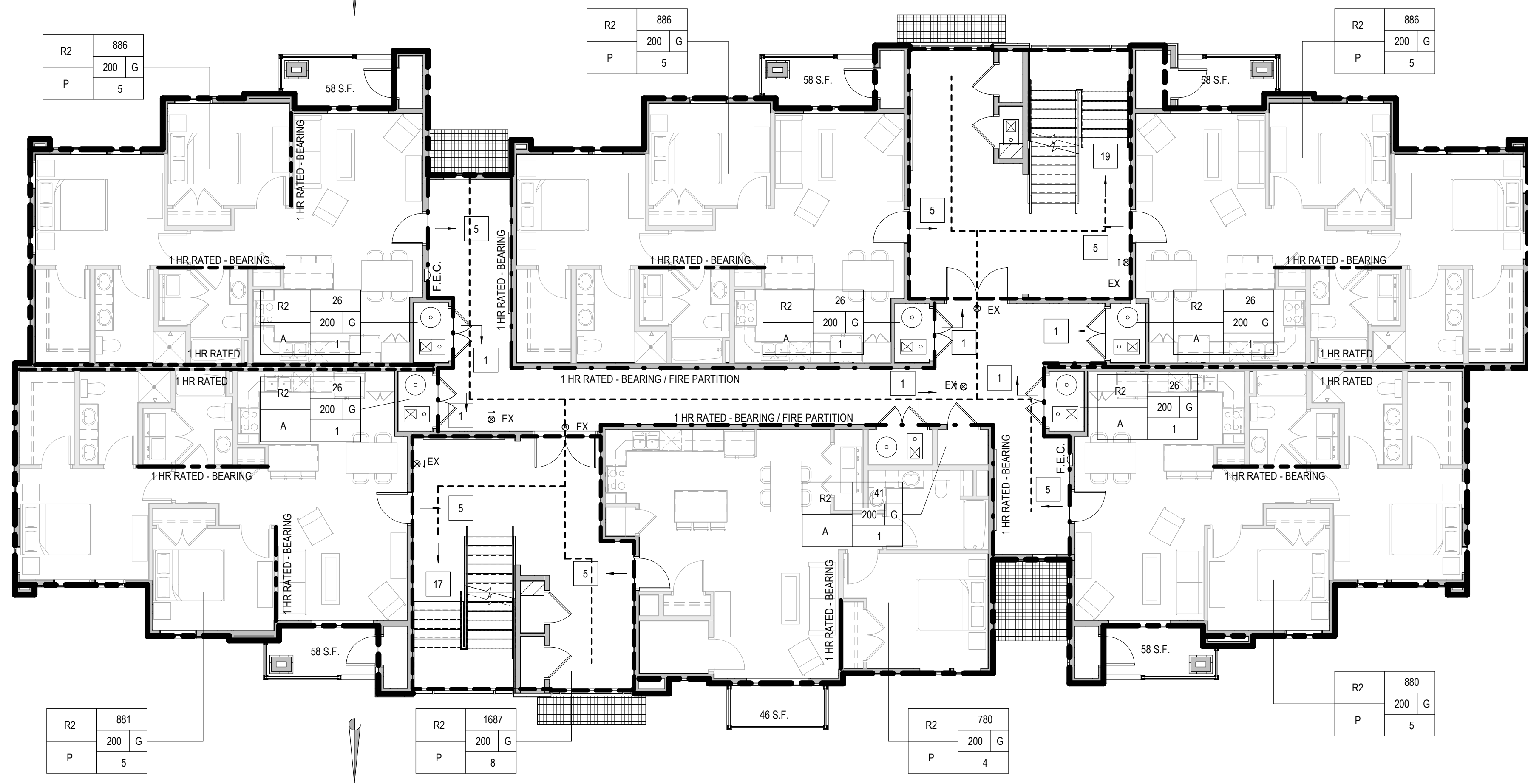


LEVEL 1 FIREWALL / EXIT PLAN

SCALE: 1/8" = 1'-0"

ENTIRE OCCUPANCY USE GROUP AT THIS LEVEL IS R-2 UNLESS NOTED OTHERWISE

ALL EXTERIOR WALLS TO BE 1 HOUR RATED UNLESS NOTED OTHERWISE



LEVEL 2 FIREWALL / EXIT PLAN

SCALE: 1/8" = 1'-0"

ENTIRE OCCUPANCY USE GROUP AT THIS LEVEL IS R-2 UNLESS NOTED OTHERWISE

ALL EXTERIOR WALLS TO BE 1 HOUR RATED UNLESS NOTED OTHERWISE

OCCUPANCY SEPARATION LEGEND		
SYMBOL	WALL SEPARATION	IBC SECTION 708
	R-2/R-2 12 HOUR SEPARATION FIRE PARTITION WALL REQUIRED 1 HOUR FIRE PARTITION PROVIDED	
SYMBOL	HORIZONTAL SEPARATION	IBC SECTION 711.2.4.3
	R-2/R-2 1 HOUR FLOOR/CLG. REQUIRED 1 HOUR PROVIDED	

FIRE WALL LEGEND		
SYMBOL	EXTERIOR WALLS - LEVELS 1-3	IBC TABLE 601
	NON RATED 1 HOUR PROVIDED	
	3 STORY STAIR 1 HOUR FIRE BARRIER REQUIRED 1 HOUR FIRE BARRIER PROVIDED	IBC SECTION 713
	CORRIDORS 30 MINUTE FIRE PARTITION REQUIRED 1 HOUR FIRE PARTITION PROVIDED	IBC SECTION 1020.1
	BEARING WALLS 1 HOUR REQUIRED TYPE VB CONSTRUCTION	

SHEET SPECIFIC NOTES

NOTE: PROVIDE 10# ABC FIRE EXTINGUISHERS (PER NFPA 10) EVERY 3,000 SQ. FT. MIN WITH A MAX. TRAVEL DISTANCE OF 75' TO AN EXTINGUISHER - TYPICAL - VERIFY EXACT LOCATIONS WITH THE CITY OF DRAPER CITY FIRE MARSHAL. (ALL CABINETS WITHIN RATED WALLS TO BE FIRE RATED AS PER THE SPECIFICATIONS).

NOTE: FOR FIRE-RATED CEILINGS AT ELEVATOR SHAFT AND STAIRS SEE CORRESPONDING CROSS SECTIONS. THIS HATCHING DENOTES A 1-HOUR SHAFT FOR A 1-LEVEL DUCT RUN.

NFPA GUIDELINES STATE THAT THE DISTANCE FROM FLOOR TO TOP OF EXTINGUISHER TO BE NO MORE THAN 5 FEET.

COMMON	X'-X"	COMMON PATH OF TRAVEL DISTANCE
TOTAL	X'-X"	TOTAL TRAVEL DISTANCE

OCCUPANCY CLASSIFICATION OF INDICATED AREA

S/F OF INDICATED AREA

No NET S/F PER OCCUPANT G+ GROSS S/F PER OCCUPANT FLOOR AREA ALLOWANCE PER OCCUPANT OF INDICATED AREA

Calculated Occupant Load of Indicated Area

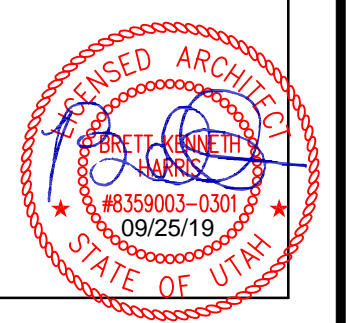
FIRE EXTINGUISHER CABINETS

HANDLE TO BE CENTERED OR BOTTOM

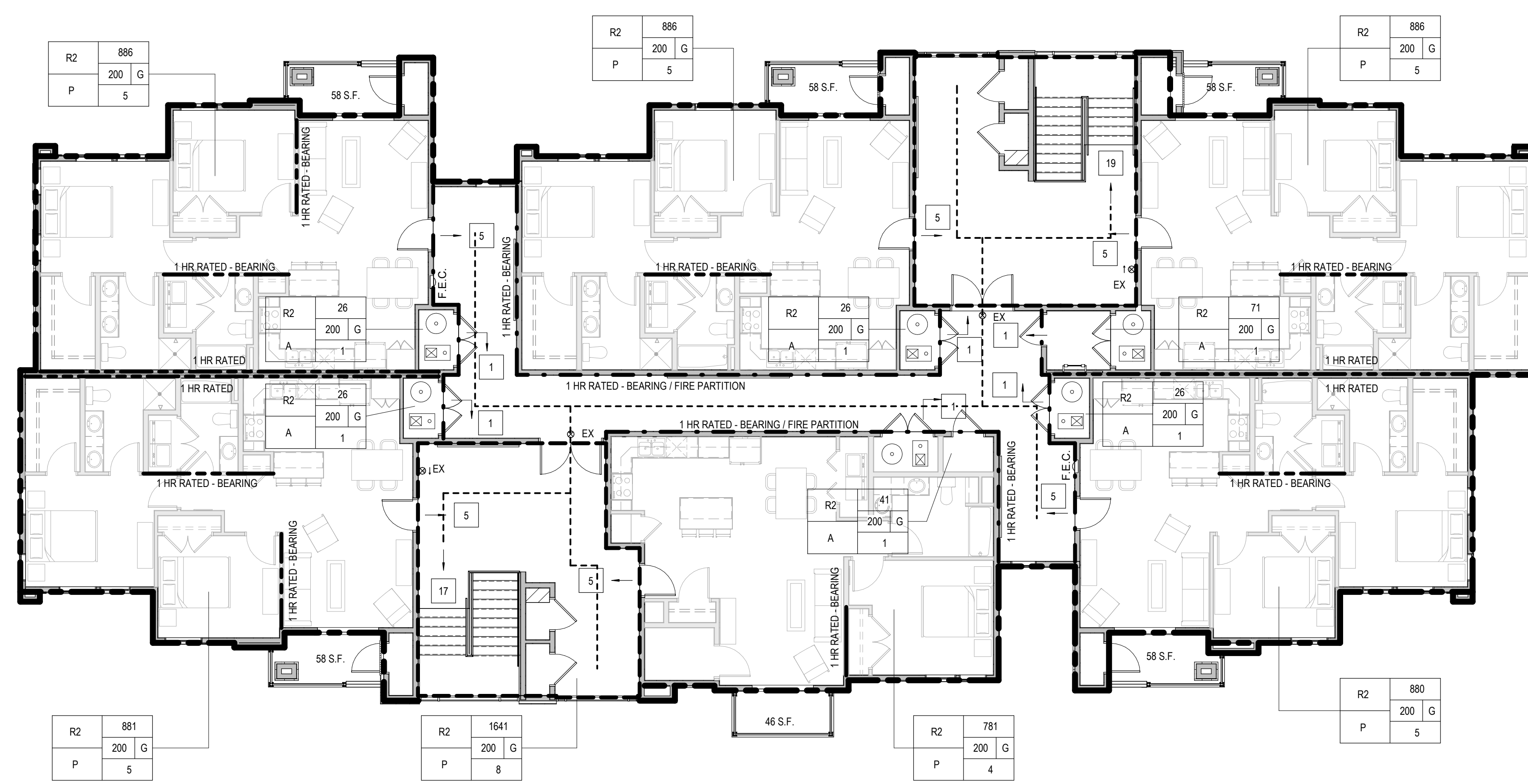
EGRESS LEGEND	
SYMBOL	DESCRIPTION
	COMMON PATH OF EGRESS TRAVEL
	ROUTE OF TOTAL EXIT ACCESS TRAVEL DISTANCE
PH	DOOR PROVIDED WITH PANIC HARDWARE
ML	DOOR PROVIDED WITH MAGNETIC LOCK AND EXIT SENSOR BAR
	SEMI-RECESSED FIRE EXTINGUISHER CABINET VERIFY EXACT LOCATION WITH LOCAL FIRE MARSHAL
	REQUIRED OCCUPANT CAPACITY OF DOOR- STAIR
	ACTUAL OCCUPANT LOAD OF BUILDING
EX	EXIT SIGN- CEILING OR WALL MOUNTED

OCCUPANCY CALCS.		
LEVEL 1		
(R-2) RESIDENCE	5,792 (GROSS) S.F. / 200 =	29 OCCUPANTS
COMMONS	1,619 (GROSS) S.F. / 200 =	9 OCCUPANTS
STORAGE	144 (GROSS) S.F. / 200 =	1 OCCUPANT
TOTAL LEVEL 1		39 OCCUPANTS
LEVEL 2		
(R-2) RESIDENCE	5,792 (GROSS) S.F. / 200 =	29 OCCUPANTS
COMMONS	1,687 (GROSS) S.F. / 200 =	9 OCCUPANTS
STORAGE	77 (GROSS) S.F. / 200 =	1 OCCUPANT
TOTAL LEVEL 2		39 OCCUPANTS
LEVEL 3		
(R-2) RESIDENCE	5,792 (GROSS) S.F. / 200 =	29 OCCUPANTS
COMMONS	1,641 (GROSS) S.F. / 200 =	9 OCCUPANTS
STORAGE	122 (GROSS) S.F. / 200 =	1 OCCUPANT
TOTAL LEVEL 3		39 OCCUPANTS
TOTAL LEVEL BUILDING		117 OCCUPANTS

DRAWN BY
Author



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\file\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt
 9/25/2019 4:17:55 PM



LEVEL 3 FIREWALL / EXIT PLAN
 SCALE: 1/8" = 1'-0"

ENTIRE OCCUPANCY USE GROUP AT THIS LEVEL IS R-2 UNLESS NOTED OTHERWISE
 ALL EXTERIOR WALLS TO BE 1 HOUR RATED UNLESS NOTED OTHERWISE

OCCUPANCY SEPARATION LEGEND		
SYMBOL	WALL SEPARATION	IBC SECTION 708
	R-2/R-2 12 HOUR SEPARATION FIRE PARTITION WALL REQUIRED 1 HOUR FIRE PARTITION PROVIDED	
SYMBOL	HORIZONTAL SEPARATION	IBC SECTION 711.2.4.3
	R-2/R-2 1 HOUR FLOOR/CLG. REQUIRED 1 HOUR PROVIDED	

FIRE WALL LEGEND		
SYMBOL	EXTERIOR WALLS - LEVELS 1 - 3	IBC TABLE 601
	NON RATED 1 HOUR PROVIDED	
	3 STORY STAIR 1 HOUR FIRE BARRIER REQUIRED 1 HOUR FIRE BARRIER PROVIDED	IBC SECTION 713
	CORRIDORS 30 MINUTE FIRE PARTITION REQUIRED 1 HOUR FIRE PARTITION PROVIDED	IBC SECTION 1020.1
	BEARING WALLS 1 HOUR REQUIRED TYPE VB CONSTRUCTION	

SHEET SPECIFIC NOTES

NOTE: PROVIDE 10# ABC FIRE EXTINGUISHERS (PER NFPA 10) EVERY 3,000 SQ. FT. MIN WITH A MAX. TRAVEL DISTANCE OF 75' TO AN EXTINGUISHER - TYPICAL - VERIFY EXACT LOCATIONS WITH THE CITY OF DRAPER CITY FIRE MARSHAL. (ALL CABINETS WITHIN RATED WALLS TO BE FIRE RATED AS PER THE SPECIFICATIONS).

NOTE: FOR FIRE-RATED CEILINGS AT ELEVATOR SHAFT AND STAIRS SEE CORRESPONDING CROSS SECTIONS. THIS HATCHING DENOTES A 1-HOUR SHAFT FOR A 1-LEVEL DUCT RUN.

NFPA GUIDELINES STATE THAT THE DISTANCE FROM FLOOR TO TOP OF EXTINGUISHER TO BE NO MORE THAN 5 FEET.

COMMON PATH OF TRAVEL DISTANCE: X'-X"

TOTAL TRAVEL DISTANCE: X'-X"

OCCUPANCY CLASSIFICATION OF INDICATED AREA

S.F. OF INDICATED AREA

NET S.F. PER OCCUPANT G: GROSS S.F. PER OCCUPANT

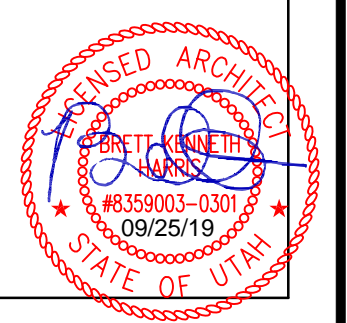
FLOOR AREA ALLOWANCE PER OCCUPANT OF INDICATED AREA

CALCULATED OCCUPANT LOAD OF INDICATED AREA

P= PRIMARY OCCUPANCY
 S= SECONDARY OCCUPANCY
 A= ACCESSORY OCCUPANCY
 I= INCIDENTAL OCCUPANCY

EGRESS LEGEND	
SYMBOL	DESCRIPTION
	COMMON PATH OF EGRESS TRAVEL
	ROUTE OF TOTAL EXIT ACCESS TRAVEL DISTANCE
PH	DOOR PROVIDED WITH PANIC HARDWARE
ML	DOOR PROVIDED WITH MAGNETIC LOCK AND EXIT SENSOR BAR
	SEMI-RECESSED FIRE EXTINGUISHER CABINET VERIFY EXACT LOCATION WITH LOCAL FIRE MARSHAL
	REQUIRED OCCUPANT CAPACITY OF DOOR- STAIR
	ACTUAL OCCUPANT LOAD OF BUILDING
EX	EXIT SIGN- CEILING OR WALL MOUNTED

OCCUPANCY CALCS.	
LEVEL 1	
(R-2) RESIDENCE	5,792 (GROSS) S.F. / 200 = 29 OCCUPANTS
COMMONS	1,619 (GROSS) S.F. / 200 = 9 OCCUPANTS
STORAGE	144 (GROSS) S.F. / 200 = 1 OCCUPANT
TOTAL LEVEL 1	39 OCCUPANTS
LEVEL 2	
(R-2) RESIDENCE	5,792 (GROSS) S.F. / 200 = 29 OCCUPANTS
COMMONS	1,687 (GROSS) S.F. / 200 = 9 OCCUPANTS
STORAGE	77 (GROSS) S.F. / 200 = 1 OCCUPANT
TOTAL LEVEL 2	39 OCCUPANTS
LEVEL 3	
(R-2) RESIDENCE	5,792 (GROSS) S.F. / 200 = 29 OCCUPANTS
COMMONS	1,641 (GROSS) S.F. / 200 = 9 OCCUPANTS
STORAGE	122 (GROSS) S.F. / 200 = 1 OCCUPANT
TOTAL LEVEL 3	39 OCCUPANTS
TOTAL LEVEL BUILDING	117 OCCUPANTS



REVISIONS

DRAWN BY
Author

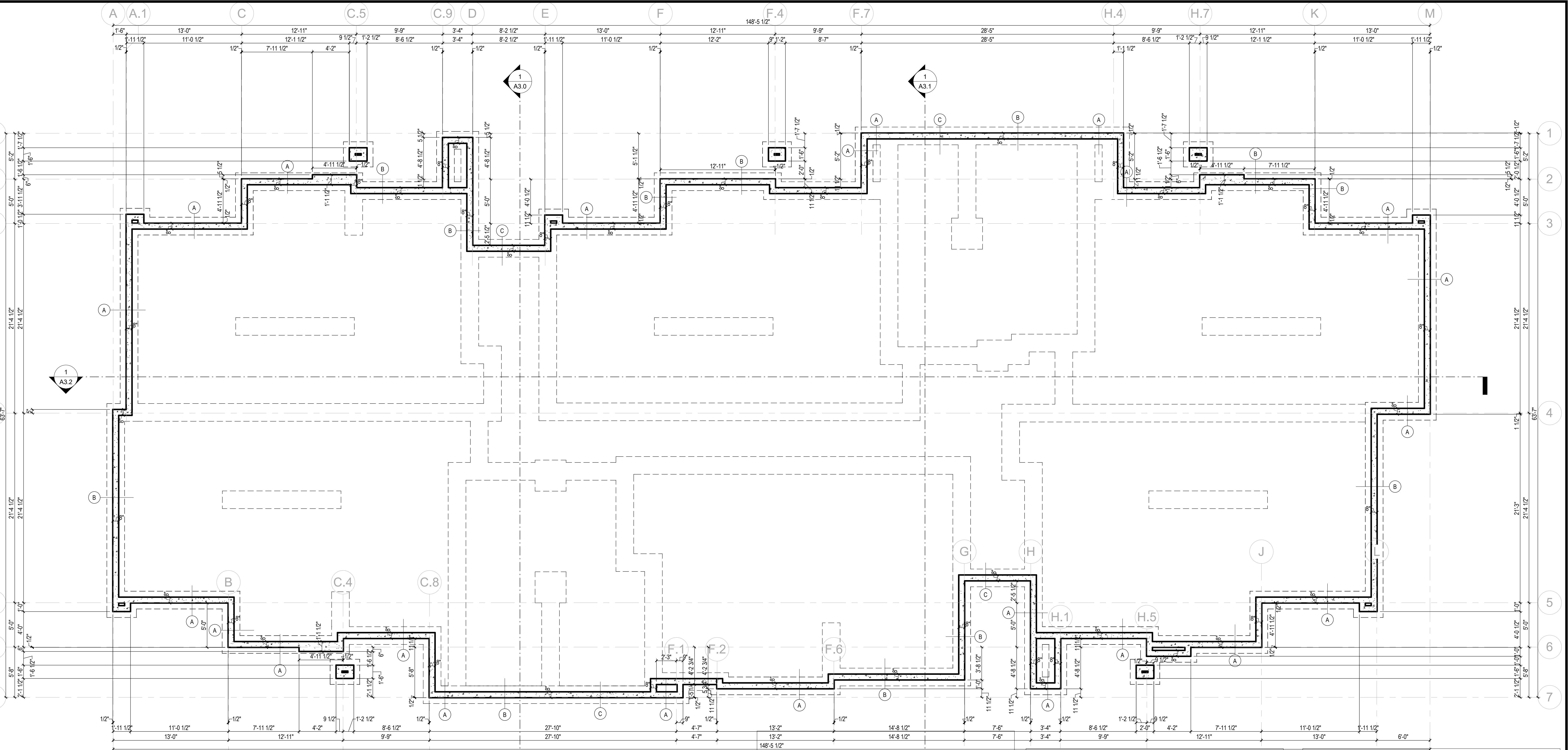
HARRIS ARCHITECTURE
 3620 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6363 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
 LEVEL 3 FIREWALL / EXIT PLAN

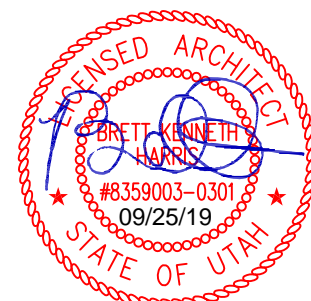
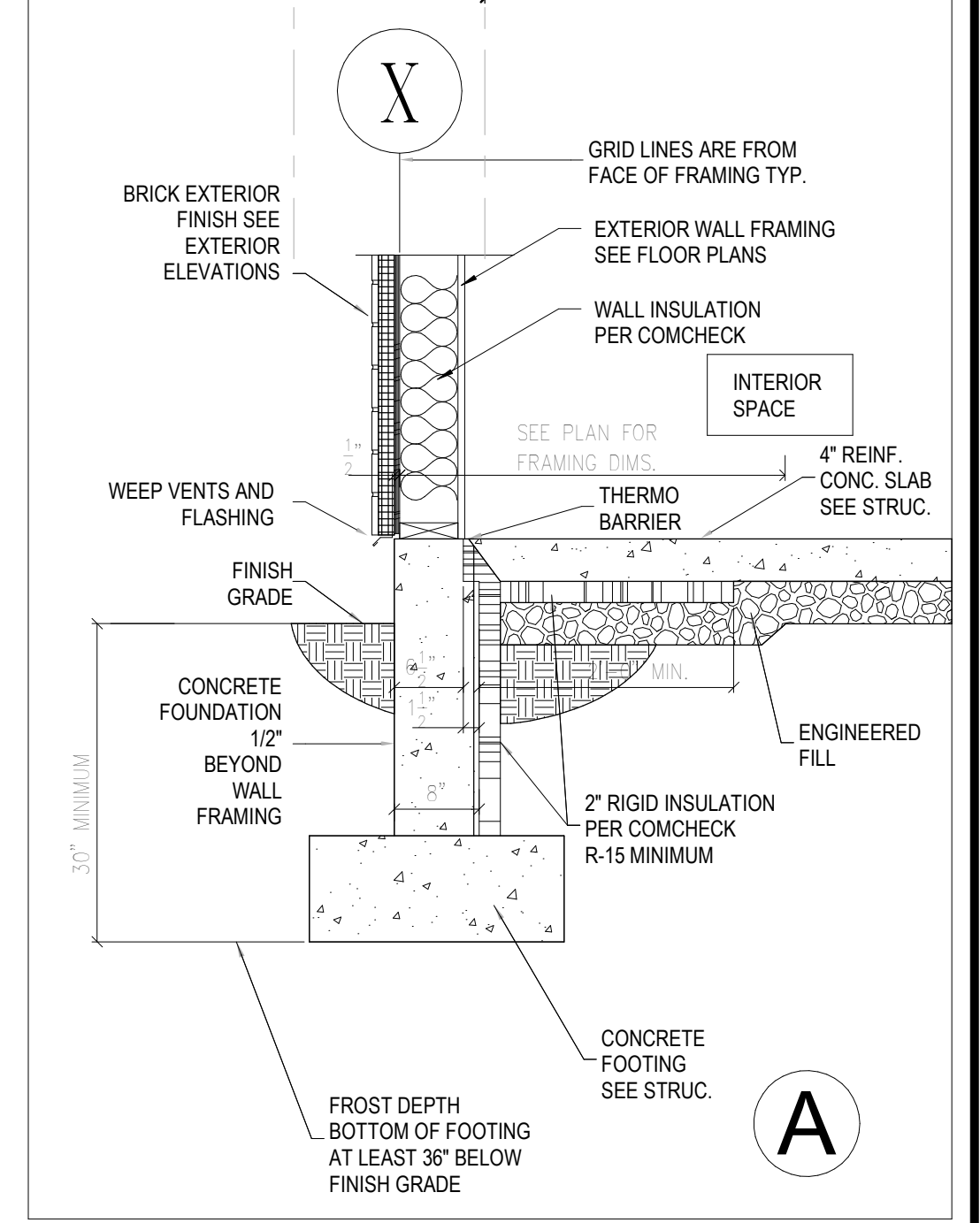
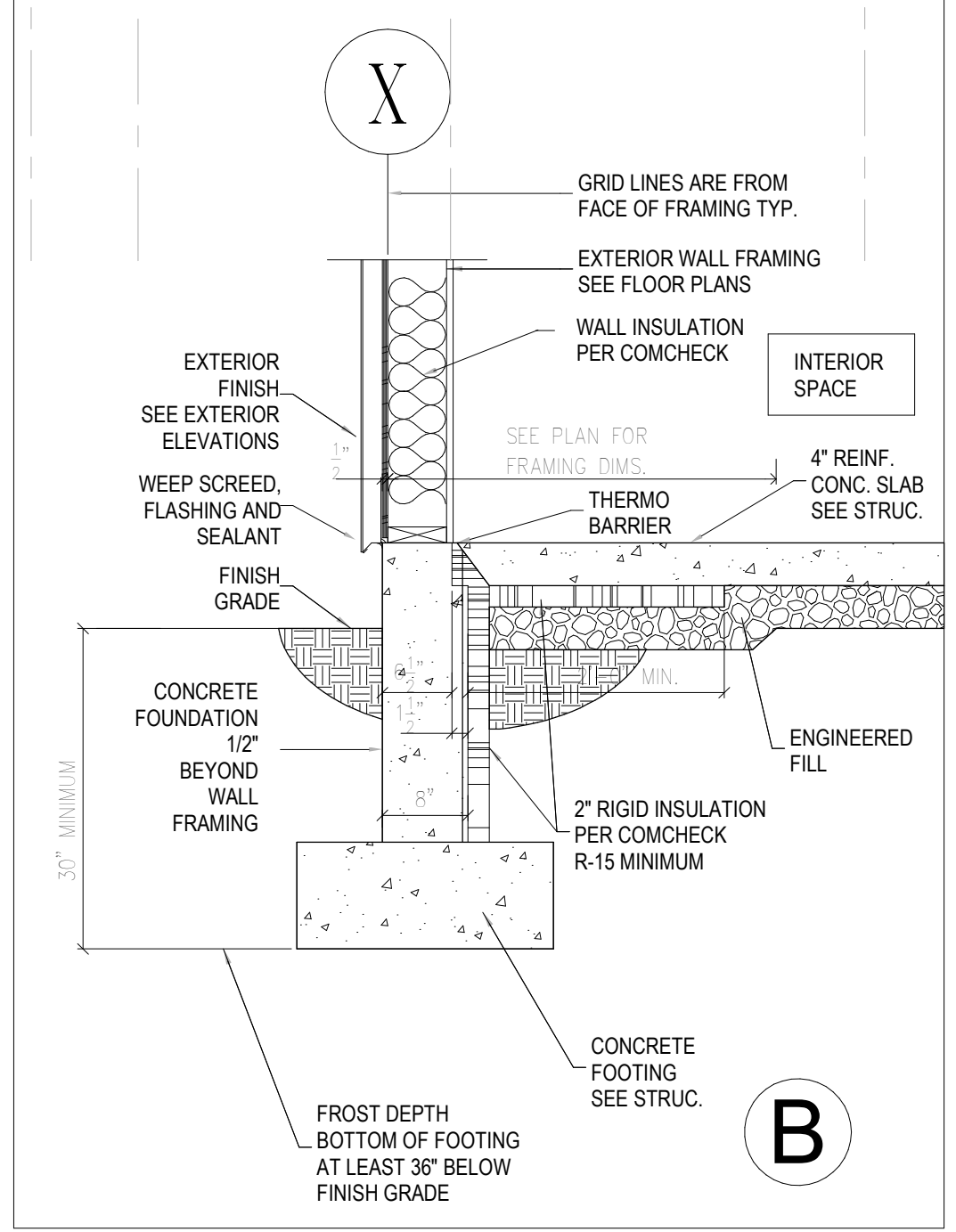
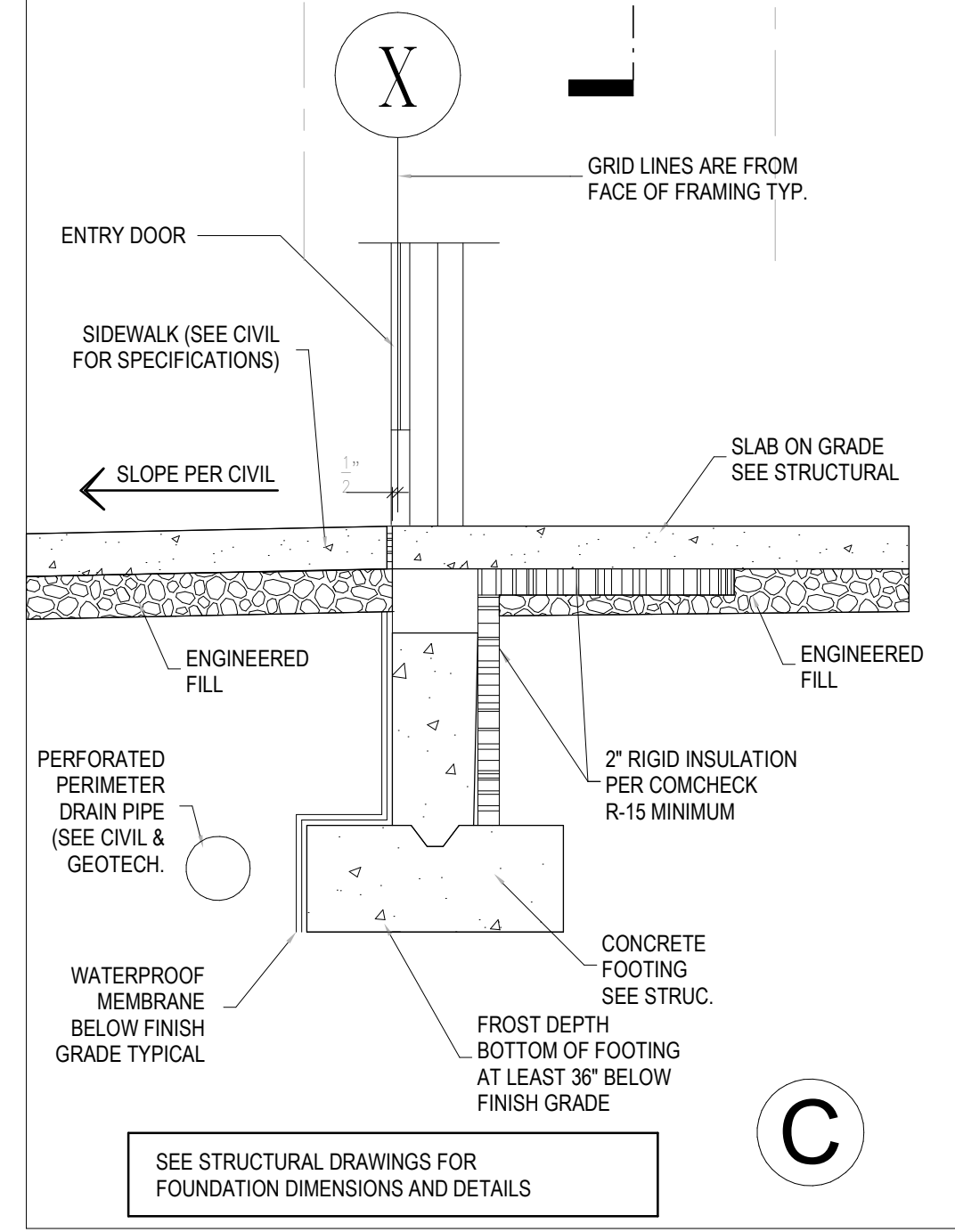
09/26/2019

A0.4

9/25/2019 4:11:58 PM
C:\ACAD\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.



FLOOR SLAB PLAN
SCALE: 3/16" = 1'-0"



REVISIONS

DRAWN BY
Author

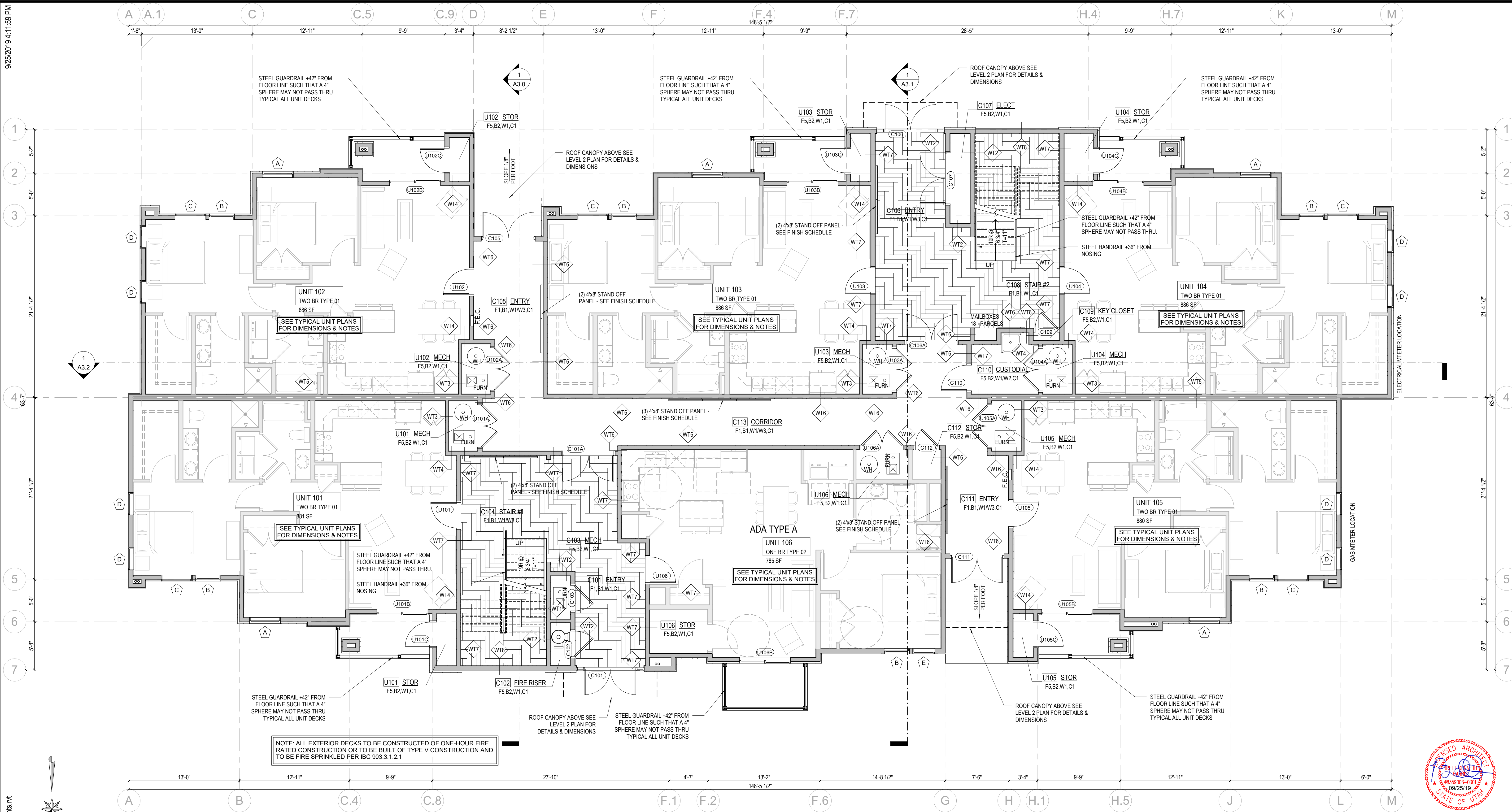
HARRIS ARCHITECTURE
3620 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
FLOOR SLAB PLAN

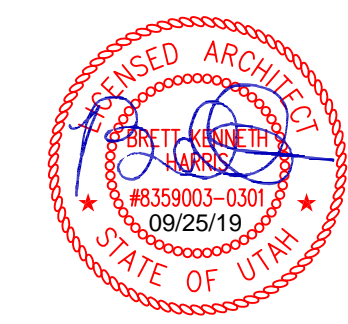
09/26/2019

A1.0

9/25/2019 4:11:59 PM
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
C:\ACAD\30th Street Apartments - cadd\Working\09den - 30th Street Apartments.rvt



NOTE: ALL EXTERIOR DECKS TO BE CONSTRUCTED OF ONE-HOUR FIRE RATED CONSTRUCTION OR TO BE BUILT OF TYPE V CONSTRUCTION AND TO BE FIRE SPRINKLED PER IBC 903.3.1.2.1



LEVEL 1 FLOOR PLAN

SCALE: 3/16" = 1'-0"

FINISH SCHEDULE	
FLOOR	WALL
F1 LUXURY VINYL TILE (LVT 1) - 648GD1P, CY34 BARNWOOD, CYROSE, 12 MIL, 6x48, PROSERIES, DAL TILE	W1 GYPSUM BOARD - (SEE PLANS FOR ANY FIRE RATING), PAINT
F2 LUXURY VINYL TILE (LVT 2) - PKG A - BROWN / GREY, 648GD1P, CYROSE, 12 MIL, 6x48, CY31 COSTAL GREY, PROSERIES, DAL TILE	W2 WALL TILE - BACKSPLASH / BATHROOMS, MODERN DIMENSIONS, 0790 MATTE, ARTIC WHITE, 4 1/4" x 12 3/4" DAL TILE
F3 LUXURY VINYL TILE (LVT 3) - PKG B - LIGHT GREY, 648GD1P, CYROSE, 12 MIL, 6x48, CY30 WHITE ASH, PROSERIES, DAL TILE	W3 ACCENT PANEL - LUSCIO, BRUSHED ALUMINUM, 4'-0"x8'-0", SOELBERG
F4 CARPET TILE - GENIUS 54884, 44710 SMARTS, 24x24 MAIN ST. SHAW	
F5 SEALED CONCRETE	
BASE	CEILING
B1 1x4 MDF BASE - PAINTED	C1 SEE REFLECTED CEILING PLANS FOR CEILING FINISH
B2 4" RUBBER BASE - ROPPE, BLACK	
	MISC.
	PAINT - SW 7757 HIGH REFLECTIVE WHITE, SHERWIN WILLIAMS
	PAINT - COMMONS AND UNIT ENTRY DOORS - SW 7069 IRON ORE, SHERWIN WILLIAMS
	QUARTZ 1 - PKG A - N076 POLISHED SIMPLY WHITE, DAL TILE
	QUARTZ 2 - PKG B - OQ01 AVENUE WHITE, ONE, DAL TILE
	LAMINATE 1 - PKG A - BROWN, 8909 NG CASCARA TEAKWOOD, FORMICA
	LAMINATE 2 - PKG B - DARK GREY, 799BK-18, LOW LINE, WILSONART
	HARDWARE - POLISHED STAINLESS

GENERAL NOTES:	
1. AT ALL FLOOR TRANSITIONS PROVIDE A METAL TRANSITION STRIP.	7. PROVIDE HEAT TAPE AT ALL DRAINS AND PILES IN NON-TEMPERED SPACES PER MECHANICAL / PLUMBING.
2. SEE SHEETS A4.0 & A4.1 FOR DOOR SCHEDULE AND DOOR / WINDOW TYPES.	8. SEE TYPICAL UNIT PLANS FOR LOCATION OF 2X6 WALLS FOR FLUE CHASES WITHIN APARTMENTS.
3. SEE SHEET A3.3 FOR WALL TYPES.	9. ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER AND GENERAL CONTRACTOR PRIOR TO CONSTRUCTION AND INSTALLATION.
4. ALL EXTERIOR WOOD-FRAMED WALLS ARE SIMILAR TO (U.N.O.)	10. GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS AS NECESSARY TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC.
5. ALL APARTMENT UNITS TO BE "TYPE B" UNITS AS SET FORTH IN THE ICC / ANS I17.1-2009 & THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD) FAIR HOUSING ACCESSIBILITY GUIDELINES - UNLESS NOTED OTHERWISE (ONE OF THE UNITS TO BE "TYPE A" AS SET FORTH IN THE ICC / ANS I17.1 - 2009) - SEE TYPICAL UNIT PLANS FOR APPLICABLE DESIGNATION.	11. SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS, SHEAR WALL LOCATIONS, & HOLDOWN AND STRAP LOCATIONS.
6. SEE SITE PLAN (BY CIVIL ENGINEER) FOR LOCATION / EXTENSION OF WALKS & ACCESSIBLE ROUTE PLAN.	12. PROVIDE TACTILE EXIT SIGNAGE AT ALL EXITS, EXIT STAIRS, & DOORS TO EXIT DISCHARGE AS REQUIRED BY IBC 1013.
	13. PROVIDE STAIR SIGNAGE AS REQUIRED BY IBC 123.9.
	14. PROVIDE ELEVATOR SIGNAGE AS REQUIRED BY IBC 3002.3

SQUARE FOOTAGE		UNIT COUNT	
LEVEL 1:	7,584 SQFT	LEVEL 1:	6 UNITS
LEVEL 2:	7,337 SQFT	LEVEL 2:	6 UNITS
LEVEL 3:	7,372 SQFT	LEVEL 3:	6 UNITS
TOTAL:	22,293 SQFT	TOTAL:	18 UNITS

LEVEL 1			
VER #	T.	QTY	UNIT NUMBER
1	B	5	101, 102, 103, 104, 105
2	A	1	106
3	B	N/A	

NOTE: SEE SHEETS A1.4 - A1.5 FOR ALL OTHER UNIT DIMENSIONS AT THIS LEVEL.

NOTE: SEE STRUCTURAL DWGS. FOR CALL-OUTS AND MINIMUM SIZES ON FOUNDATION WALLS - SEE THIS SHEET FOR ACTUAL DIMENSIONS ON THE THICKNESS OF THE WALL. (MAY BE THICKER THAN STRUCT. MINIMUMS).

NOTE: SEE STRUCTURAL DWGS. FOR LOCATIONS OF CONTROL / CONSTRUCTION JOINTS.

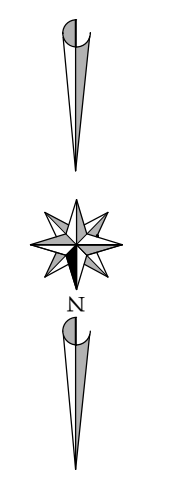
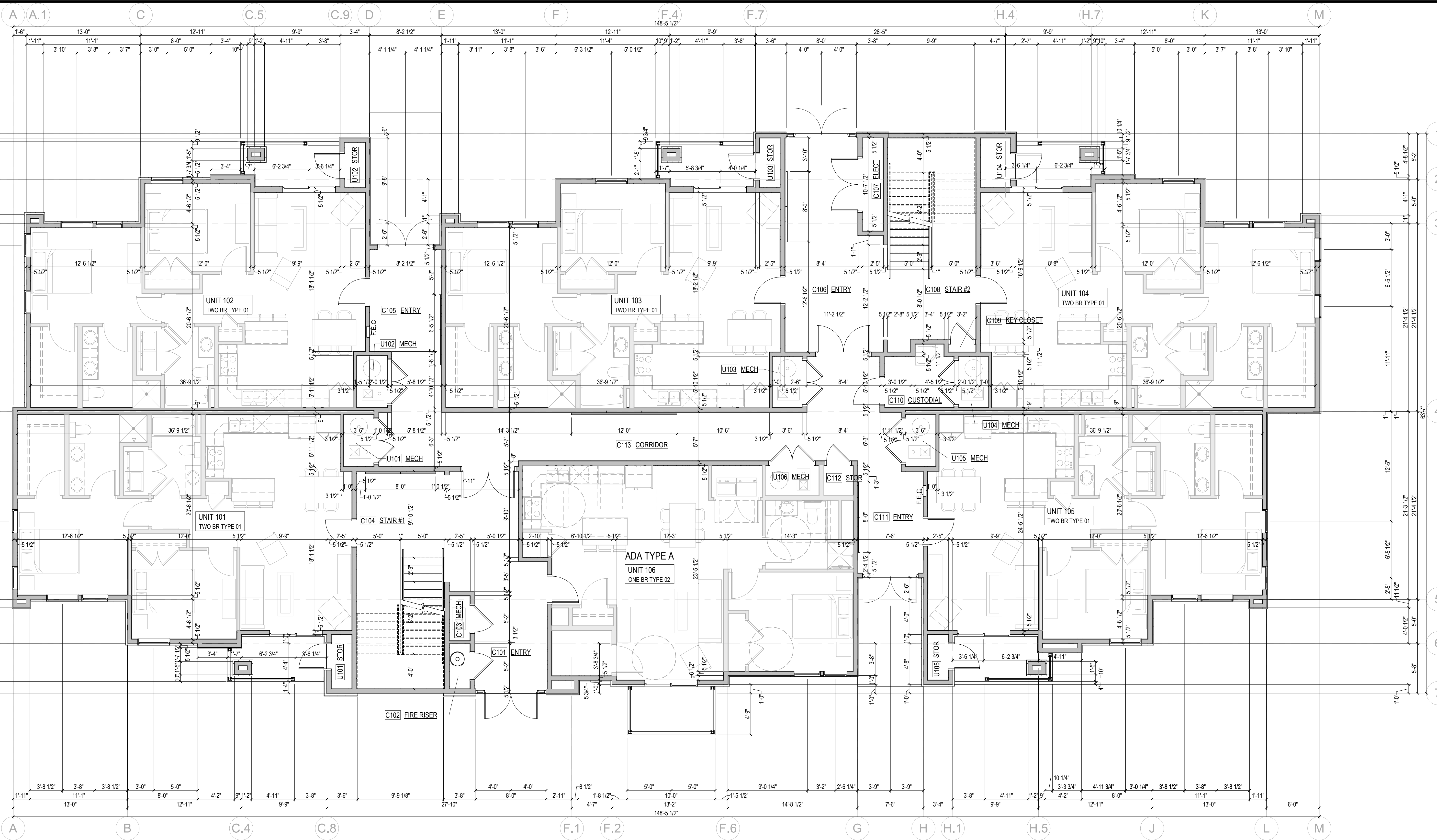
NOTE: DIMENSIONS OF STEEL COLUMNS ARE ONLY SHOWN ON THIS SHEET / THIS LEVEL AND NOT REFLECTED ON UPPER LEVELS. TYPICAL (VERIFY ALL STEEL COLUMNS WITH STRUCTURAL DRAWINGS)

NOTE: SEE SHEET A1.1a - A1.3a FOR ALL OTHER BUILDING DIMENSIONS AT THIS LEVEL.

R = RATED GLASS
S = SPANDREL GLASS
* = TEMPERED GLASS

NOTE: SEE PROJECT MANUAL AS WELL AS GLAZING NOTE ON SHEET A4.01 FOR THERMAL PERFORMANCE OF EXTERIOR DOORS AND WINDOWS

9/25/2019 4:12:04 PM
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
C:\ACAD\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt



LEVEL 1 DIMENSIONAL PLAN
SCALE: 3/16" = 1'-0"

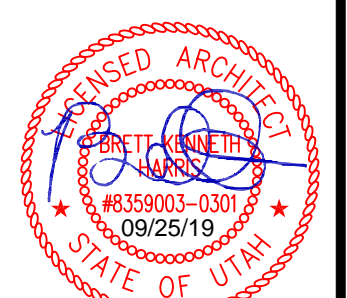
REVISIONS
DRAWN BY
Author

HARRIS ARCHITECTURE
3620 UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
LEVEL 1 DIMENSIONAL PLAN

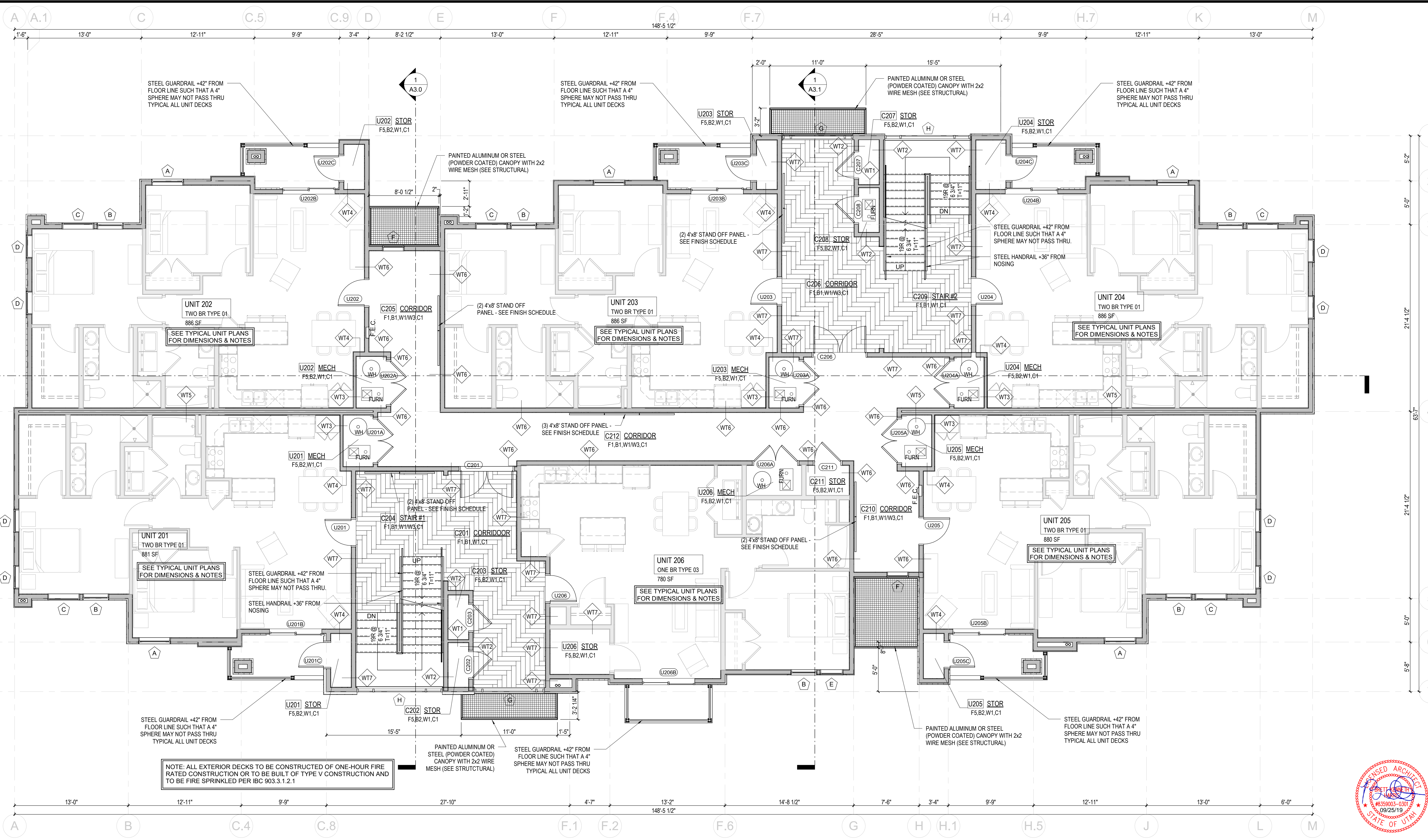
09/26/2019

A1.1a

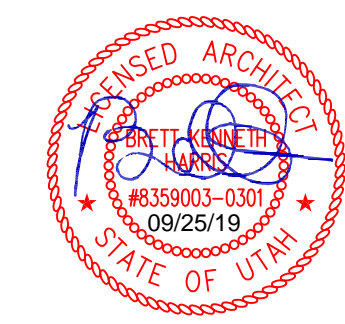


9/25/2019 4:12:10 PM

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.



NOTE: ALL EXTERIOR DECKS TO BE CONSTRUCTED OF ONE-HOUR FIRE RATED CONSTRUCTION OR TO BE BUILT OF TYPE V CONSTRUCTION AND TO BE FIRE SPRINKLED PER IBC 903.3.1.2.1



LEVEL 2 FLOOR PLAN
SCALE: 3/16" = 1'-0"

FINISH SCHEDULE	
FLOOR	WALL
F1 LUXURY VINYL TILE (LVT 1) - 648GDIP, CY34 BARNWOOD, CYROSE, 12 MIL, 6x48, PROSERIES, DAL TILE	W1 GYPSUM BOARD - (SEE PLANS FOR ANY FIRE RATING), PAINT
F2 LUXURY VINYL TILE (LVT 2) - PKG A - BROWN / GREY, 648GDIP, CYROSE, 12 MIL, 6x48, CY31 COSTAL GREY, PROSERIES, DAL TILE	W2 WALL TILE - BACKSPLASH / BATHROOMS, MODERN DIMENSIONS, 0790 MATTE, ARTIC WHITE, 4 1/4" x 12 3/4" DAL TILE
F3 LUXURY VINYL TILE (LVT 3) - PKG B - LIGHT GREY, 648GDIP CYROSE, 12 MIL, 6x48, CY30 WHITE ASH, PROSERIES, DAL TILE	W3 ACCENT PANEL - LUSCIO, BRUSHED ALUMINUM, 4'-0"x8'-0", SOELBERG
F4 CARPET TILE - GENIUS 54884, 44710 SMARTS, 24x24 MAIN ST. SHAW	
F5 SEALED CONCRETE	

BASE	
B1	B2
1x4 MDF BASE - PAINTED	SMOOTH WOOD CUTS
4" RUBBER BASE - ROPPE, BLACK	MDF BASE

NOTE: CUTS TO BE AT 45 DEGREES

CEILING	MISC.
C1 SEE REFLECTED CEILING PLANS FOR CEILING FINISH	PAINT - SW 7757 HIGH REFLECTIVE WHITE, SHERWIN WILLIAMS
	PAINT - COMMINS AND UNIT ENTRY DOORS - SW 7059 IRON ORE, SHERWIN WILLIAMS
	QUARTZ 1 - PKG A - N076 POLISHED SIMPLY WHITE, DAL TILE
	QUARTZ 2 - PKG B - OQ01 AVENUE WHITE, ONE, DAL TILE

LAMINATE 1	LAMINATE 2
1 - PKG A - BROWN, 8909 NG CASCARA TEAKWOOD, FORMICA	2 - PKG B - DARK GREY, 799BK-18, LOW LINE, WILSONART
	HARDWARE - POLISHED STAINLESS

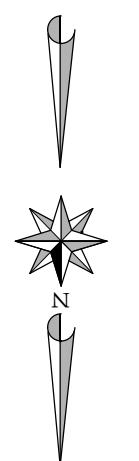
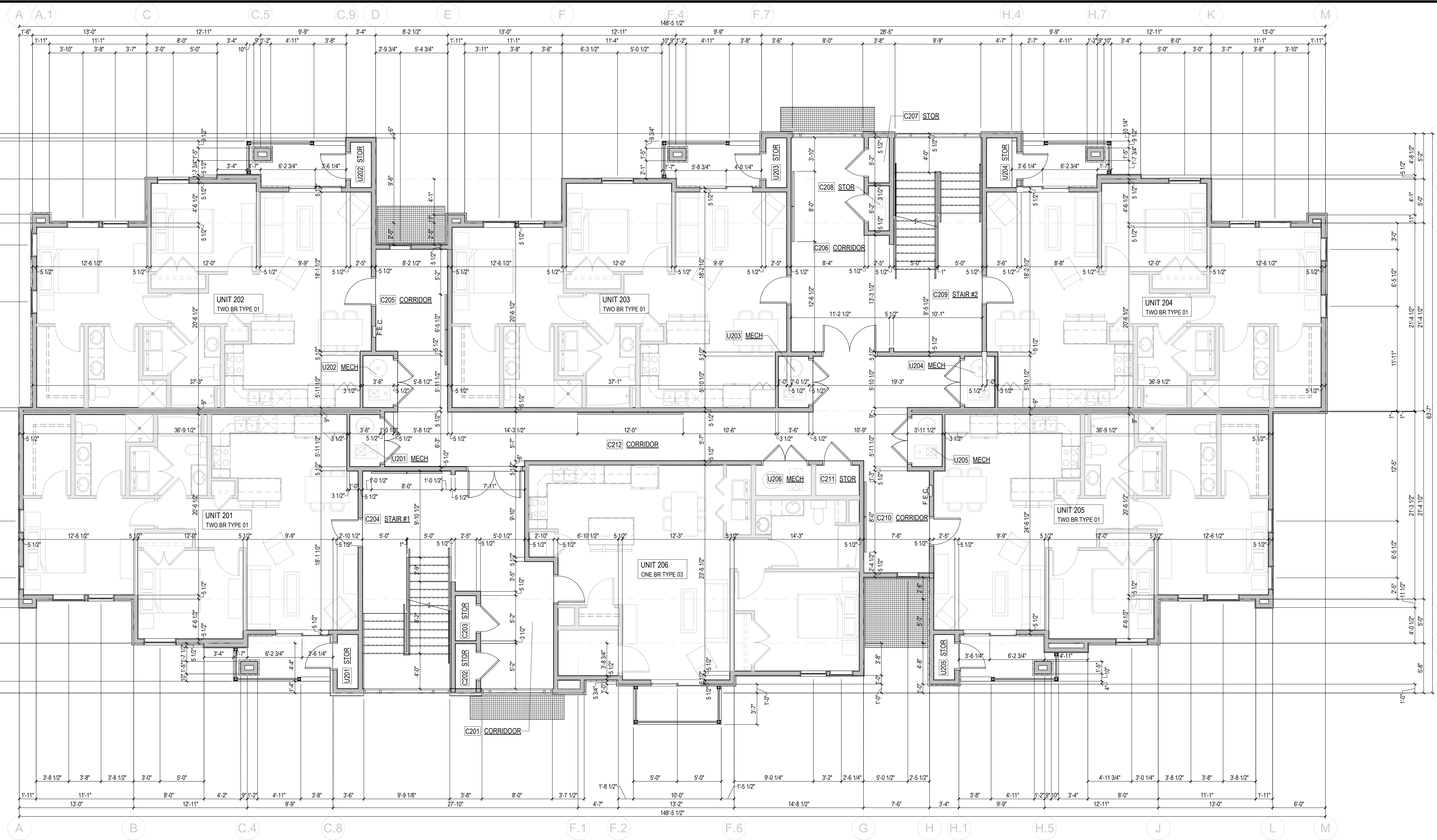
- GENERAL NOTES:**
- AT ALL FLOOR TRANSITIONS PROVIDE A METAL TRANSITION STRIP.
 - SEE SHEETS A4.0 & A4.1 FOR DOOR SCHEDULE AND DOOR / WINDOW TYPES.
 - SEE SHEET A3.3 FOR WALL TYPES.
 - ALL EXTERIOR WOOD-FRAMED WALLS ARE SIMILAR TO (U.N.O.)
 - ALL APARTMENT UNITS TO BE "TYPE B" UNITS AS SET FORTH IN THE ICC / ANSI A117.1-2009 & THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD) FAIR HOUSING ACCESSIBILITY GUIDELINES - UNLESS NOTED OTHERWISE (ONE OF THE UNITS TO BE "TYPE A" AS SET FORTH IN THE ICC / ANSI A117.1 - 2009) - SEE TYPICAL UNIT PLANS FOR APPLICABLE DESIGNATION.
 - SEE SITE PLAN (BY CIVIL ENGINEER) FOR LOCATION / EXTENSION OF WALKS & ACCESSIBLE ROUTE PLAN.
 - PROVIDE HEAT TAPE AT ALL DRAINS AND PILES IN NON-TEMPERED SPACES PER MECHANICAL / PLUMBING.
 - SEE TYPICAL UNIT PLANS FOR LOCATION OF 2X6 WALLS FOR FLUE CHASES WITHIN APARTMENTS.
 - ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER AND GENERAL CONTRACTOR PRIOR TO CONSTRUCTION AND INSTALLATION.
 - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS AS NECESSARY TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC.
 - SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS, SHEAR WALL LOCATIONS, & HOLD-DOWN AND STRAP LOCATIONS.
 - PROVIDE TACTILE EXIT SIGNAGE AT ALL EXITS, EXIT STAIRS, & DOORS TO EXIT DISCHARGE AS REQUIRED BY IBC 1013.
 - PROVIDE STAIR SIGNAGE AS REQUIRED BY IBC 123.9.
 - PROVIDE ELEVATOR SIGNAGE AS REQUIRED BY IBC 3002.3.
- NOTE: REFER TO SCHEDULES WITHIN THE SPEC BOOK (PROJECT MANUAL) FOR THE SPECIFIC COLORS / MATERIALS.
- NOTE: 1,2,3 / A8.1 FOR TYPICAL TILE INSTALLATION DETAILS.
- NOTE: WALL MATERIAL LISTED ON FINISH SCHEDULE DOES NOT LIST THE ENTIRE WALL SYSTEM - ONLY THE EXTERIOR LAYER (FOR COMPLETE SYSTEM & RATING CONSTRUCTION, SEE WALL TYPES / SECTIONS)
- NOTE: USE ATER - RESISTANT GYPSUM BOARD AT ALL BATHROOM / KITCHEN WET - WALL LOCATIONS.
- NOTE: WINDOW COVERINGS (TO BE COORDINATED W/ OWNER)

SQUARE FOOTAGE		UNIT COUNT	
LEVEL 1:	7,584 SQFT	LEVEL 1:	6 UNITS
LEVEL 2:	7,337 SQFT	LEVEL 2:	6 UNITS
LEVEL 3:	7,372 SQFT	LEVEL 3:	6 UNITS
TOTAL:	22,293 SQFT	TOTAL:	18 UNITS

LEVEL 2			
VER #	T.	QTY	UNIT NUMBER
1	B	5	201, 202, 203, 204, 205
2	A	N/A	
3	B	1	206

NOTE: SEE PROJECT MANUAL AS WELL AS GLAZING NOTE ON SHEET A4.01 FOR THERMAL PERFORMANCE OF EXTERIOR DOORS AND WINDOWS

- NOTE: SEE SHEETS A1.4 - A1.5 FOR ALL OTHER UNIT DIMENSIONS AT THIS LEVEL.
- NOTE: SEE STRUCTURAL DWGS. FOR CALL-OUTS AND MINIMUM SIZES ON FOUNDATION WALLS - SEE THIS SHEET FOR ACTUAL DIMENSIONS ON THE THICKNESS OF THE WALL. (MAY BE THICKER THAN STRUCT. MINIMUMS).
- NOTE: SEE STRUCTURAL DWGS. FOR LOCATIONS OF CONTROL / CONSTRUCTION JOINTS.
- NOTE: DIMENSIONS OF STEEL COLUMNS ARE ONLY SHOWN ON THIS SHEET / THIS LEVEL AND NOT REFLECTED ON UPPER LEVELS. TYPICAL (VERIFY ALL STEEL COLUMNS WITH STRUCTURAL DRAWINGS)
- NOTE: SEE SHEET A1.1a - A1.3a FOR ALL OTHER BUILDING DIMENSIONS AT THIS LEVEL.



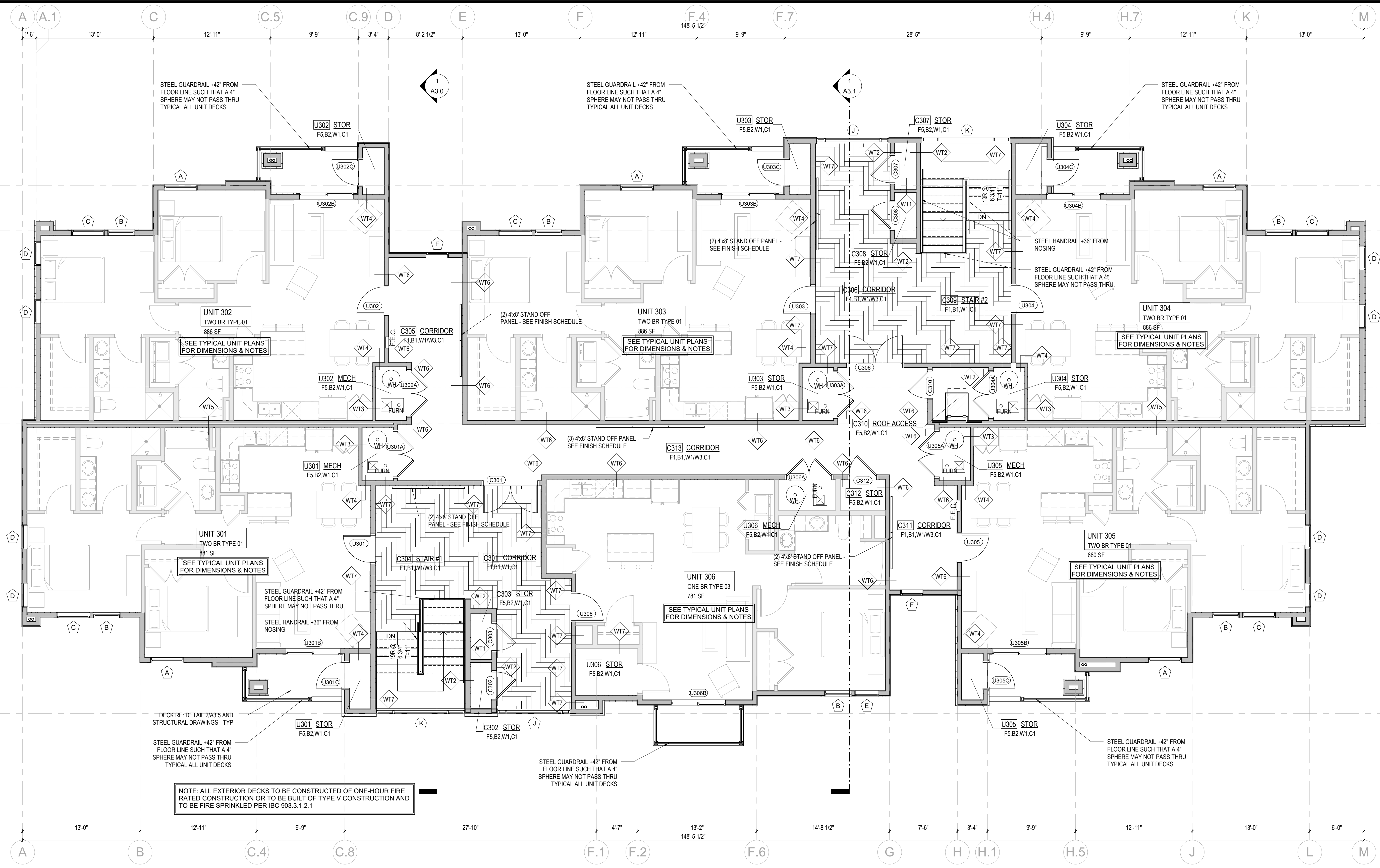
LEVEL 2 DIMENSIONAL PLAN
SCALE: 3/16" = 1'-0"



9/25/2019 4:12:20 PM

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\30th Street Apartments - copen\Working\Ogden - 30th Street Apartments.rvt



NOTE: ALL EXTERIOR DECKS TO BE CONSTRUCTED OF ONE-HOUR FIRE RATED CONSTRUCTION OR TO BE BUILT OF TYPE V CONSTRUCTION AND TO BE FIRE SPRINKLED PER IBC 903.3.1.2.1

LEVEL 3 FLOOR PLAN
SCALE: 3/16" = 1'-0"

FINISH SCHEDULE	
FLOOR	WALL
F1 LUXURY VINYL TILE (LVT 1) - 648GD1P, CY34 BARNWOOD, CYROSE, 12 MIL, 6x48, PROSERIES, DAL TILE	W1 GYPSUM BOARD - (SEE PLANS FOR ANY FIRE RATING), PAINT
F2 LUXURY VINYL TILE (LVT 2) - PKG A - BROWN / GREY, 648GD1P, CYROSE, 12 MIL, 6x48, CY31 COSTAL GREY, PROSERIES, DAL TILE	W2 WALL TILE - BACKSPLASH / BATHROOMS, MODERN DIMENSIONS, 0790 MATTE, ARTIC WHITE, 4 1/4" x 12 3/4" DAL TILE
F3 LUXURY VINYL TILE (LVT 3) - PKG B - LIGHT GREY, 648GD1P CYROSE, 12 MIL, 6x48, CY30 WHITE ASH, PROSERIES, DAL TILE	W3 ACCENT PANEL - LUSCIO, BRUSHED ALUMINUM, 4'-0"x8'-0", SOELBERG
F4 CARPET TILE - GENIUS 54884, 44710 SMARTS, 24/24 MAIN ST. SHAW	
F5 SEALED CONCRETE	
BASE	CEILING
B1 1x4 MDF BASE - PAINTED	C1 SEE REFLECTED CEILING PLANS FOR CEILING FINISH
B2 4" RUBBER BASE - ROPPE, BLACK	
MISC.	
PAINT - SW 7757 HIGH REFLECTIVE WHITE, SHERWIN WILLIAMS	LAMINATE 1 - PKG A - BROWN, 8909 NG.CASCARA TEAKWOOD, FORMICA
PAINT - COMMONS AND UNIT ENTRY DOORS - SW 7069 IRON ORE, SHERWIN WILLIAMS	LAMINATE 2 - PKG B - DARK GREY, 799BK-18, LOW LINE, WILSONART
QUARTZ 1 - PKG A - N076 POLISHED SIMPLY WHITE, DAL TILE	HARDWARE - POLISHED STAINLESS
QUARTZ 2 - PKG B - OQ01 AVENUE WHITE, ONE, DAL TILE	

GENERAL NOTES:	
1. AT ALL FLOOR TRANSITIONS PROVIDE A METAL TRANSITION STRIP.	7. PROVIDE HEAT TAPE AT ALL DRAINS AND PILES IN NON-TEMPERED SPACES PER MECHANICAL / PLUMBING.
2. SEE SHEETS A4.0 & A4.1 FOR DOOR SCHEDULE AND DOOR / WINDOW TYPES.	8. SEE TYPICAL UNIT PLANS FOR LOCATION OF 2X6 WALLS FOR FLUE CHASES WITHIN APARTMENTS.
3. SEE SHEET A3.3 FOR WALL TYPES.	9. ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER AND GENERAL CONTRACTOR PRIOR TO CONSTRUCTION AND INSTALLATION.
4. ALL EXTERIOR WOOD-FRAMED WALLS ARE SIMILAR TO (U.N.O.)	10. GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS AS NECESSARY TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC.
5. ALL APARTMENT UNITS TO BE "TYPE B" UNITS AS SET FORTH IN THE ICC / ANSI A117.1-2009 & THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD) FAIR HOUSING ACCESSIBILITY GUIDELINES - UNLESS NOTED OTHERWISE (ONE OF THE UNITS TO BE "TYPE A" AS SET FORTH IN THE ICC / ANSI A117.1 - 2009) - SEE TYPICAL UNIT PLANS FOR APPLICABLE DESIGNATION.	11. SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS, SHEAR WALL LOCATIONS, & HOLDOWN AND STRAP LOCATIONS.
6. SEE SITE PLAN (BY CIVIL ENGINEER) FOR LOCATION / EXTENSION OF WALKS & ACCESSIBLE ROUTE PLAN.	12. PROVIDE TACTILE EXIT SIGNAGE AT ALL EXITS, EXIT STAIRS, & DOORS TO EXIT DISCHARGE AS REQUIRED BY IBC 1013.
	13. PROVIDE STAIR SIGNAGE AS REQUIRED BY IBC 123.9.
	14. PROVIDE ELEVATOR SIGNAGE AS REQUIRED BY IBC 3002.3.

SQUARE FOOTAGE		UNIT COUNT	
LEVEL 1:	7,584 SQFT	LEVEL 1:	6 UNITS
LEVEL 2:	7,337 SQFT	LEVEL 2:	6 UNITS
LEVEL 3:	7,372 SQFT	LEVEL 3:	6 UNITS
TOTAL:	22,293 SQFT	TOTAL:	18 UNITS

LEVEL 3			
VER #	T.	QTY	UNIT NUMBER
1	B	5	301, 302, 303, 304, 305
2	A	N/A	
3	B	1	306

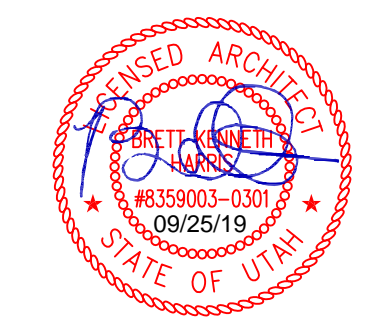
NOTE: SEE SHEETS A1.4 - A1.5 FOR ALL OTHER UNIT DIMENSIONS AT THIS LEVEL.

NOTE: SEE STRUCTURAL DWGS. FOR CALL-OUTS AND MINIMUM SIZES ON FOUNDATION WALLS - SEE THIS SHEET FOR ACTUAL DIMENSIONS ON THE THICKNESS OF THE WALL. (MAY BE THICKER THAN STRUCT. MINIMUMS).

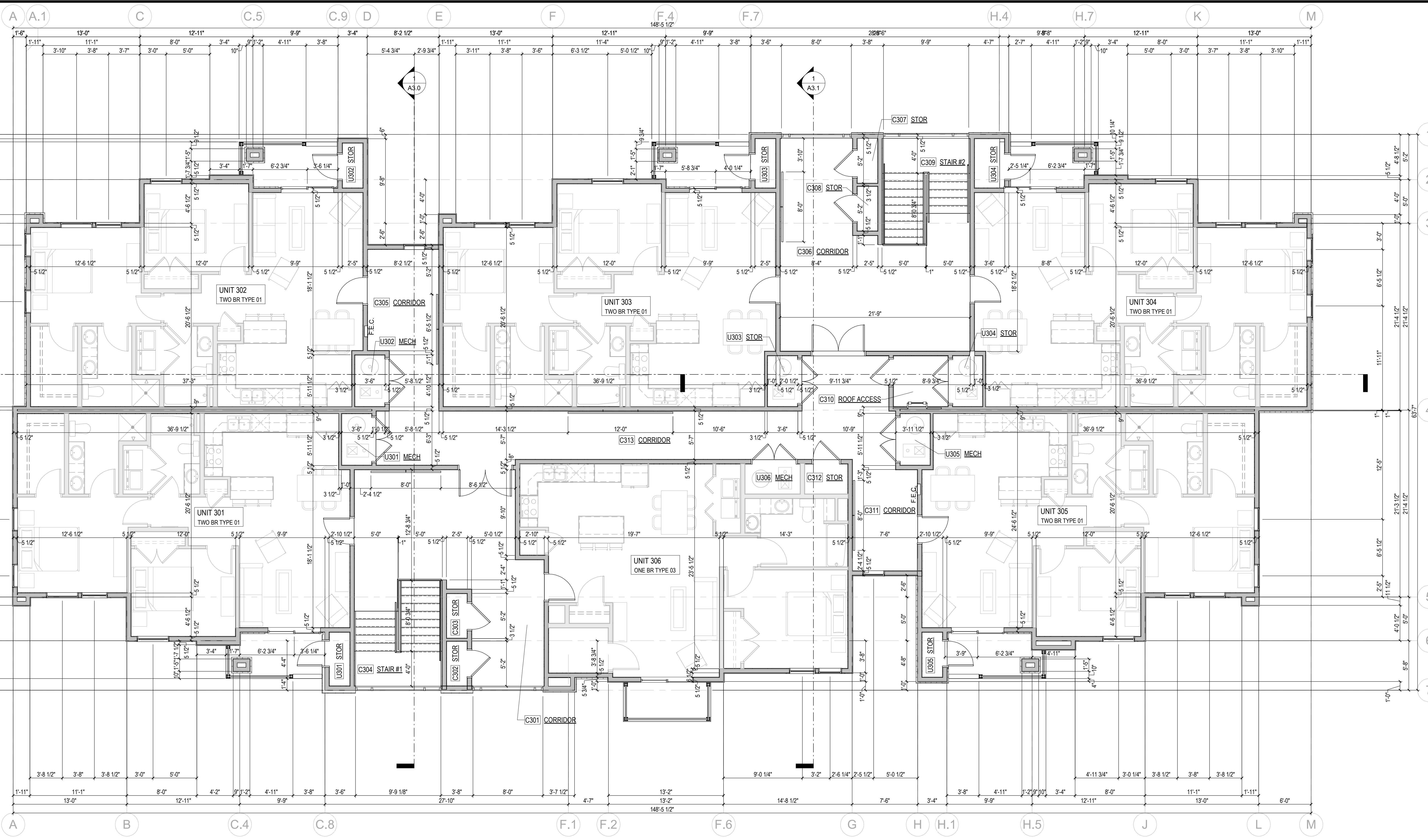
NOTE: SEE STRUCTURAL DWGS. FOR LOCATIONS OF CONTROL / CONSTRUCTION JOINTS.

NOTE: DIMENSIONS OF STEEL COLUMNS ARE ONLY SHOWN ON THIS SHEET / THIS LEVEL AND NOT REFLECTED ON UPPER LEVELS. TYPICAL (VERIFY ALL STEEL COLUMNS WITH STRUCTURAL DRAWINGS)

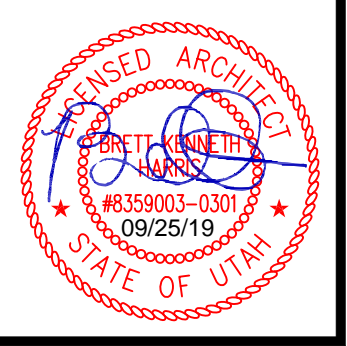
NOTE: SEE SHEET A1.1a - A1.3a FOR ALL OTHER BUILDING DIMENSIONS AT THIS LEVEL.



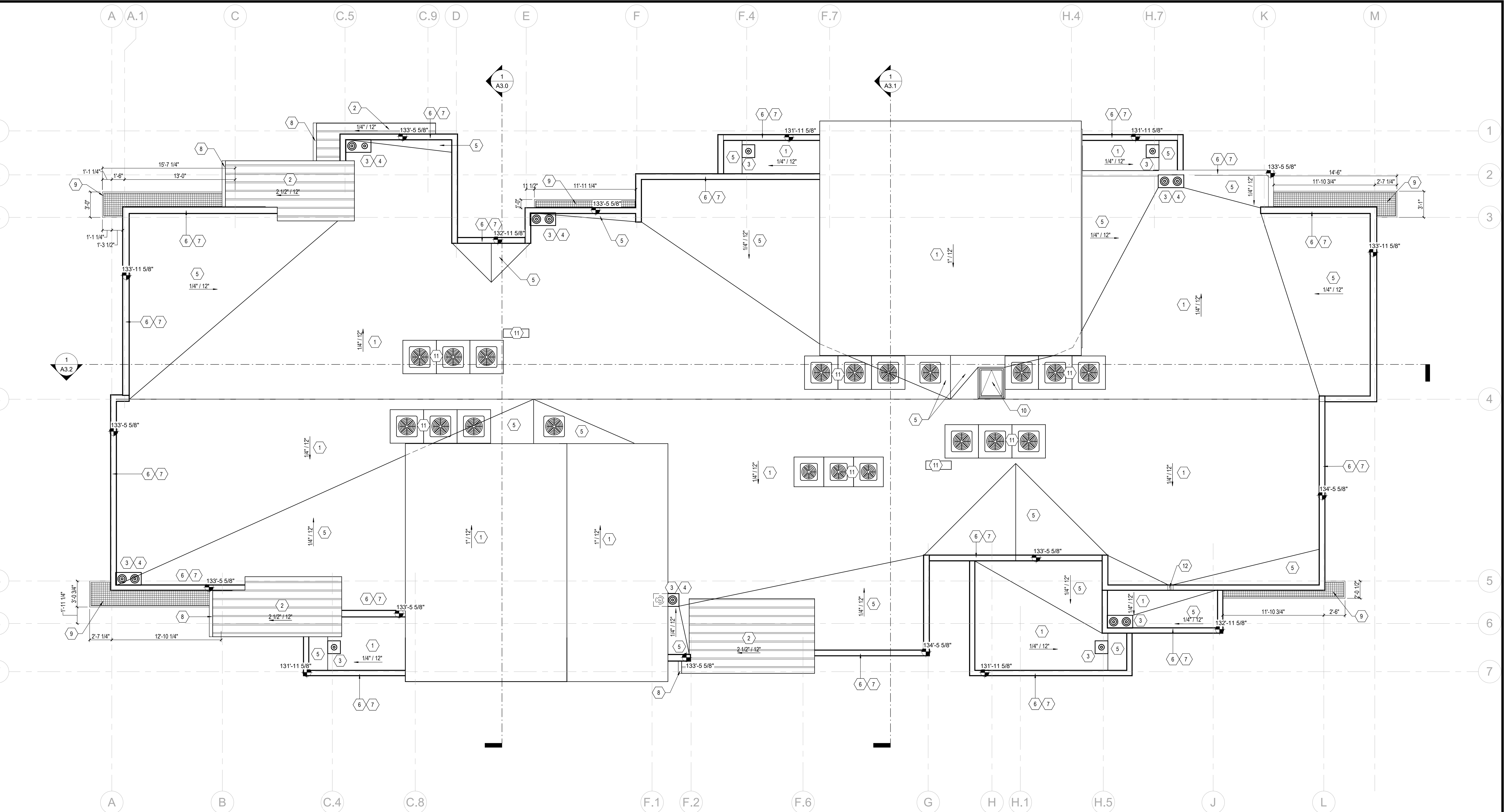
R = RATED GLASS
S = SPANDREL GLASS
* = TEMPERED GLASS



LEVEL 3 DIMENSIONAL PLAN
SCALE: 3/16" = 1'-0"



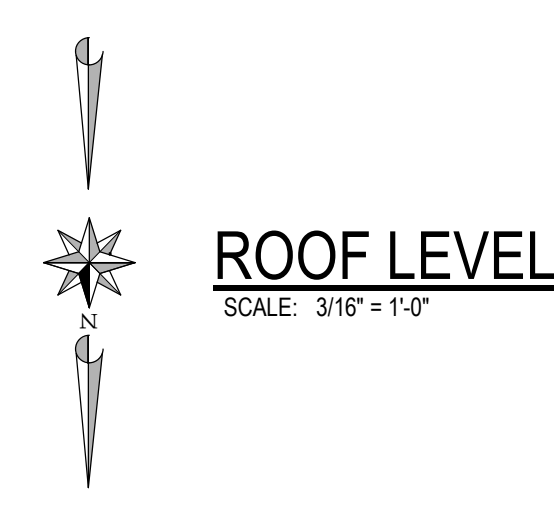
9/25/2019 4:12:28 PM
 THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\30th Street Apartments - cgdgen\Working\Ogden - 30th Street Apartments.rvt



- ROOF NOTES:**
- GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR PLUMBING FIXTURE TRAPS, HATCHES, ETC.
 - ALL ROOF PENETRATIONS TO BE DETERMINED AND INSTALLED BY ROOFING SUBCONTRACTOR COORDINATE ALL LOCATIONS W/ ALL APPLICABLE TRADES.
 - VERIFY LOCATION OF ROOF PENETRATIONS. SEE ALSO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
 - SLOPE TOP OF PARAPETS BACK TO MAIN ROOF AT 1/4" PER FT. MINIMUM SLOPE (TYPICAL)
 - ALL MECHANICAL EQUIP. SHALL BE PLACED BEHIND THE TALLER PARAPETS WHEREVER POSSIBLE. SEE MECH. DWGS.
 - ALL MECHANICAL EQUIPMENT SHALL BE PLACED ON SOUND ISOLATION PLATFORM (PER MFG'S RECOMMENDATIONS). SEE MECHANICAL DRAWINGS.
 - PROVIDE WALKWAY PADS AROUND ROOF HATCHES AND TO ALL UNITS ON THE ROOF.
 - CONSTRUCT CRICKETS WITH RIGID INSULATION SLOPE 1/4" / FT. MIN. (PROVIDE CRICKETS AT ALL MECHANICAL EQUIP. LOCATIONS).
 - CRICKET AND SLOPE LAYOUT IS SCHEMATIC. SEE SHOP DRAWINGS FROM INSULATION MFG. AND INSTALLER FOR EXACT LAYOUT. CRICKETS SHOWN ARE REPRESENTATIONAL ONLY.
 - PROVIDE HEAT TAPE AT ALL DRAINS AND AT ALL PIPES IN UN-TEMPERED SPACES.
 - PROVIDE DRAINAGE OPENINGS AND SCUPPERS AT CANOPIES.

ROOF PLAN KEYNOTES

1	PVC ROOF MEMBRANE SLOPE 1/4" PER FOOT (CLASS B RATED) OR EPDM ALTERNATE)
2	STANDING SEAM METAL ROOF
3	ROOF DRAIN - PROVIDE HEAT TAPE AT ALL DRAINS AND AT ALL PIPES IN UN-TEMPERED SPACES
4	OVERFLOW +2" ABOVE ROOF DRAIN - PROVIDE HEAT TAPE AT ALL DRAINS AND AT ALL PIPES IN UN-TEMPERED SPACES
5	CRICKET - MIN SLOPE 1/4" PER FOOT
6	PREFINISHED METAL PARAPET CAP
7	PARAPET BRACING AS REQUIRED - SEE STRUCTURAL FOR LOCATION AND DETAILS
8	PAINTED ALUMINUM GUTTER AND DOWNSPOUT
9	PAINTED ALUMINUM OR STEEL (POWDER COATED) CANOPY WITH 2"x2" WIRE MESH (SEE STRUCTURAL)
10	36"x36" ROOF ACCESS HATCH AND GUARDS. SEE DETAIL 5/A4.3
11	MECHANICAL EQUIPMENT - SEE MECHANICAL DRAWINGS
12	SCUPPER DRAIN THROUGH PARAPET WALL



REVISIONS

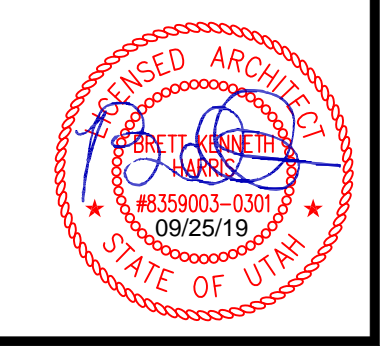
DRAWN BY
Author

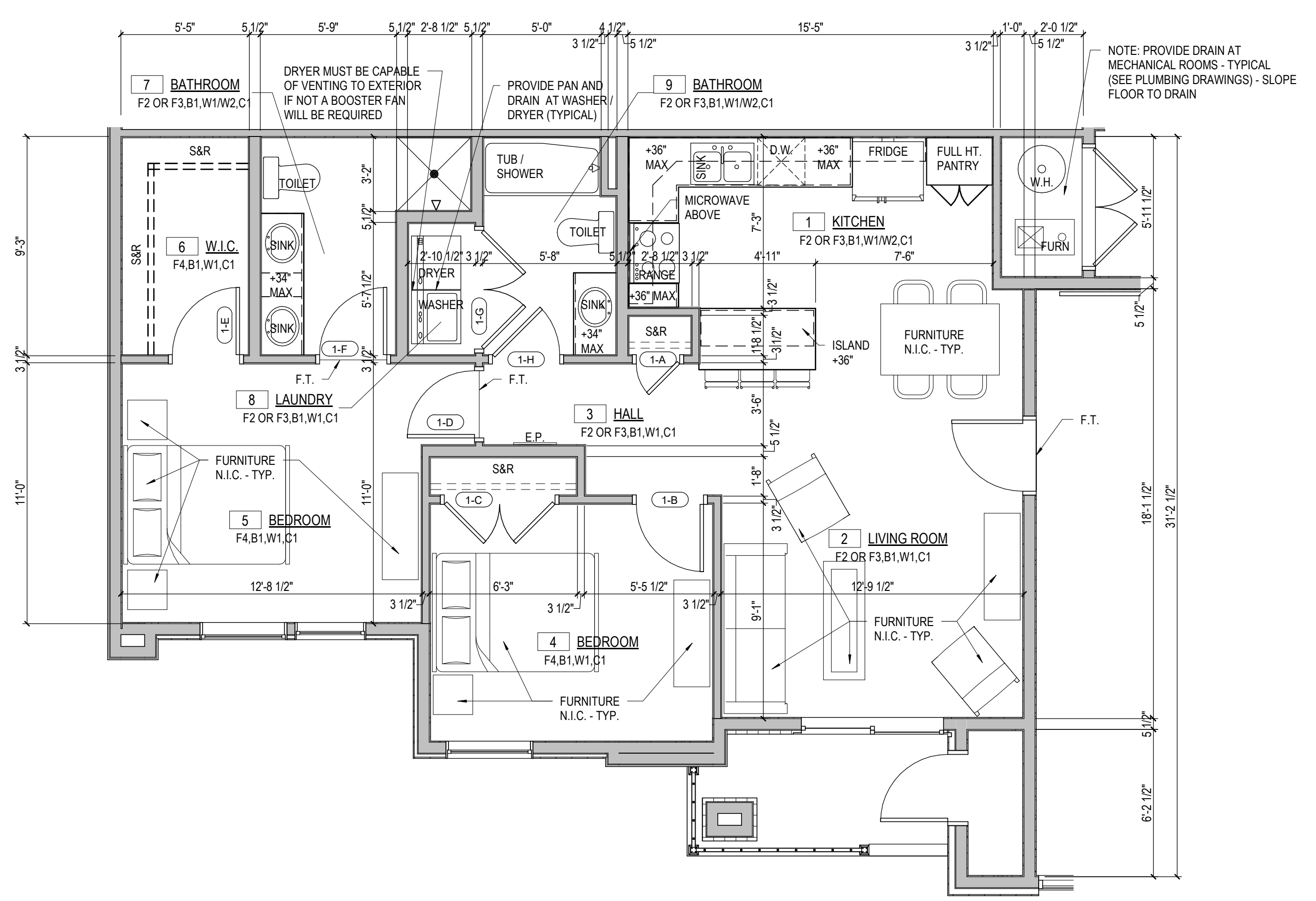
HARRIS ARCHITECTURE
 5620 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
 ROOF PLAN

09/26/2019

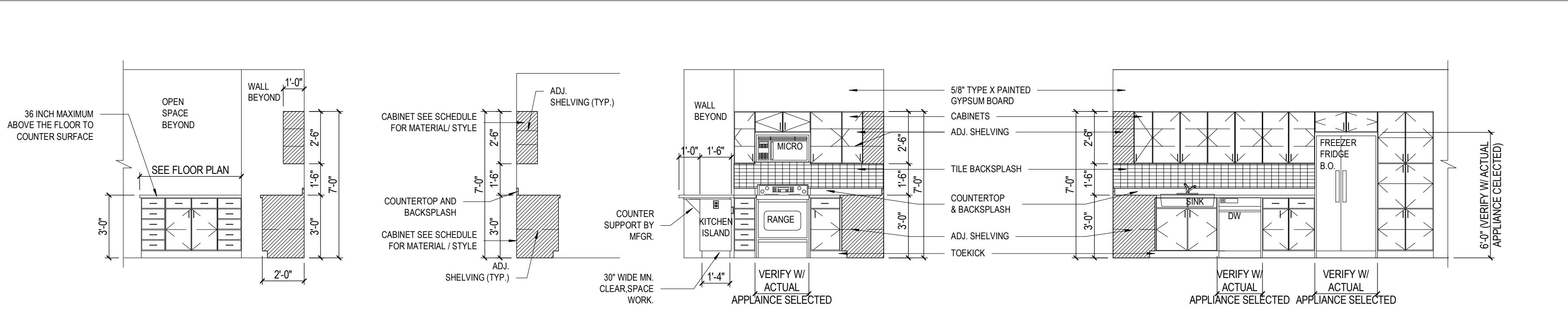
A1.4



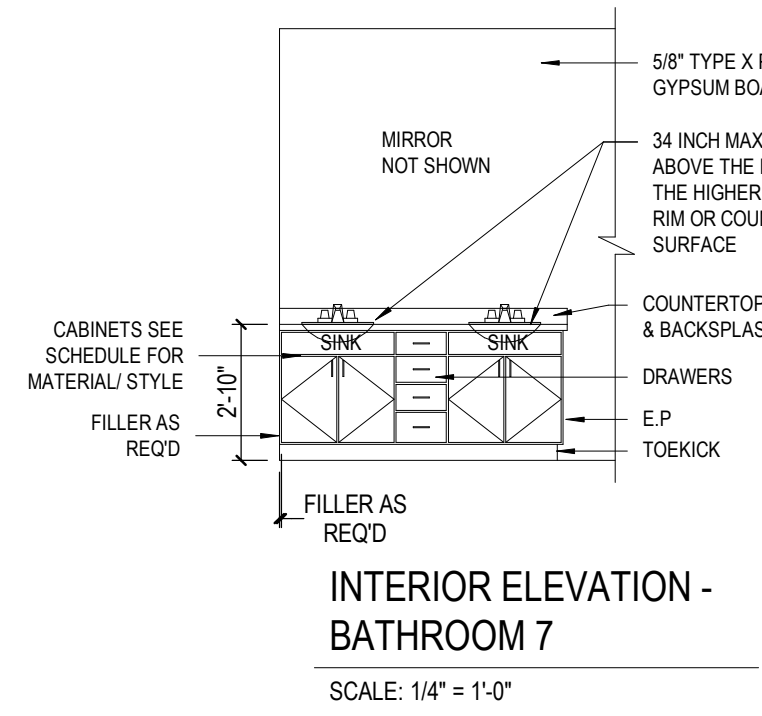


UNIT TYPE 1 - TWO BEDROOM
SCALE: 1/4" = 1'-0"

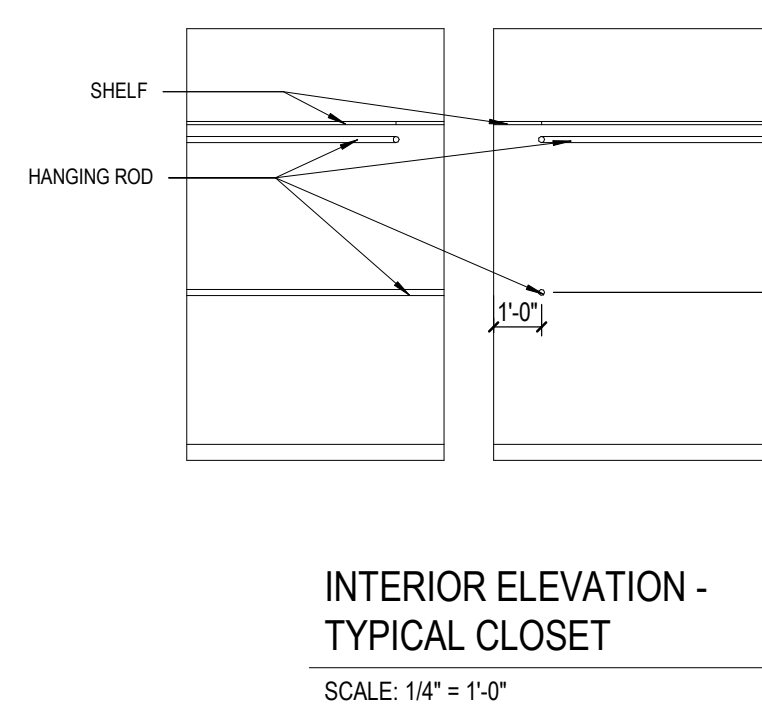
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.



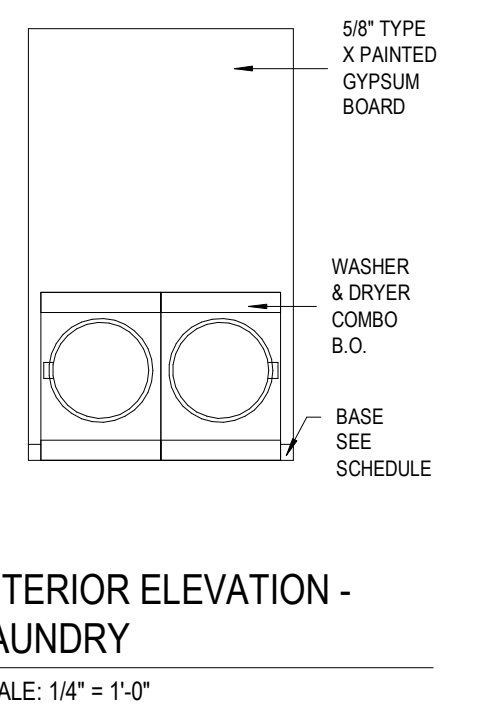
TYPE B INTERIOR ELEVATIONS - KITCHEN
SCALE: 1/4" = 1'-0"



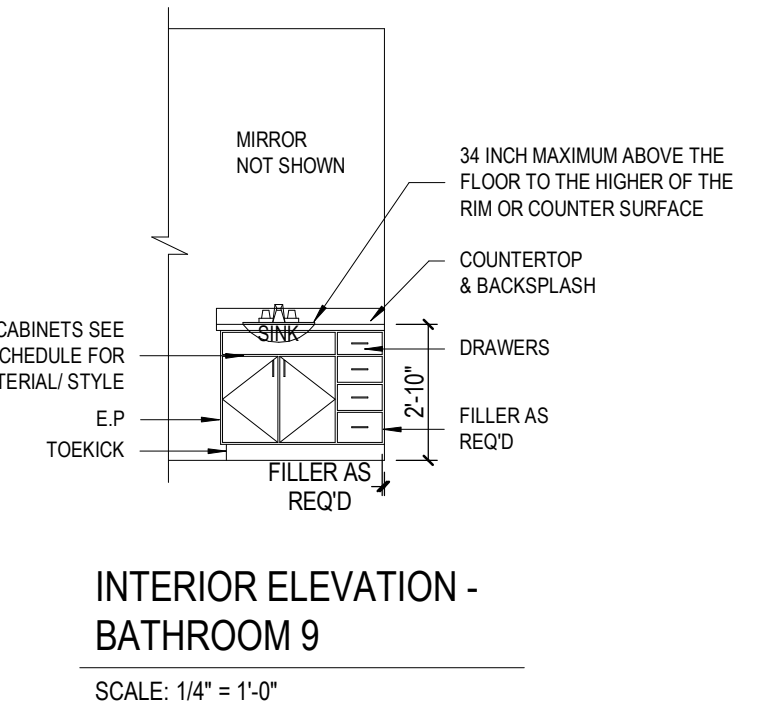
TYPE B INTERIOR ELEVATIONS - BATHROOM 7
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATION - TYPICAL CLOSET
SCALE: 1/4" = 1'-0"

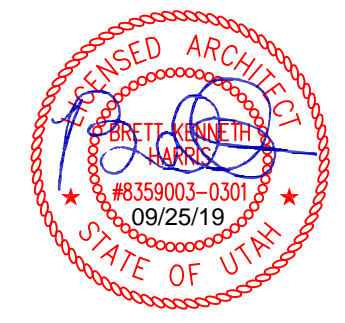


INTERIOR ELEVATION - LAUNDRY
SCALE: 1/4" = 1'-0"



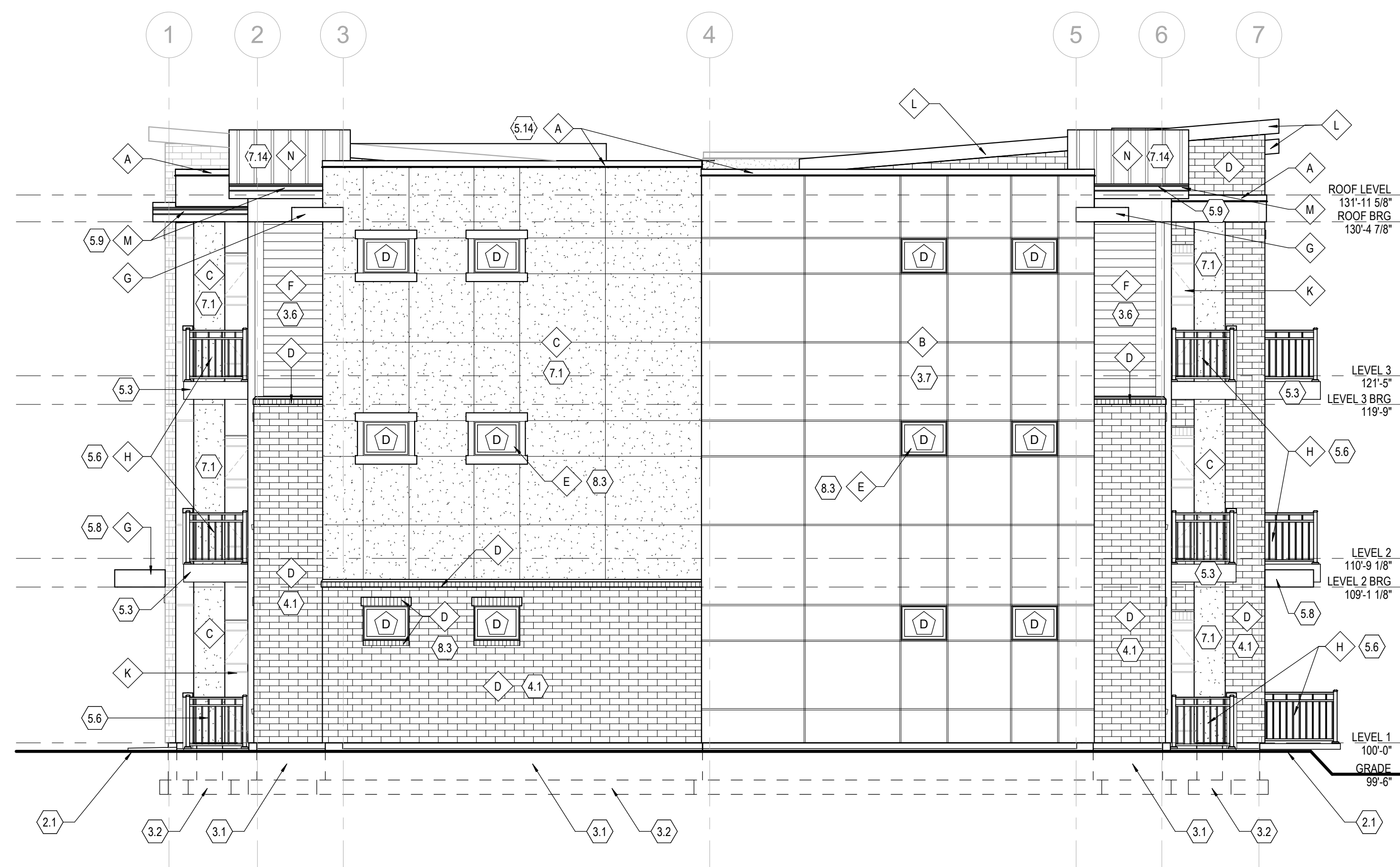
INTERIOR ELEVATION - BATHROOM 9
SCALE: 1/4" = 1'-0"

FINISH SCHEDULE	
FLOOR	WALL
F1 LUXURY VINYL TILE (LVT 1) - 648GD1P, CY34 BARNWOOD, CYROSE, 12 MIL, 6x48, PROSERIES, DAL TILE	W1 GYPSUM BOARD - (SEE PLANS FOR ANY FIRE RATING), PAINT
F2 LUXURY VINYL TILE (LVT 2) - PKG A - BROWN / GREY, 648GD1P, CYROSE, 12 MIL, 6x48, CY31 COSTAL GREY, PROSERIES, DAL TILE	W2 WALL TILE - BACKSPLASH / BATHROOMS, MODERN DIMENSIONS, 0790 MATTE, ARTIC WHITE, 4 1/4"x 12 3/4", DAL TILE
F3 LUXURY VINYL TILE (LVT 3) - PKG B - LIGHT GREY, 648GD1P CYROSE, 12 MIL, 6x48, CY30 WHITE ASH, PROSERIES, DAL TILE	W3 ACCENT PANEL - LISICIO, BRUSHED ALUMINUM, 4'-0"x8'-0", SOELBERG
F4 CARPET TILE - GENIUS 54884, 44710 SMARTS, 24/24 MAIN ST. SHAW	CEILING
F5 SEALED CONCRETE	C1 SEE REFLECTED CEILING PLANS FOR CEILING FINISH
BASE	MISC.
B1 1x4 MDF BASE - PAINTED	PAINT - SW 7757 HIGH REFLECTIVE WHITE, SHERWIN WILLIAMS
B2 4" RUBBER BASE - ROPPE, BLACK	LAMINATE 1 - PKG A - BROWN, 8909 NG.CASCARA TEAKWOOD, FORMICA
	SMOOTH WOOD CUTS
	MDF BASE
	NOTE: CUTS TO BE AT 45 DEGREES
	LAMINATE 2 - PKG B - DARK GREY, 7998K-18, LOW LINE, WILSONART
	HARDWARE - POLISHED STAINLESS





NORTH ELEVATION
SCALE: 3/16" = 1'-0"



EAST ELEVATION
SCALE: 3/16" = 1'-0"

- GENERAL NOTES:**
1. PROVIDE / MAINTAIN 30" MINIMUM FROST DEPTH CLEARANCE FROM TOP OF GRADE TO BOTTOM OF FOOTING - SEE STRUCTURAL FOR EXACT HEIGHTS OF FOUNDATION WALLS.
 2. GENERAL CONTRACTOR TO COORDINATE ALL FOOTING HEIGHTS AND FOOTING STEPS WITH CIVIL AND STRUCTURAL AND WITH FINAL GRADES ON SITE.
 3. GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC...
 4. SOILS ENGINEER TO PROVIDE INSPECTION OF THE SITE ONCE EXCAVATION HAS TAKEN PLACE TO DETERMINE IF ANY PERIMETER DRAINAGE SYSTEM AND WATERPROOFING MEMBRANE IS REQUIRED.
 5. ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER PRIOR TO CONTRUCTION AND INSTALLATION.
 6. FOR SOUND INSULATION AT INTERIOR WALLS SEE FLOOR PLANS AND WALL TYPE DETAILS, SHEETS ___ & ___ VERIFY INTENT WITH OWNER.
 7. SEE ROOF PLAN FOR ALL DIMENSIONS OF CANOPIES.
- S = SPANDREL GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).
 * = TEMPERED GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).
 □ ○ SEE SHEETS A4.0 - A4.1 FOR DOOR AND WINDOW TYPES

KEY TO EXTERIOR FINISHES

A	PRE-FINISHED ALUMINUM CAP	BLACK
B	CEMENT BOARD SIDING, SMOOTH FINISH, ALLURA	SNOW
C	STUCCO (HARD COAT) FINE FINISH, SENERGY	BRUME
D	BRICK, INTERSTATE	MIDNIGHT BLACK
E	VINYL WINDOW	BLACK
F	SIDING, ALLURA	CEDAR TS
G	METAL CANOPY, PAINTED	BLACK
H	DECK / RAILING	BLACK
I	ALUMINUM STOREFRONT	BLACK
J	SLIDER DOOR	BLACK
K	HOLLOW METAL DOOR & FRAME	BLACK
L	ALUMINUM FASCIA	BLACK
M	ALUMINUM GUTTER AND DOWNSPOUT	BLACK
N	STANDING SEAM METAL ROOF	CHARCOL GRAY

FINISH NOTES:

NOTE: ALL METAL TRIMS / VENTS ON EXTERIOR OF BUILDIGN TO BE PAINTED TO MATCH THE COLOR OF THE BRICK / STUCCO / METAL PANELS / OR OTHER EXTERIOR FINISHES THAT THEY ARE LOCATED IN. VERIFY PAINT COLOR WITH ARCHITECT AND OWNER.

NOTE: SEE ARCHITECTURAL FINISH SCHEDULES FOR ACTUAL COLORS AND MATERIALS.

NOTE: ALL COLORS / MATERIALS TO BE SUBMITTED TO ARCHITECT AND OWNER FOR APPROVAL.

NOTE: EXTERIOR FINISHES / COLORS TO TERMINATE NO INSIDE CORNERS ONLY. SEE BELOW.

KEY NOTES

SITE CONSTRUCTION

(21) FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.

CONCRETE

(31) CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.

(32) CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.

(36) CEMENT BOARD SIDING.

(37) CEMENT BOARD PANEL.

MASONRY

(41) BRICK (SEE MFRG ATTACHMENT DETAILS)

METALS

(52) PREFINISHED METAL FLASHING.

(53) WOOD FRAMED DECK - SEE DETAIL 2/A3.5 AND STRUCT.

(56) STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) - 42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL - OUTS AND CONNECTION DETAILS).

(58) STEEL CANOPY (PAINTED) - SEE STRUCT. FOR ATTACHMENT.

(59) PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW)

(61) PREFINISHED ALUM. DRIP

(64) PRE-FINISHED ALUMINUM PARAPET CAP

THERMAL & MOISTURE

(71) STUCCO - HARD COAT.

(74) STANDING SEAM METAL ROOF SYSTEM INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

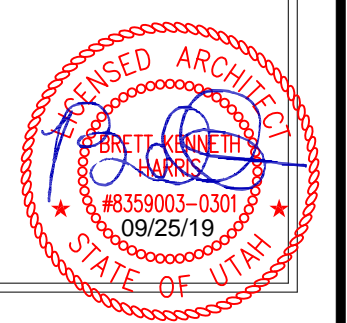
DOORS AND WINDOWS

(81) HOLLOW METAL DOOR

(82) ALUMINUM ENTRY / WINDOW SYSTEM

(83) VINYL WINDOW (SLIDING OR SINGLE HUNG) - SEE PLAN AND ELEVATIONS FOR SIZES / OPERATION.

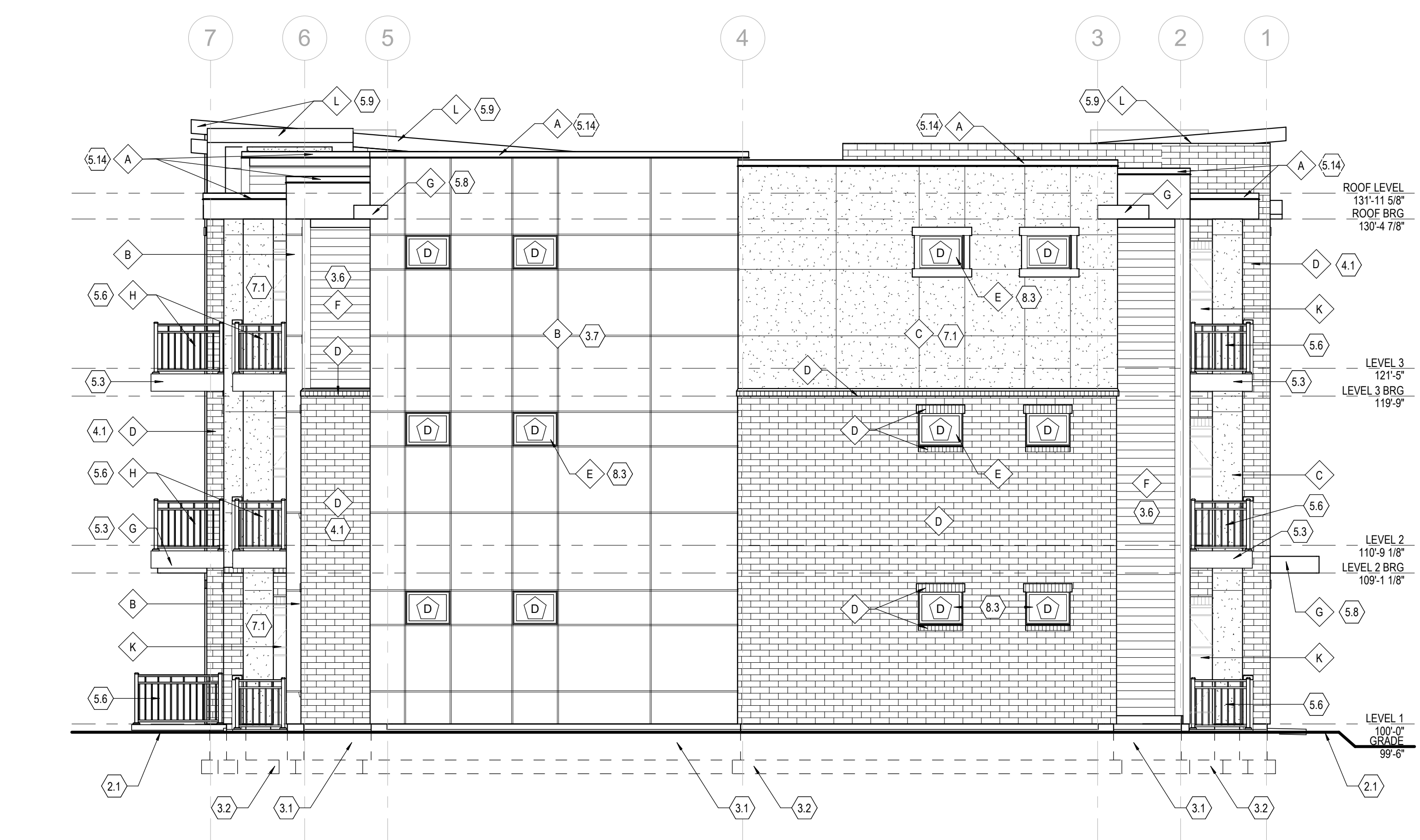
(84) VINYL SLIDING DOOR SYSTEM.



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt



SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION
SCALE: 3/16" = 1'-0"

- GENERAL NOTES:**
- PROVIDE / MAINTAIN 30" MINIMUM FROST DEPTH CLEARANCE FROM TOP OF GRADE TO BOTTOM OF FOOTING - SEE STRUCTURAL FOR EXACT HEIGHTS OF FOUNDATION WALLS.
 - GENERAL CONTRACTOR TO COORDINATE ALL FOOTING HEIGHTS AND FOOTING STEPS WITH CIVIL AND STRUCTURAL AND WITH FINAL GRADES ON SITE.
 - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC...
 - SOILS ENGINEER TO PROVIDE INSPECTION OF THE SITE ONCE EXCAVATION HAS TAKEN PLACE TO DETERMINE IF ANY PERIMETER DRAINAGE SYSTEM AND WATERPROOFING MEMBRANE IS REQUIRED.
 - ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER PRIOR TO CONSTRUCTION AND INSTALLATION.
 - FOR SOUND INSULATION AT INTERIOR WALLS SEE FLOOR PLANS AND WALL TYPE DETAILS, SHEETS ___ & ___ VERIFY INTENT WITH OWNER.
 - SEE ROOF PLAN FOR ALL DIMENSIONS OF CANOPIES.
- S = SPANDREL GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).
 * = TEMPERED GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).
 □ = SEE SHEETS A4.0 - A4.1 FOR DOOR AND WINDOW TYPES

KEY TO EXTERIOR FINISHES

FINISH	FINISH	COLOR
A	PRE-FINISHED ALUMINUM CAP	BLACK
B	CEMENT BOARD SIDING, SMOOTH FINISH, ALLURA	SNOW
C	STUCCO (HARD COAT) FINE FINISH, SENERGY	BRUME
D	BRICK, INTERSTATE	MIDNIGHT BLACK
E	VINYL WINDOW	BLACK
F	SIDING, ALLURA	CEDAR TS
G	METAL CANOPY, PAINTED	BLACK
H	DECK / RAILING	BLACK
I	ALUMINUM STOREFRONT	BLACK
J	SLIDER DOOR	BLACK
K	HOLLOW METAL DOOR & FRAME	BLACK
L	ALUMINUM FASCIA	BLACK
M	ALUMINUM GUTTER AND DOWNSPOUT	BLACK
N	STANDING SEAM METAL ROOF	CHARCOL GRAY

FINISH NOTES:

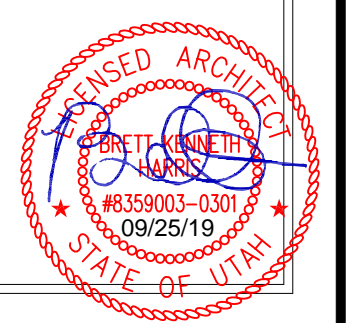
NOTE: ALL METAL TRIMS / VENTS ON EXTERIOR OF BUILDING TO BE PAINTED TO MATCH THE COLOR OF THE BRICK / STUCCO / METAL PANELS / OR OTHER EXTERIOR FINISHES THAT THEY ARE LOCATED IN. VERIFY PAINT COLOR WITH ARCHITECT AND OWNER.

NOTE: SEE ARCHITECTURAL FINISH SCHEDULES FOR ACTUAL COLORS AND MATERIALS.

NOTE: ALL COLORS / MATERIALS TO BE SUBMITTED TO ARCHITECT AND OWNER FOR APPROVAL.

NOTE: EXTERIOR FINISHES / COLORS TO TERMINATE NO INSIDE CORNERS ONLY. SEE BELOW.

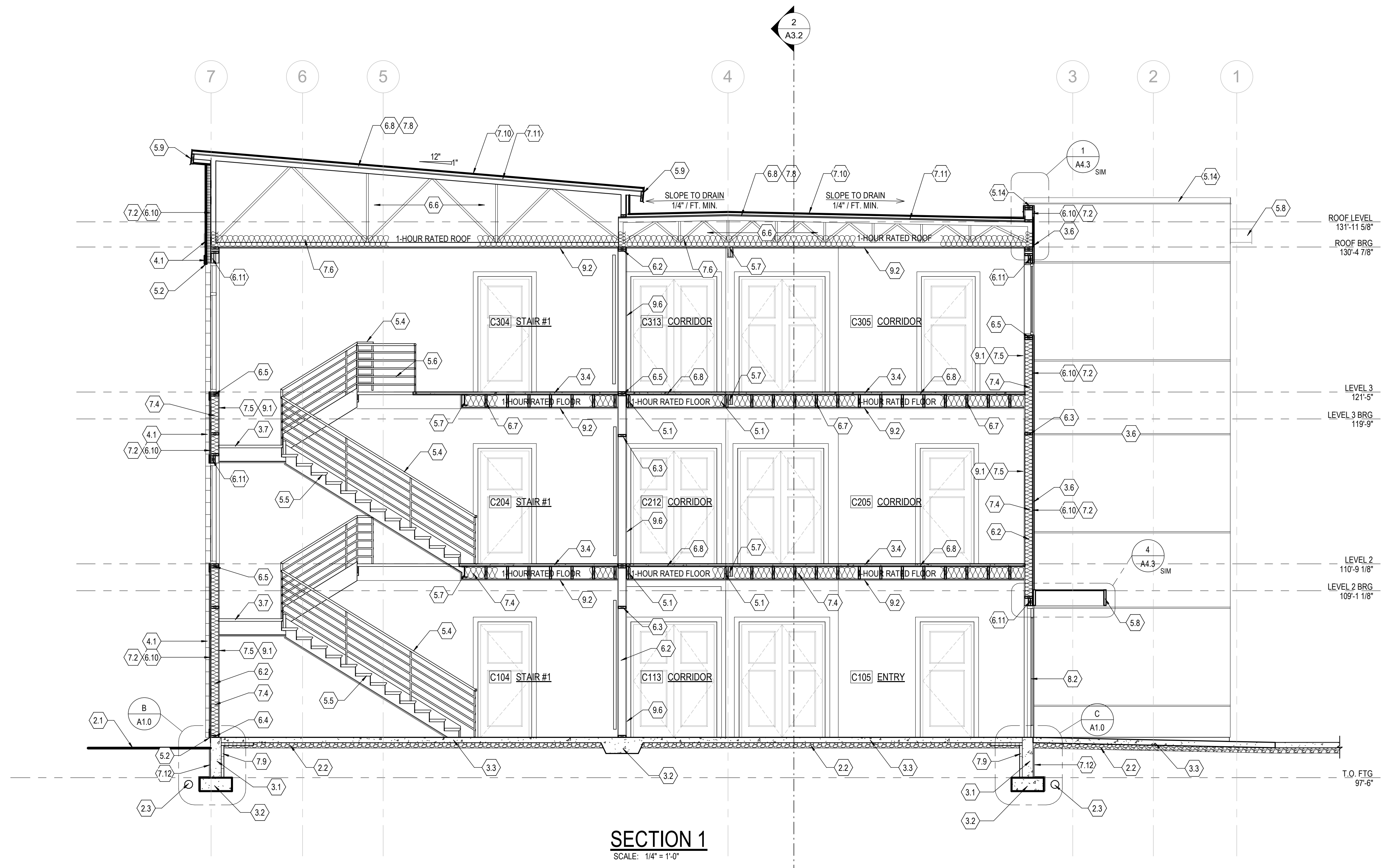
- KEY NOTES**
- SITE CONSTRUCTION**
- (2.1) FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.
- CONCRETE**
- (3.1) CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.
 - (3.2) CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.
 - (3.6) CEMENT BOARD SIDING.
 - (4.7) CEMENT BOARD PANEL.
- MASONRY**
- (4.1) BRICK (SEE MFR ATTACHMENT DETAILS)
- METALS**
- (5.2) PRE-FINISHED METAL FLASHING.
 - (5.3) WOOD FRAMED DECK - SEE DETAIL 2/A3.5 AND STRUCT.
 - (5.6) STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) +42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL - OUTS AND CONNECTION DETAILS).
 - (5.8) STEEL CANOPY (PAINTED) - SEE STRUCT. FOR ATTACHMENT.
 - (5.9) PRE-FINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW)
 - (6.19) PRE-FINISHED ALUM. DRIP
 - (6.14) PRE-FINISHED ALUMINUM PARAPET CAP
- THERMAL & MOISTURE**
- (7.1) STUCCO - HARD COAT.
 - (7.14) STANDING SEAM METAL ROOF SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- DOORS AND WINDOWS**
- (8.1) HOLLOW METAL DOOR
 - (8.2) ALUMINUM ENTRY / WINDOW SYSTEM.
 - (8.3) VINYL WINDOW (SLIDING OR SINGLE HUNG) - SEE PLAN AND ELEVATIONS FOR SIZES / OPERATION.
 - (8.4) VINYL SLIDING DOOR SYSTEM.



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt



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

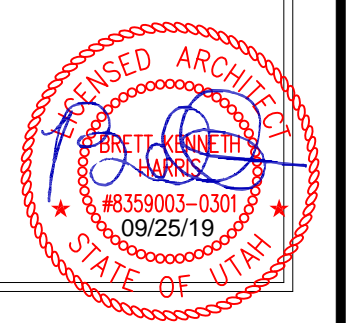
KEY NOTES

- SITE CONSTRUCTION**
- (21) FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.
 - (22) ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH.
 - (23) PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.
- CONCRETE**
- (31) CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.
 - (32) CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.
 - (33) 4" REINFORCED CONCRETE SLAB ON GRADE - SEE STRUCTURAL DRAWINGS.
 - (34) 1" GYPCRETE (SEALED WHERE FLOOR FINISH REQUIRES GLUE DOWN OVER 1/4" SOUND REDUCTION MAT IF OWNER CHOOSES TO ELIMINATE SOUND MAT THE GYPCRETE MUST CHANGE TO 1 1/4")
 - (36) CEMENT BOARD SIDING.
 - (37) 2 1/2" REINFORCED CONCRETE OVER WOOD SUB FLOOR - SEE STRUCTURAL DRAWINGS.
- MASONRY**
- (41) BRICK (SEE MFR ATTACHMENT DETAILS)
- METALS**
- (51) SIMPSON HANGER - SEE STRUCTURAL DRAWINGS.
 - (52) PREFINISHED METAL FLASHING
 - (53) WOOD FRAMED DECK - SEE DETAIL 2/A3.5 AND STRUCT.
 - (54) STEEL HANDRAILING (PAINTED) - +36" FROM NOSING - SEE DETAIL B/A3.4
 - (55) CONCRETE - FILLED STEEL PAN TREADS AND STEEL RISERS (PAINTED)
 - (56) STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) - 42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL - OUTS AND CONNECTION DETAILS)
 - (57) BEAM - SEE STRUCT.
 - (58) STEEL CANOPY (PAINTED) - SEE STRUCT. FOR ATTACHMENT.
 - (59) PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW)
 - (614) PREFINISHED ALUMINUM PARAPET CAP
 - (615) 30"x36" ROOF ACCESS HATCH. SEE DETAILS ON SHEET A4.4
 - (616) ROOF ACCESS LADDER
- WOOD AND PLASTICS**
- (61) 2x4 STUDS - SEE STRUCT. FOR SPACING.
 - (62) 2x6 STUDS - SEE STRUCT. FOR SPACING.
 - (63) BLOCKING - SEE STRUCT.
 - (64) 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING.
 - (65) DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.
 - (66) PRE-MANUFACTURED ROOF TRUSS - SEE STRUCT. FOR SPACING.
 - (67) 18" DEEP TRUSS - SEE STRUCT. FOR SERIES & SPACING.
 - (68) 3/4" T&G SHEATHING NAIL AND GLUE.
 - (69) BLOCKING AT +8'-0" AND AT CEILING.
 - (610) WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS.
 - (611) WOOD BEAM / HEADER - SEE STRUCT DRAWINGS.
- THERMAL & MOISTURE**
- (71) STUCCO - HARD COAT
 - (72) CONTINUOUS AIR BARRIER - TYP/VEK COMMERCIAL WRAP "10" OR APPROVED EQUAL (TAPE AND SEAL SEAMS & PENETRATIONS) TYP. AT EXTERIOR WALLS. (AT GENERAL CONTRACTOR'S OPTION: A FLUID APPLIED AIR BARRIER MAY BE USED IN LIEU)
 - (74) BATT INSULATION - R19.
 - (75) 6 MIL POLYETHYLENE MOISTURE BARRIER W/ JOINTS LAPPED PER SPECIFICATIONS.
 - (76) BATT INSULATION - FILL VOID OF JOIST R19 MIN (FSK BATTS ABOVE DROP CEILING) - SEE COMCHECK.
 - (77) BATT INSULATION - R23 OR FIBERFILL INSULATION - EQUAL TO OPTIMA.
 - (78) TAPERED RIGID INSULATION (1" MIN.)
 - (79) 2" RIGID INSULATION - R10
 - (710) PVC ROOF MEMBRANE - SEE SPECIFICATION TRAFFIC BEARING ROOF DECK SURFACE (CLASS B RATED) (PROVIDE EPDM ALTERNATE BID)
 - (711) 1/4" ROOF COVER BOARD.
 - (712) WATER PROOF MEMBRANE - SEE SPECIFICATIONS.
 - (713) WATER PROOF DECK COATING.
 - (714) STANDING SEAM METAL ROOF SYSTEM INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- DOORS AND WINDOWS**
- (81) HOLLOW METAL DOOR
 - (82) ALUMINUM ENTRY / WINDOW SYSTEM.
 - (83) VINYL WINDOW (SLIDING OR SINGLE HUNG) - SEE PLAN AND ELEVATIONS FOR SIZES / OPERATION.
 - (84) VINYL SLIDING DOOR SYSTEM.
- FINISHES**
- (91) 5/8" TYPE "X" GYP BOARD.
 - (92) (1) LAYER OF 5/8" TYPE "C" GYP BOARD (SKIP TROWEL TEXTURED AND PAINTED) OVER 1/2" RESILIENT CHANNEL (1-HOUR RATED CEILING)
 - (96) (1) LAYER 5/8" TYPE "X" GYP BO EACH SIDE OF WALL (1-HOUR RATED WALL)

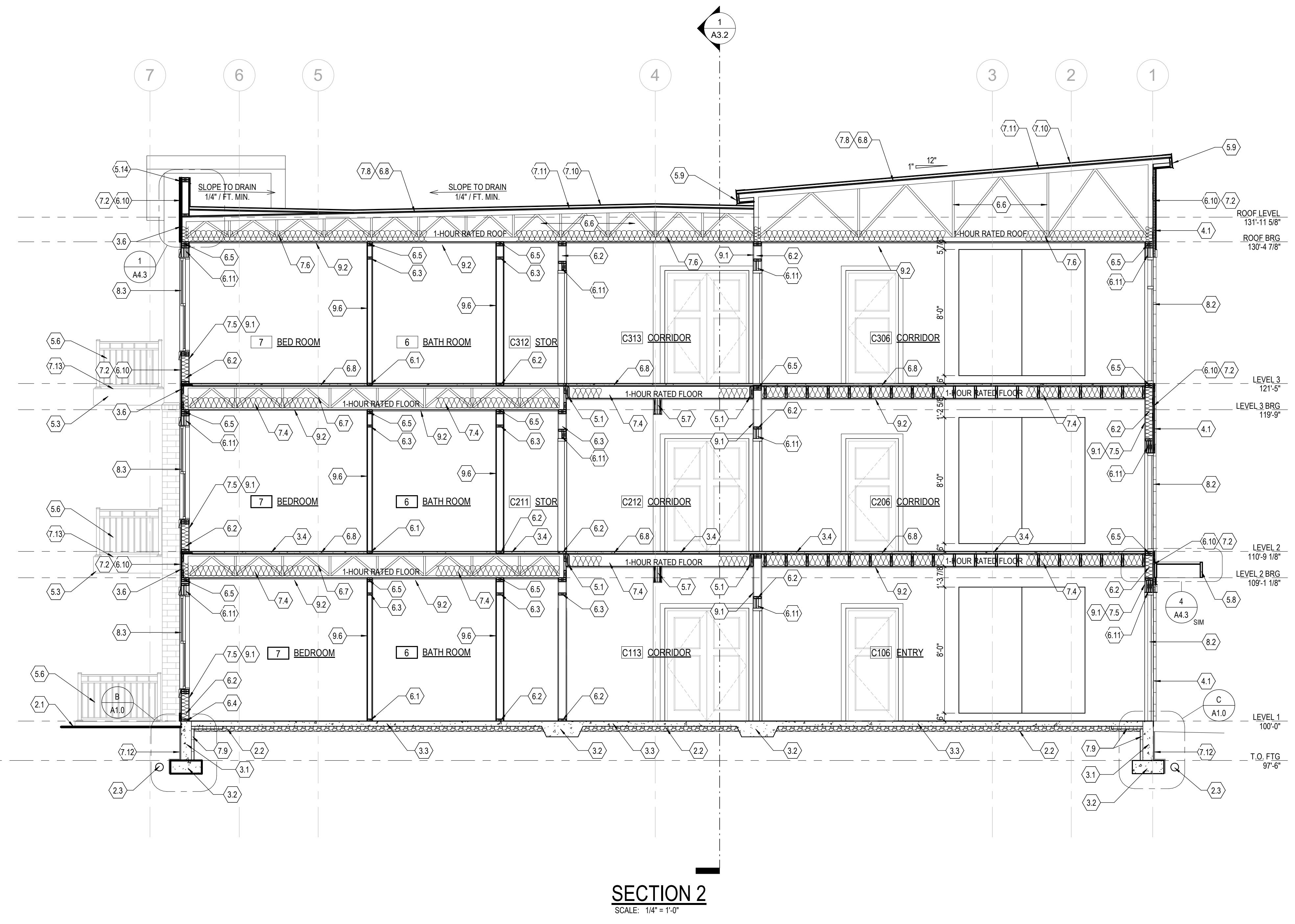
DRAWN BY
Author

HARRIS ARCHITECTURE
3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
BUILDING CUT SECTIONS



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\file\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt
 9/25/2019 4:12:52 PM



SECTION 2
SCALE: 1/4" = 1'-0"

- KEY NOTES**
- SITE CONSTRUCTION**
- (21) FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.
 - (22) ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH.
 - (23) PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.
- CONCRETE**
- (31) CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.
 - (32) CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.
 - (33) 4" REINFORCED CONCRETE SLAB ON GRADE - SEE STRUCTURAL DRAWINGS.
 - (34) 1" GYPCRETE (SEALED WHERE FLOOR FINISH REQUIRES GLUE DOWN OVER 1/4" SOUND REDUCTION MAT (IF OWNER CHOOSES TO ELIMINATE SOUND MAT THE GYPCRETE MUST CHANGE TO 1 1/4")
 - (36) CEMENT BOARD SIDING.
 - (37) 2 1/2" REINFORCED CONCRETE OVER WOOD SUB FLOOR - SEE STRUCTURAL DRAWINGS.
- MASONRY**
- (41) BRICK (SEE MFR ATTACHMENT DETAILS)
- METALS**
- (51) SIMPSON HANGER - SEE STRUCTURAL DRAWINGS.
 - (52) PREFINISHED METAL FLASHING.
 - (53) WOOD FRAMED DECK - SEE DETAIL 2/A3.5 AND STRUCT.
 - (54) STEEL HANDRAILING (PAINTED) - +36" FROM NOSING - SEE DETAIL B/A3.4
 - (55) CONCRETE - FILLED STEEL PAN TREADS AND STEEL RISERS (PAINTED)
 - (56) STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) - 42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL - OUTS AND CONNECTION DETAILS).
 - (57) BEAM - SEE STRUCT.
 - (58) STEEL CANOPY (PAINTED) - SEE STRUCT. FOR ATTACHMENT.
 - (59) PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW)
 - (64) PRE-FINISHED ALUMINUM PARAPET CAP
 - (68) 30"x26" ROOF ACCESS HATCH. SEE DETAILS ON SHEET A4.4
 - (69) ROOF ACCESS LADDER
- WOOD AND PLASTICS**
- (61) 2x4 STUDS - SEE STRUCT. FOR SPACING.
 - (62) 2x6 STUDS - SEE STRUCT. FOR SPACING.
 - (63) BLOCKING - SEE STRUCT.
 - (64) 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING.
 - (65) DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.
 - (66) PRE-MANUFACTURED ROOF TRUSS - SEE STRUCT. FOR SPACING.
 - (67) 18" DEEP TRUSS - SEE STRUCT. FOR SERIES & SPACING.
 - (68) 3/4" T&G SHEATHING NAIL AND GLUE.
 - (69) BLOCKING AT +8'-0" AND AT CEILING.
 - (69) WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS.
 - (70) WOOD BEAM / HEADER - SEE STRUCT DRAWINGS.
- THERMAL & MOISTURE**
- (71) STUCCO - HARD COAT
 - (72) CONTINUOUS AIR BARRIER - TYP/EX COMMERCIAL WRAP "D" OR APPROVED EQUAL (TAPE AND SEAL SEAMS & PENETRATIONS) TYP. AT EXTERIOR WALLS. (AT GENERAL CONTRACTORS OPTION: A FLUID APPLIED AIR BARRIER MAY BE USED IN LIEU)
 - (74) BATT INSULATION - R19.
 - (75) 6 MIL POLYETHYLENE MOISTURE BARRIER W/ JOINTS LAPPED PER SPECIFICATIONS.
 - (76) BATT INSULATION - FILL VOID OF JOIST R19 MIN (FSK BATTS ABOVE DROP CEILING) - SEE COMCHECK.
 - (77) BATT INSULATION - R23 OR FIBERFILL INSULATION - EQUAL TO OPTIMA.
 - (78) TAPERED RIGID INSULATION (1" MIN.)
 - (79) 2" RIGID INSULATION - R10
 - (79) PVC ROOF MEMBRANE - SEE SPECIFICATION TRAFFIC BEARING ROOF DECK SURFACE (CLASS B RATED) (PROVIDE EPDM ALTERNATE BID)
 - (11) 1/4" ROOF COVER BOARD.
 - (12) WATER PROOF MEMBRANE - SEE SPECIFICATIONS.
 - (13) WATER PROOF DECK COATING.
 - (14) STANDING SEAM METAL ROOF SYSTEM INSTALLED PER MANUFACTURES RECOMMENDATIONS.
- DOORS AND WINDOWS**
- (41) HOLLOW METAL DOOR
 - (82) ALUMINUM ENTRY / WINDOW SYSTEM.
 - (83) VINYL WINDOW (SLIDING OR SINGLE HUNG) - SEE PLAN AND ELEVATIONS FOR SIZES / OPERATION.
 - (84) VINYL SLIDING DOOR SYSTEM.
- FINISHES**
- (81) 5/8" TYPE "X" GYP BOARD.
 - (92) (1) LAYER OF 5/8" TYPE "C" GYP BOARD (SKIP TROWEL TEXTURED AND PAINTED) OVER 1/2" RESILIENT CHANNEL (1-HOUR RATED CEILING)
 - (96) (1) LAYER 5/8" TYPE "X" GYP BO EACH SIDE OF WALL (1-HOUR RATED WALL)

REVISIONS

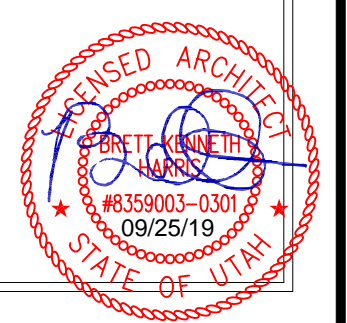
DRAWN BY
Author

HARRIS ARCHITECTURE
3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

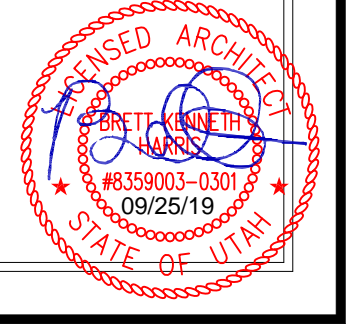
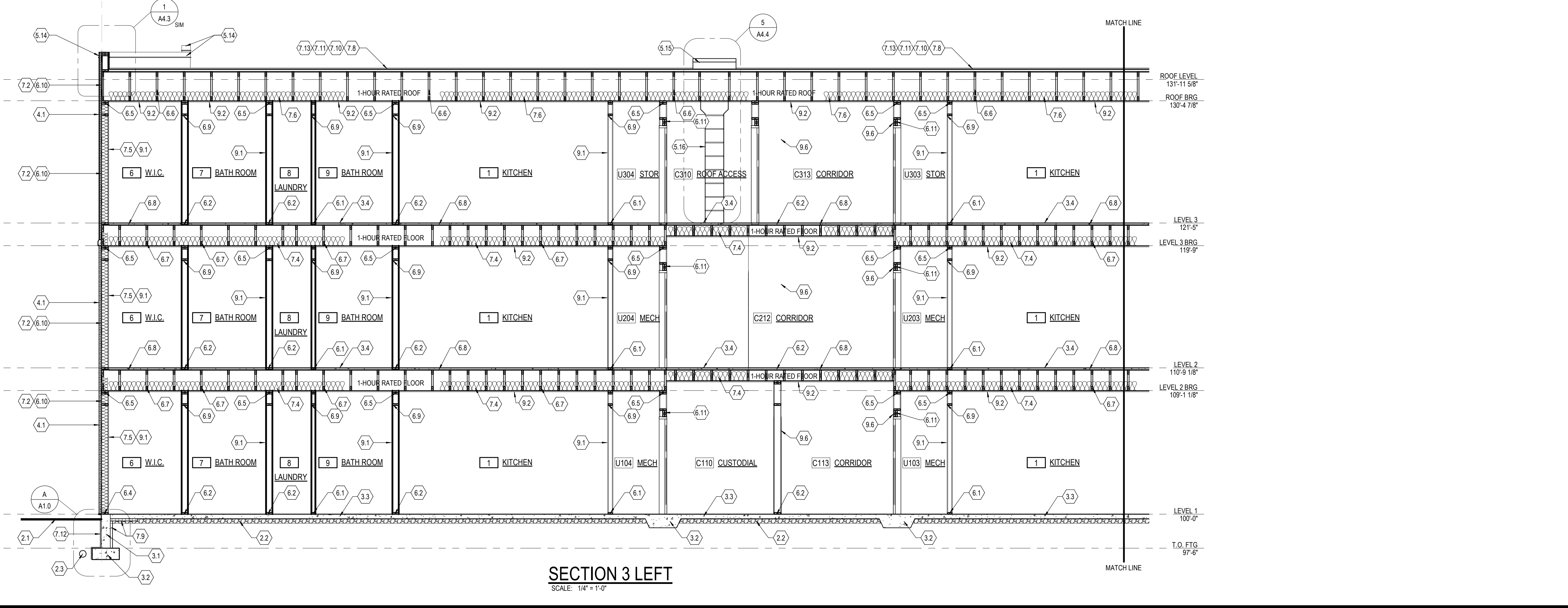
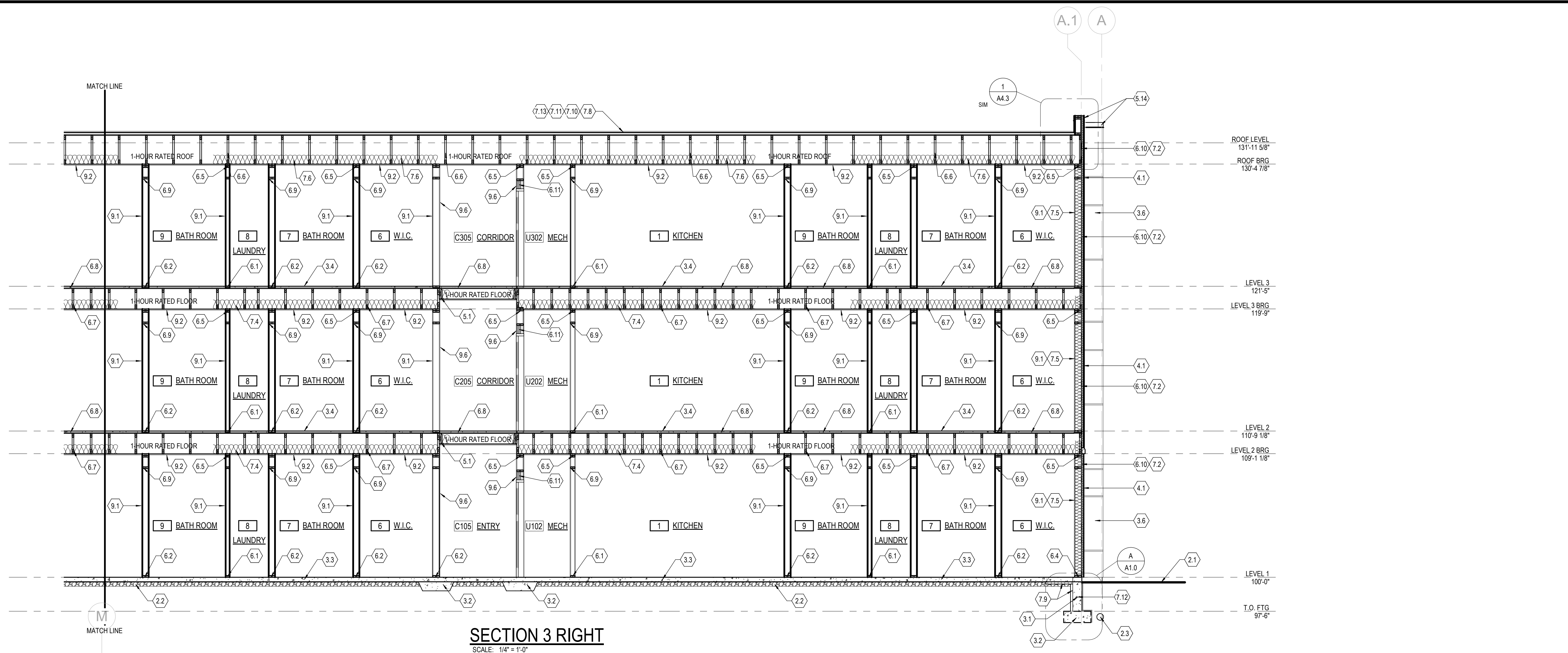
30th STREET APARTMENTS
BUILDING CUT SECTIONS

09/26/2019

A3.1



- KEY NOTES**
- SITE CONSTRUCTION**
- (21) FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.
 - (22) ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH.
 - (23) PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.
- CONCRETE**
- (31) CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.
 - (32) CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.
 - (33) 4" REINFORCED CONCRETE SLAB ON GRADE - SEE STRUCTURAL DRAWINGS.
 - (34) 1" GYPCRETE (SEALED WHERE FLOOR FINISH REQUIRES GLUE DOWN OVER 1/4" SOUND REDUCTION MAT (IF OWNER CHOOSES TO ELIMINATE SOUND MAT THE GYPCRETE MUST CHANGE TO 1 1/4")
 - (36) CEMENT BOARD SIDING.
 - (37) 2 1/2" REINFORCED CONCRETE OVER WOOD SUB FLOOR - SEE STRUCTURAL DRAWINGS.
- MASONRY**
- (41) BRICK (SEE MFR ATTACHMENT DETAILS)
- METALS**
- (43) SIMPSON HANGER - SEE STRUCTURAL DRAWINGS.
 - (42) PREFINISHED METAL FLASHING.
 - (53) WOOD FRAMED DECK - SEE DETAIL 2/A3.5 AND STRUCT.
 - (54) STEEL HANDRAILING (PAINTED) - +36" FROM NOSING - SEE DETAIL 6/A3.4
 - (45) CONCRETE - FILLED STEEL PAN TREADS AND STEEL RISERS (PAINTED)
 - (56) STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) - 42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL - OUTS AND CONNECTION DETAILS)
 - (47) BEAM - SEE STRUCT.
 - (48) STEEL CANOPY (PAINTED) - SEE STRUCT. FOR ATTACHMENT.
 - (55) PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW)
 - (54) PRE-FINISHED ALUMINUM PARAPET CAP
 - (49) 30"x36" ROOF ACCESS HATCH. SEE DETAILS ON SHEET A4.4
 - (50) ROOF ACCESS LADDER
- WOOD AND PLASTICS**
- (61) 2x4 STUDS - SEE STRUCT. FOR SPACING.
 - (62) 2x6 STUDS - SEE STRUCT. FOR SPACING.
 - (63) BLOCKING - SEE STRUCT.
 - (64) 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING.
 - (65) DOUBLE - 2x TOP PLATE 48" LAP SPICE MIN.
 - (66) PRE-MANUFACTURED ROOF TRUSS - SEE STRUCT. FOR SPACING.
 - (67) 18" DEEP TRUSS - SEE STRUCT. FOR SERIES & SPACING.
 - (68) 3/4" T&G SHEATHING NAIL AND GLUE.
 - (69) BLOCKING AT +8'-0" AND AT CEILING.
 - (610) WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS.
 - (611) WOOD BEAM / HEADER - SEE STRUCT DRAWINGS.
- THERMAL & MOISTURE**
- (71) STUCCO - HARD COAT.
 - (72) CONTINUOUS AIR BARRIER - TYPYK COMMERCIAL WRAP "C" OR APPROVED EQUAL. (TAPE AND SEAL SEAMS & PENETRATIONS) TYP. AT EXTERIOR WALLS. (AT GENERAL CONTRACTOR'S OPTION: A FLUID APPLIED AIR BARRIER MAY BE USED IN LIEU)
 - (74) BATT INSULATION - R19.
 - (75) 6 MIL POLYETHYLENE MOISTURE BARRIER W/ JOINTS LAPPED PER SPECIFICATIONS.
 - (76) BATT INSULATION - FILL VOID OF JOIST R48 MIN (FSK BATTS ABOVE DROP CEILING) - SEE COMCHECK.
 - (77) BATT INSULATION - R23 OR FIBERFILL INSULATION - EQUAL TO OPTIMA.
 - (78) TAPERED RIGID INSULATION (1" MIN.)
 - (79) 2" RIGID INSULATION - R10
 - (80) PVC ROOF MEMBRANE - SEE SPECIFICATION TRAFFIC BEARING ROOF DECK SURFACE (CLASS B RATED) (PROVIDE EPM ALTERNATE BID)
 - (81) 1/4" ROOF COVER BOARD.
 - (82) WATER PROOF MEMBRANE - SEE SPECIFICATIONS.
 - (83) WATER PROOF DECK COATING.
 - (84) STANDING SEAM METAL ROOF SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- DOORS AND WINDOWS**
- (41) HOLLOW METAL DOOR
 - (82) ALUMINUM ENTRY / WINDOW SYSTEM.
 - (83) VINYL WINDOW (SLIDING OR SINGLE HUNG) - SEE PLAN AND ELEVATIONS FOR SIZES / OPERATION.
 - (84) VINYL SLIDING DOOR SYSTEM.
- FINISHES**
- (61) 5/8" TYPE "X" GYP BOARD.
 - (82) (1) LAYER OF 5/8" TYPE "C" GYP BOARD (SKIP TROWEL TEXTURED AND PAINTED) OVER 1/2" RESILIENT CHANNEL (1-HOUR RATED CEILING)
 - (86) (1) LAYER 5/8" TYPE "X" GYP BO EACH SIDE OF WALL (1-HOUR RATED WALL)



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt

9/25/2019 4:13:00 PM

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt

REVISIONS

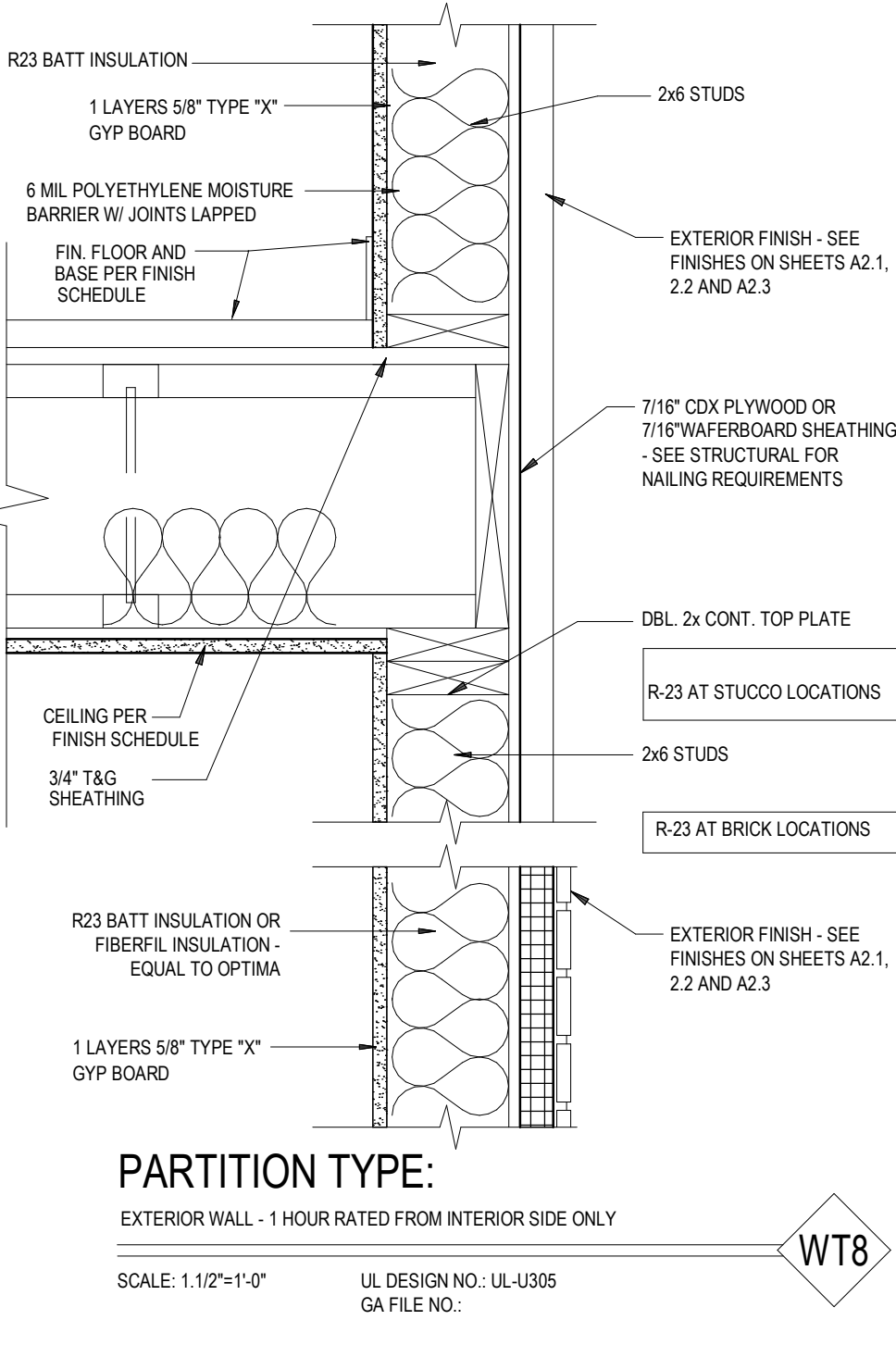
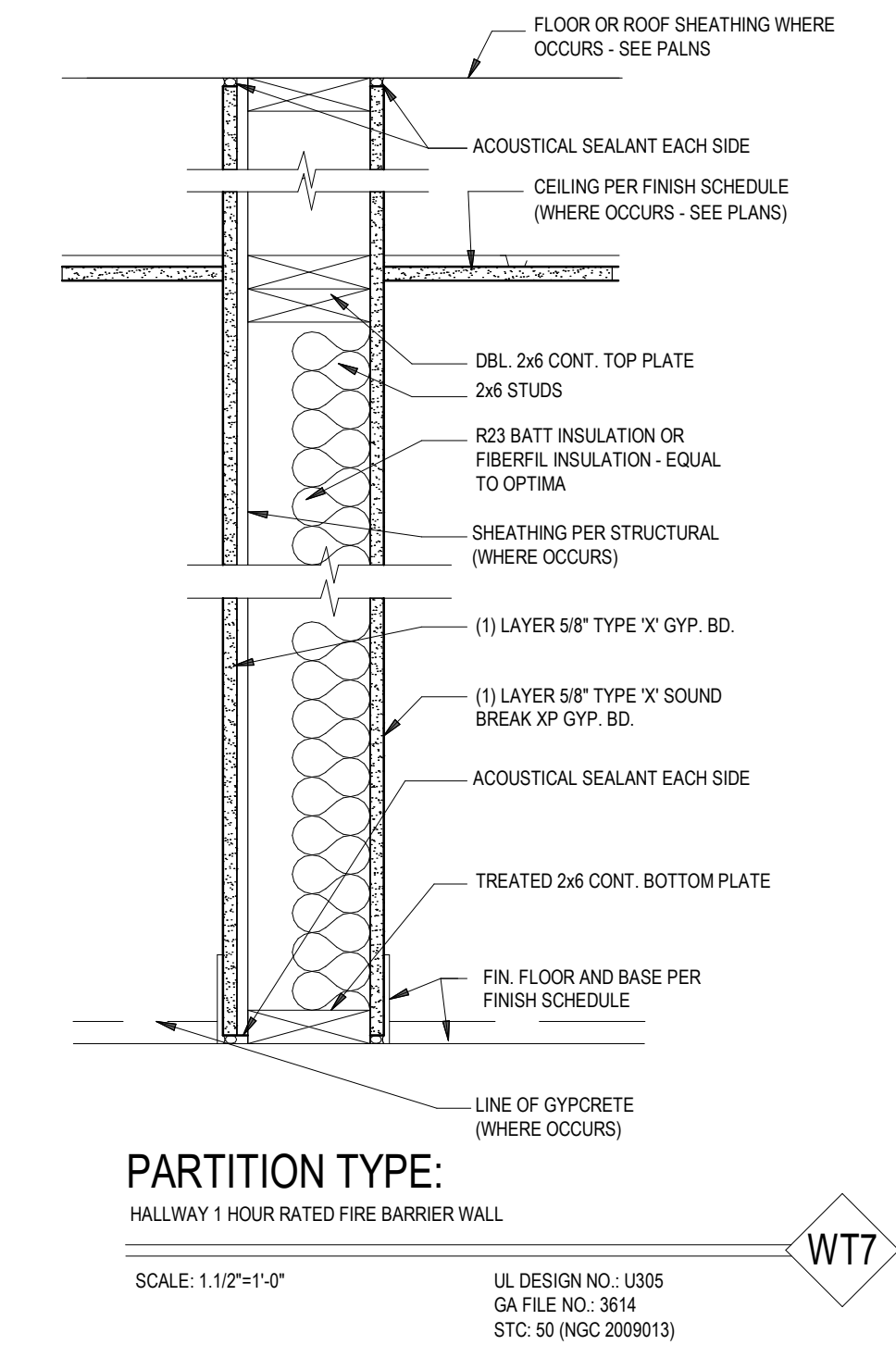
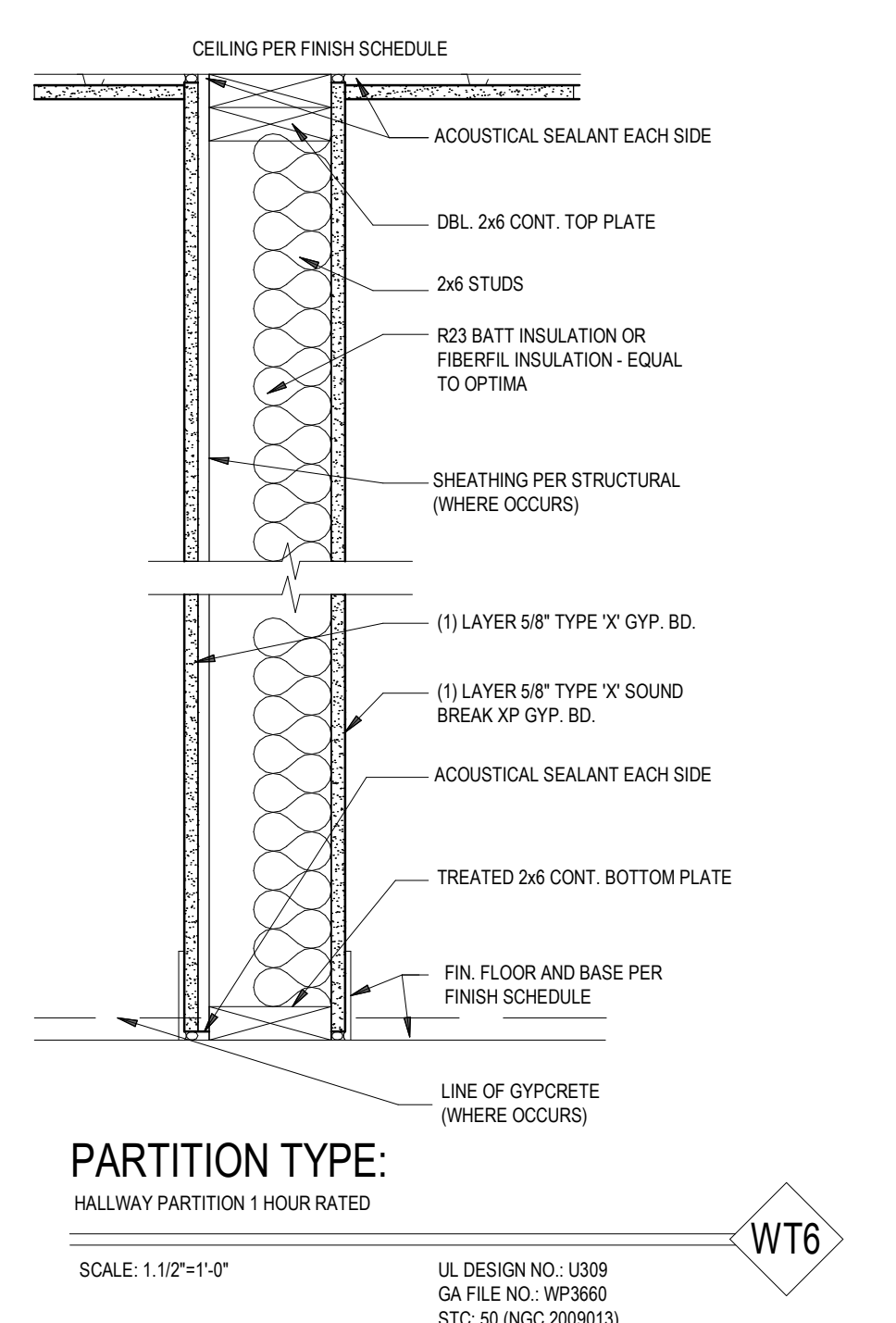
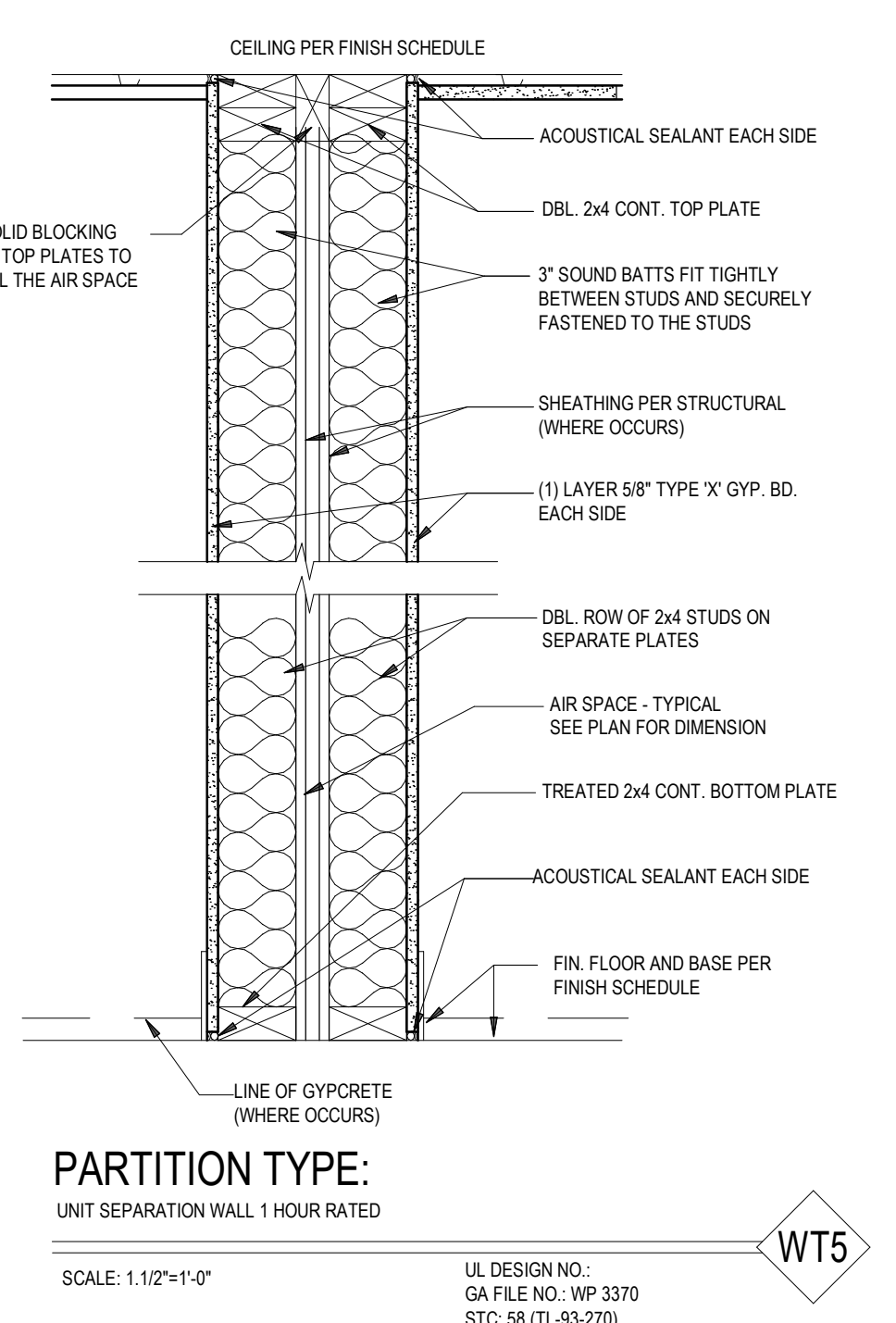
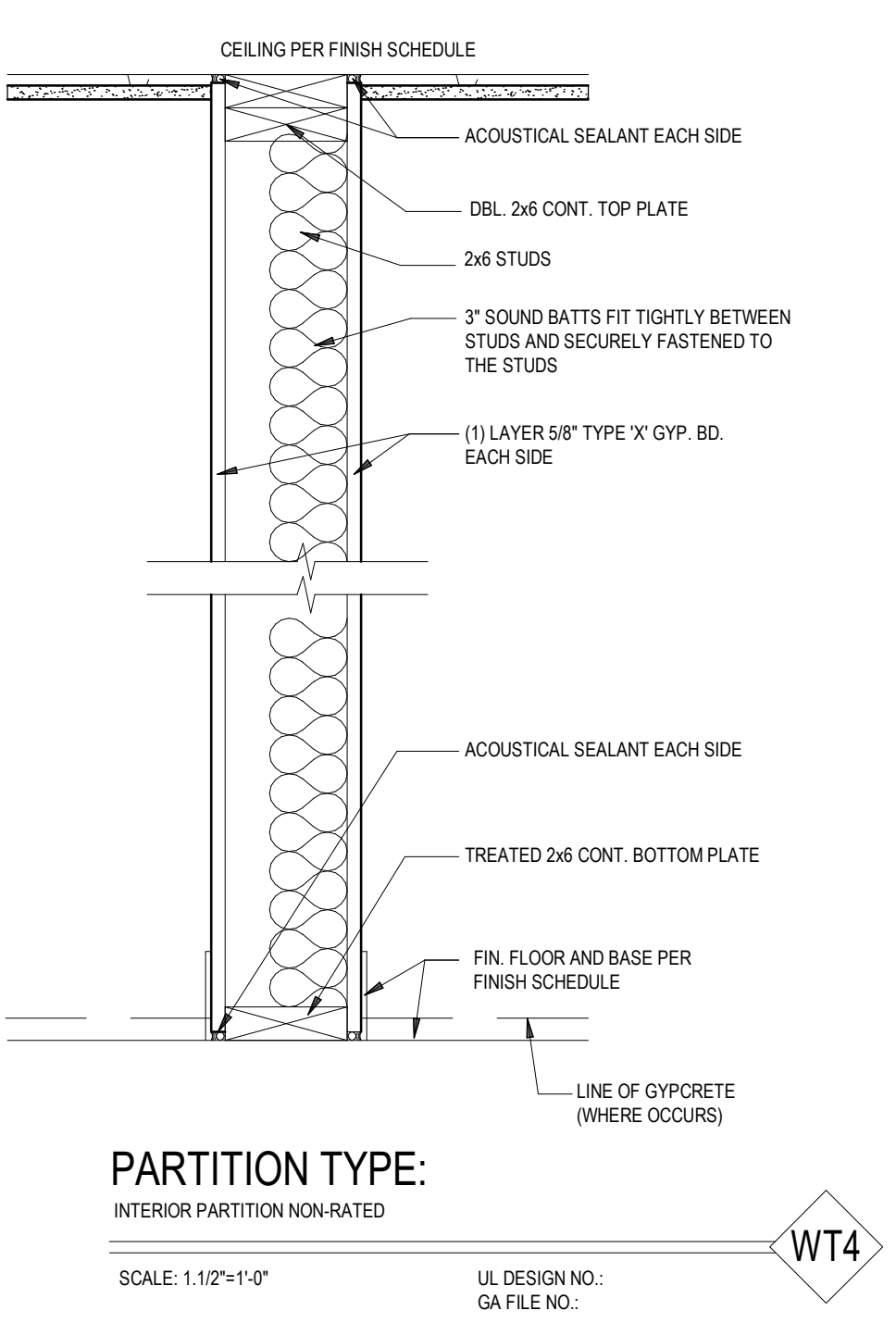
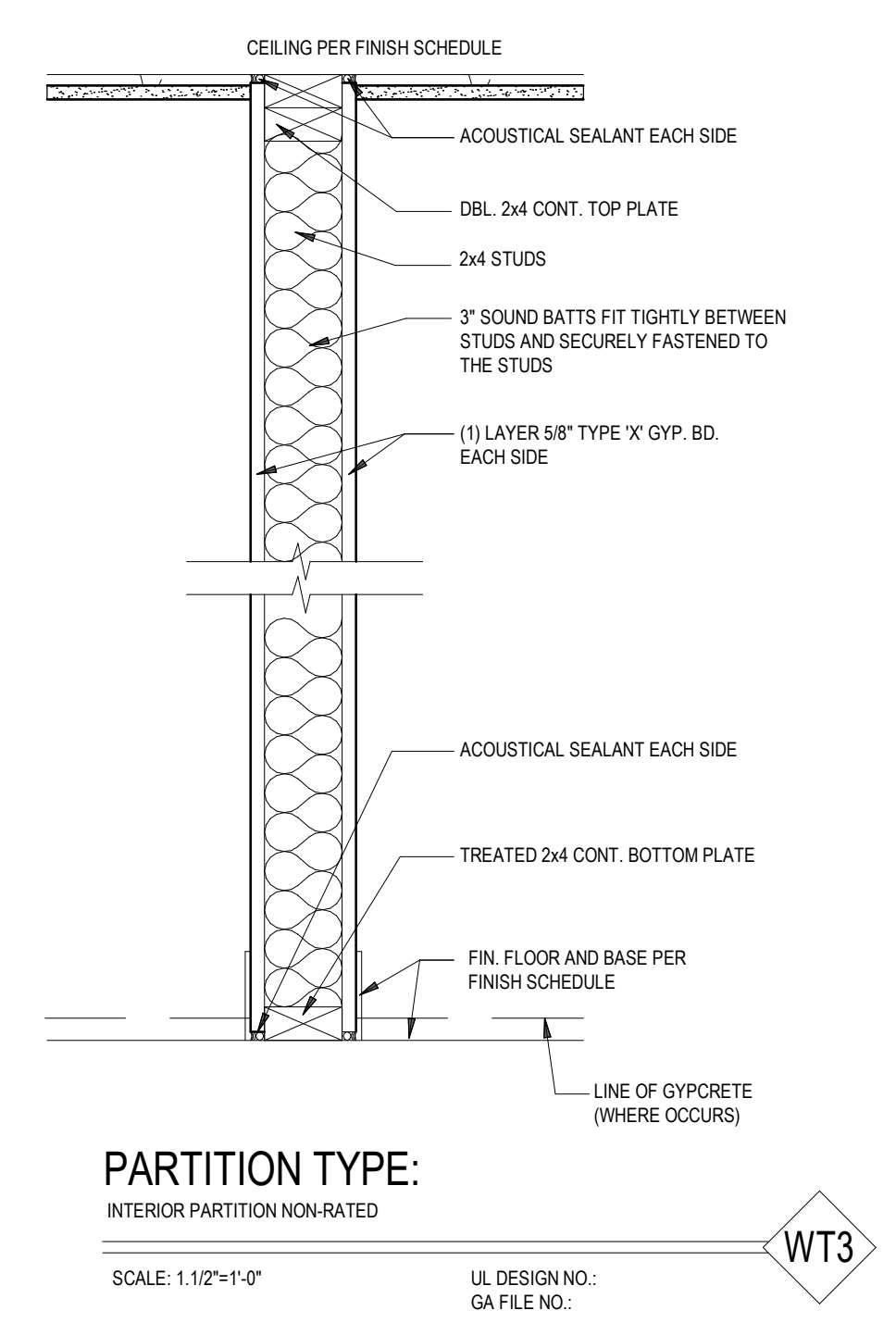
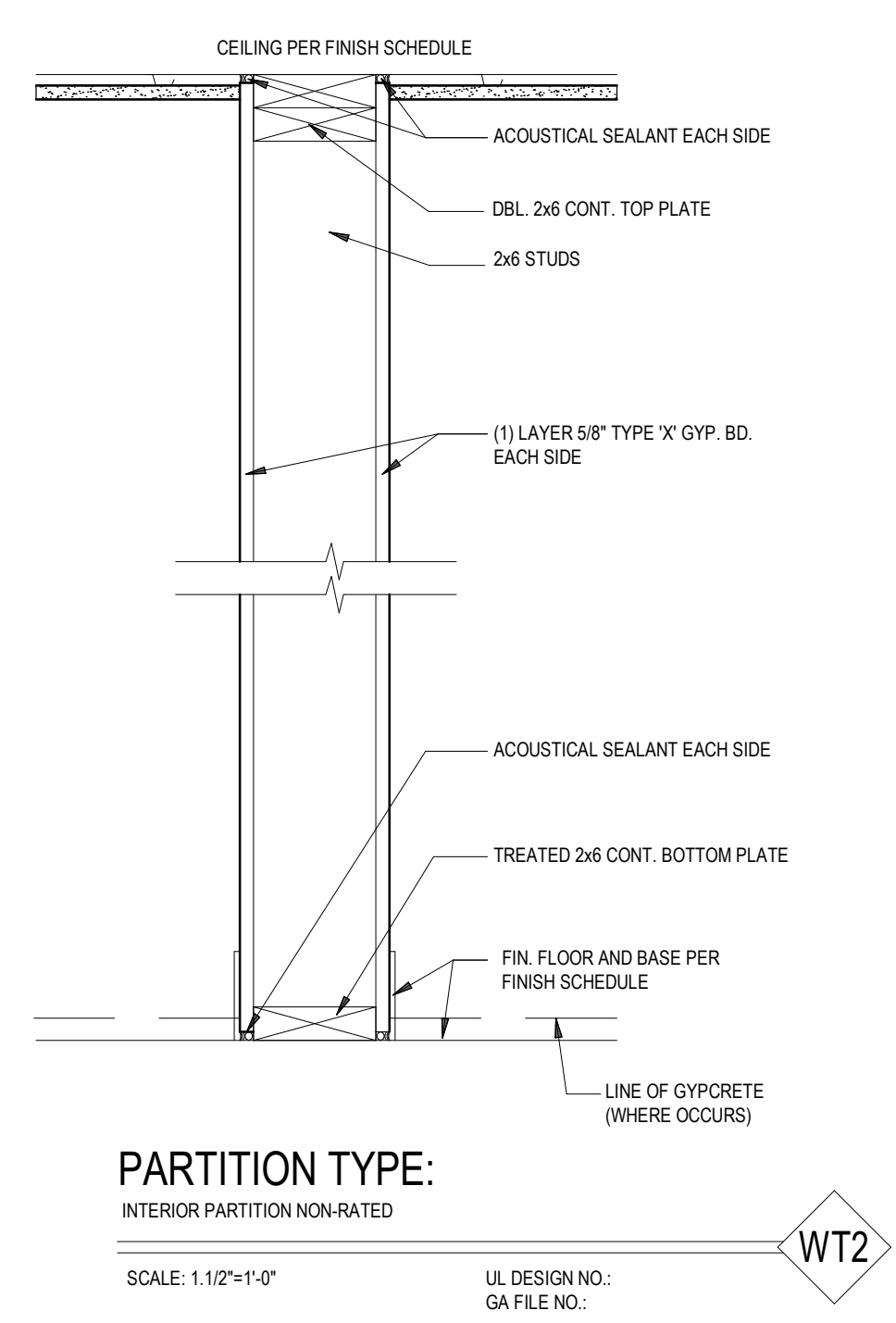
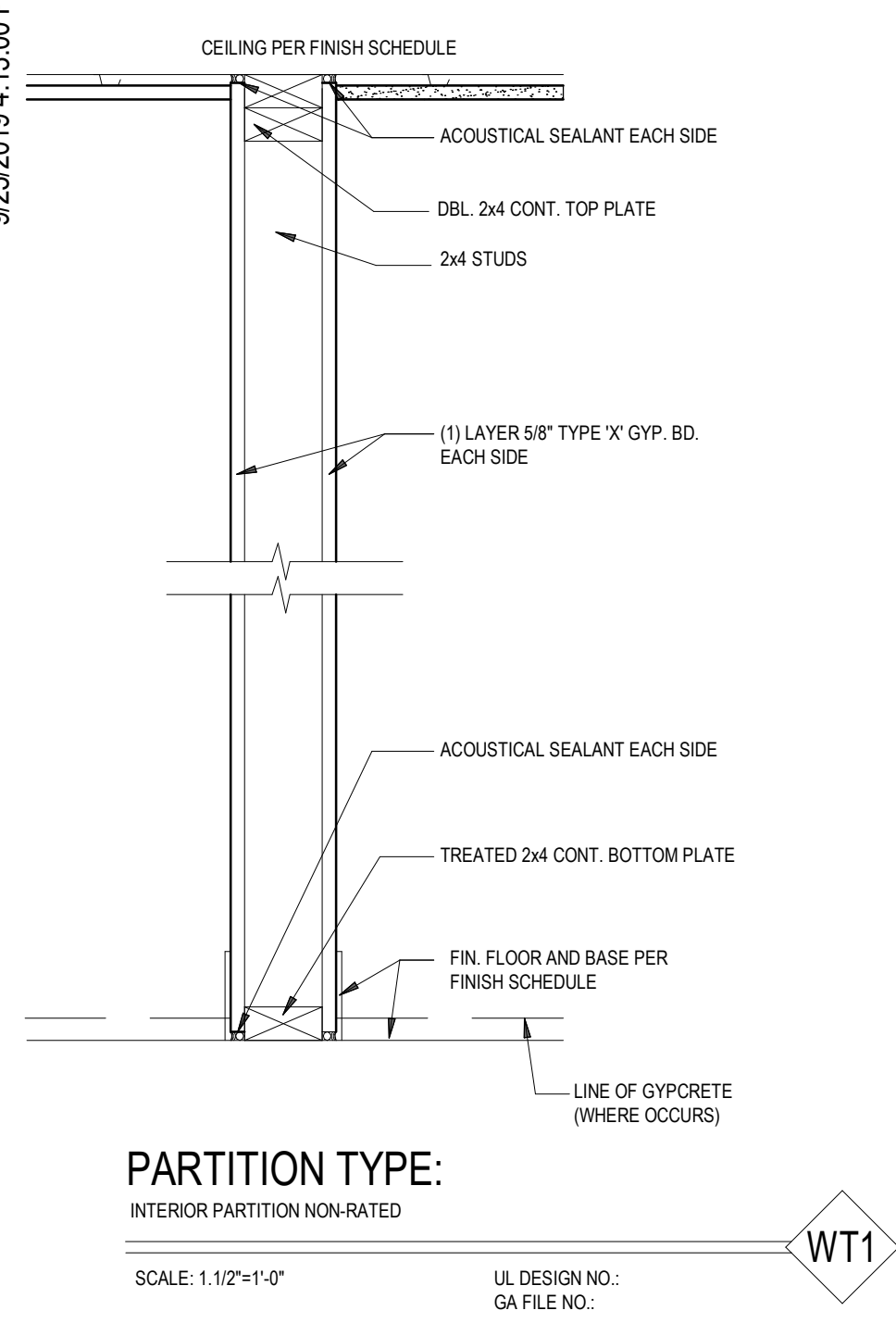
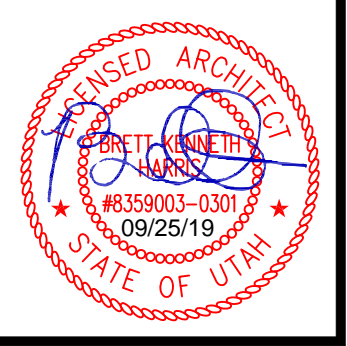
DRAWN BY
Author

HARRIS ARCHITECTURE
3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
WALL TYPES / DETAILS

09/26/2019

A3.3



WALL TYPE DETAILS

SCALE = 1/12"=1'-0"

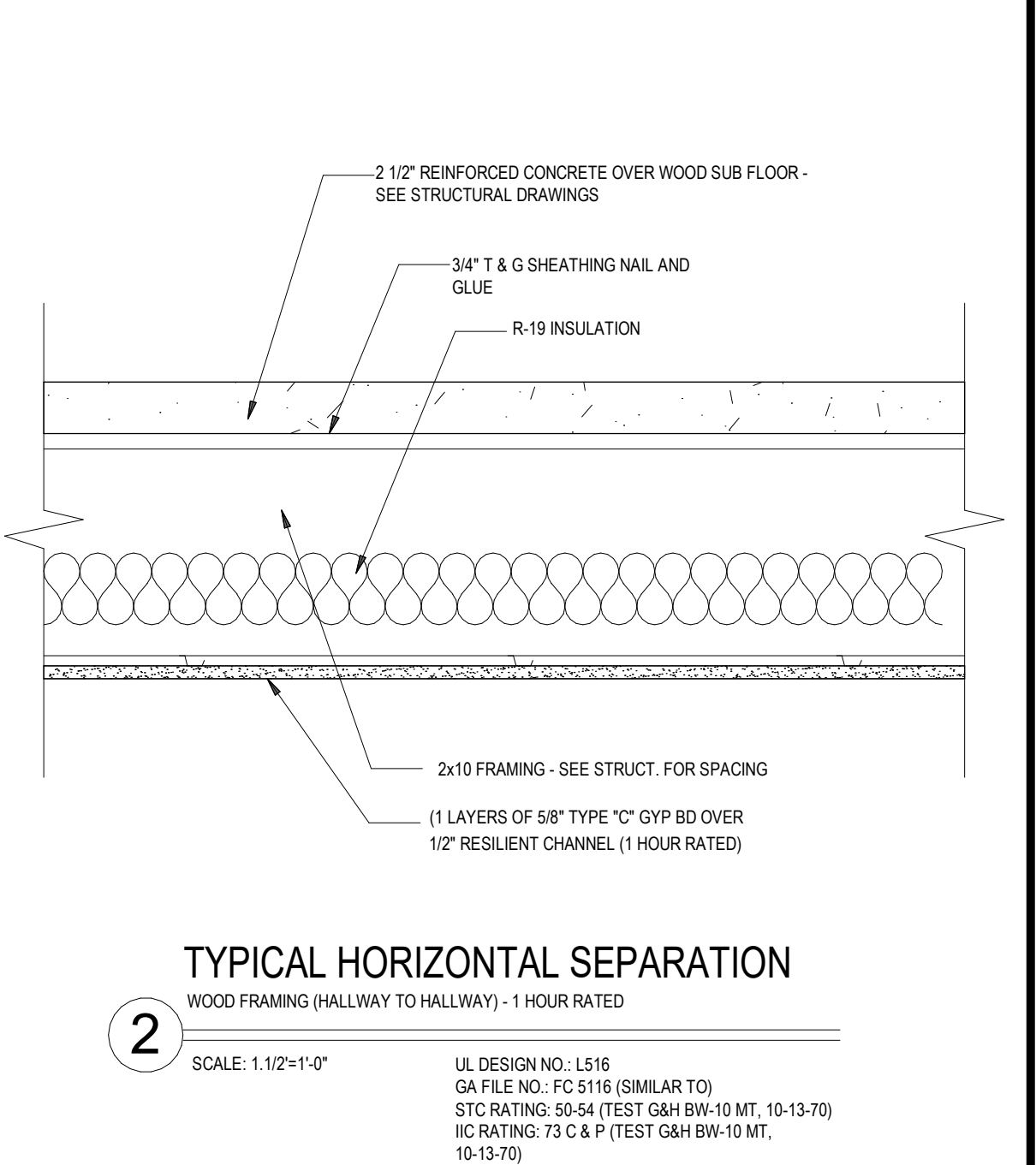
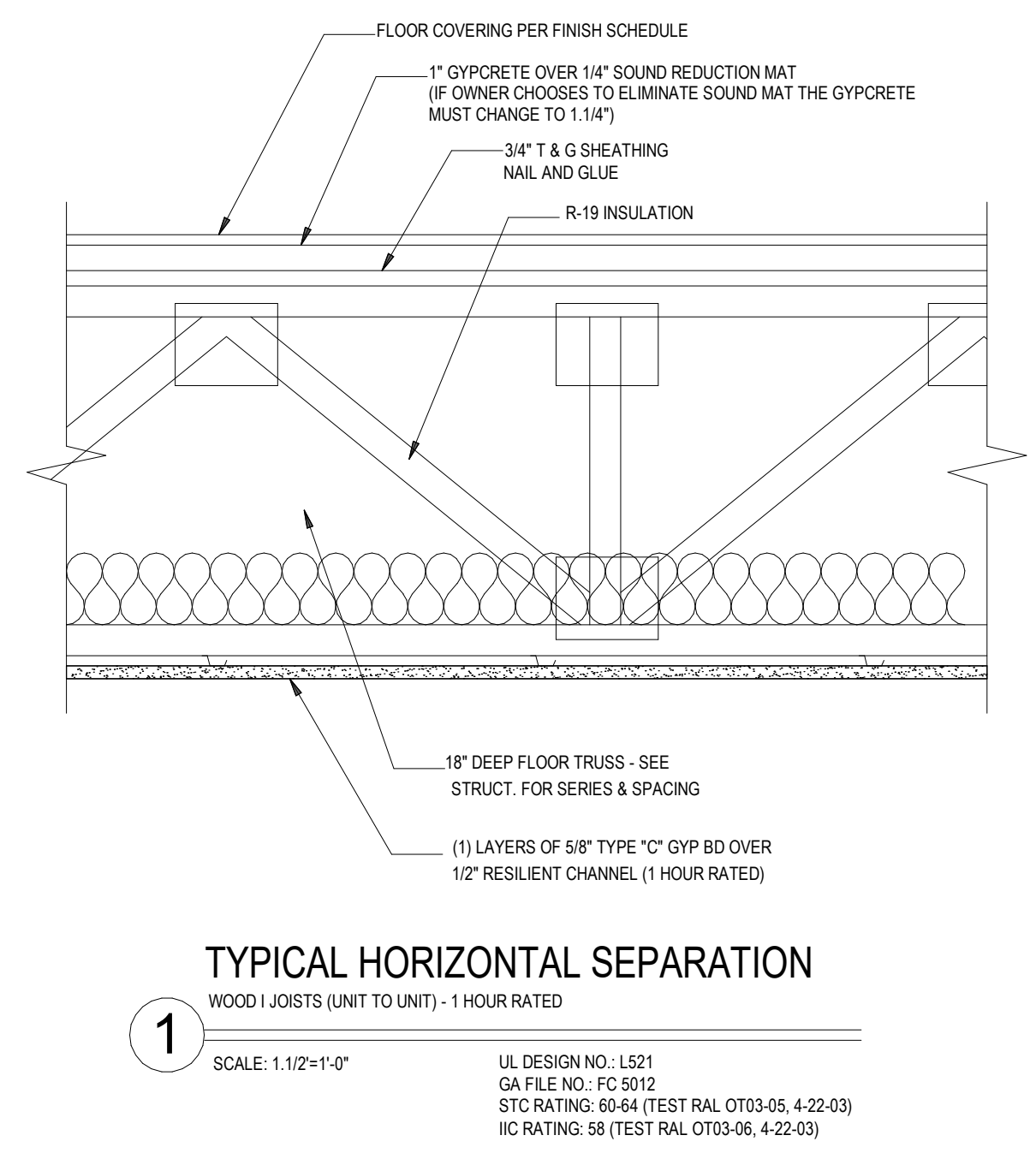
NOTE: SEE STRUCT. DWGS. FOR SPACING OF STUD WALLS AND REINFORCING OF CONCRETE & BLOCK WALLS - TYP.

NOTE: WALL TYPE DETAILS DO NOT SHOW LOCATIONS OF PLYWOOD FOR SHEAR WALLS. SEE STRUCT. DWGS. FOR LOCATIONS OF SHEAR WALLS AND PLACE PLYWOOD WHERE NECESSARY.

NOTE: CEILING TYPES AND LOCATIONS MAY VARY VERIFY EXACT CEILING FINISHES W/ REFLECTED CEILING PLANS

NOTE: PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL BATHROOM WET WALL LOCATIONS

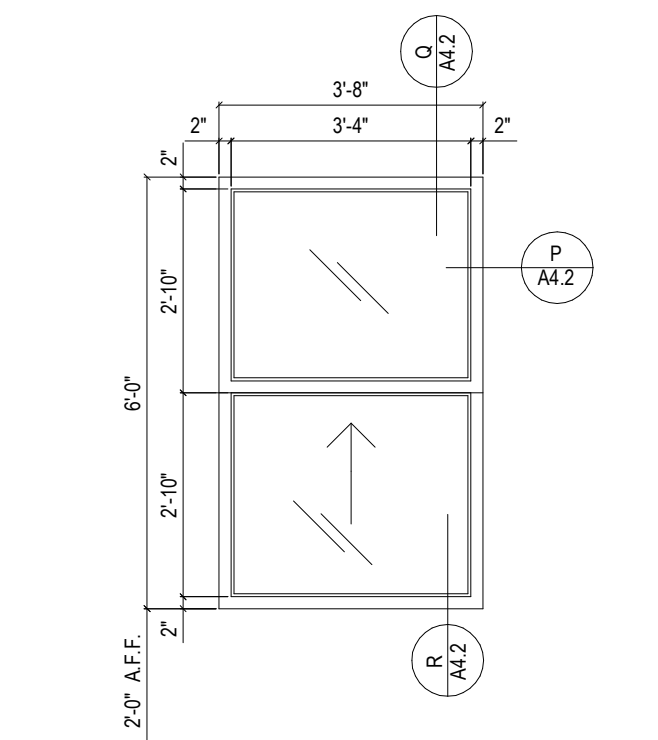
NOTE: ALL FIRE RATED WALL ASSEMBLIES TO BE MARKED AND IDENTIFIED AS PER IBC SECTION 703.7



9/25/2019 4:13:05 PM

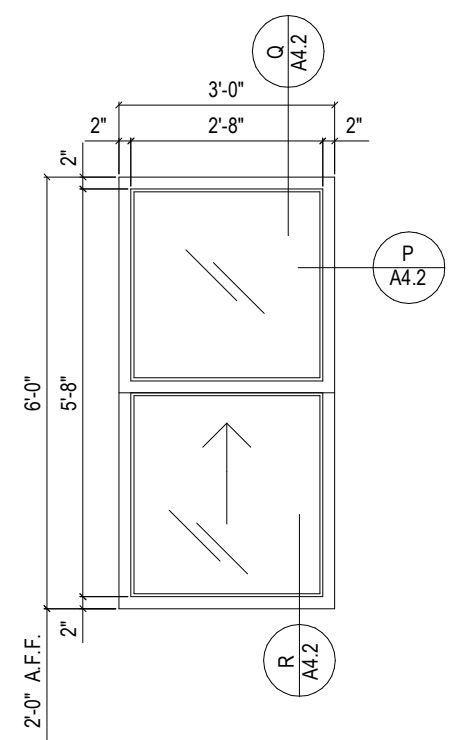
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt

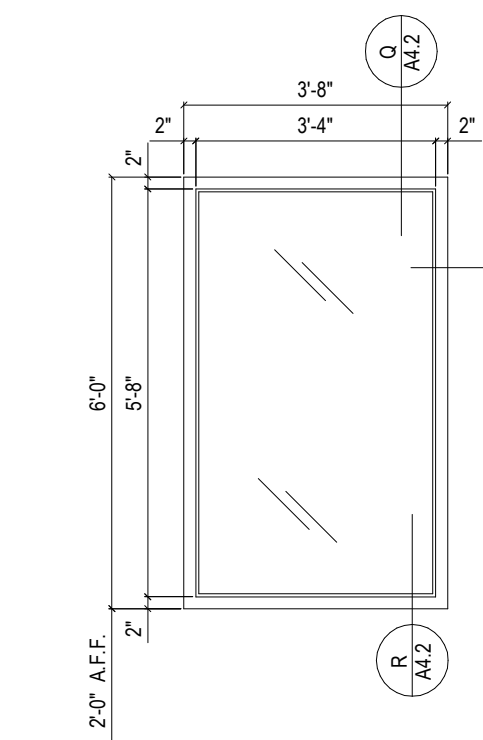


1 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"

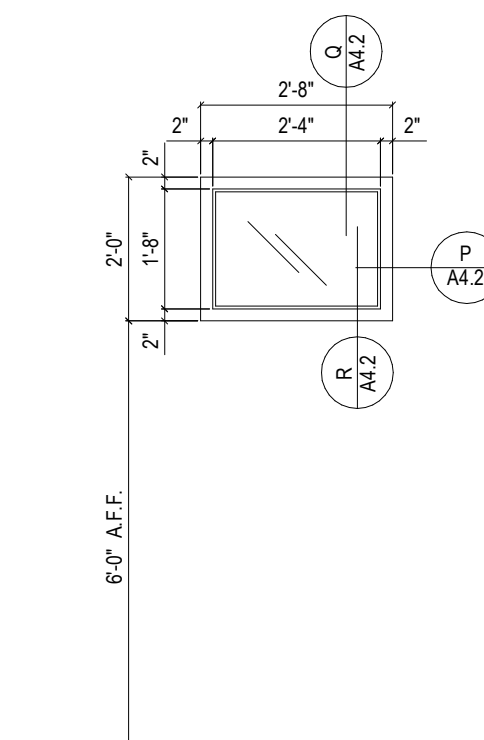
CONTRACTOR TO VERIFY WINDOW OPENING WITH LOCATION OF EXHAUST VENTS. (3" CLEARANCE IS REQUIRED)



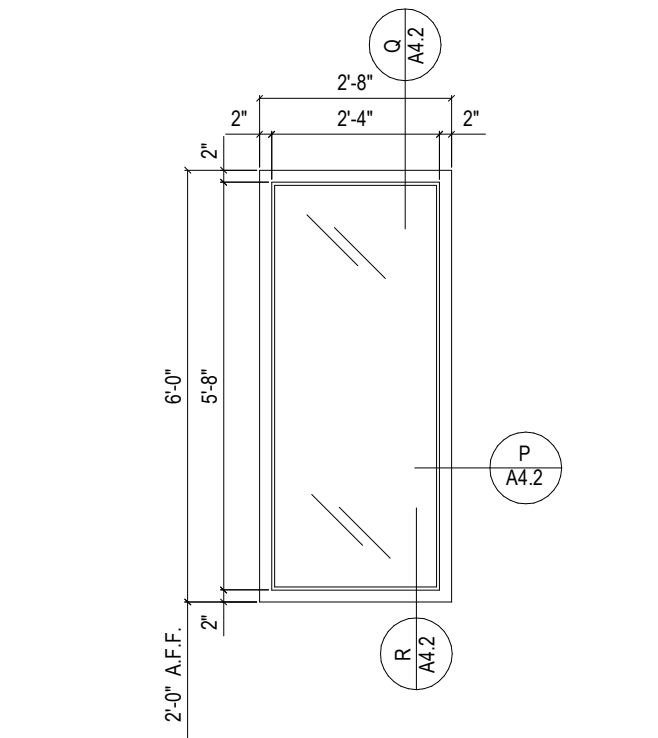
2 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



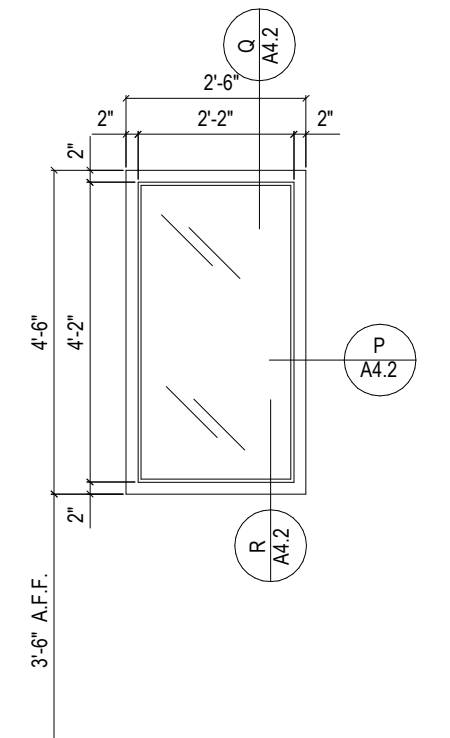
3 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



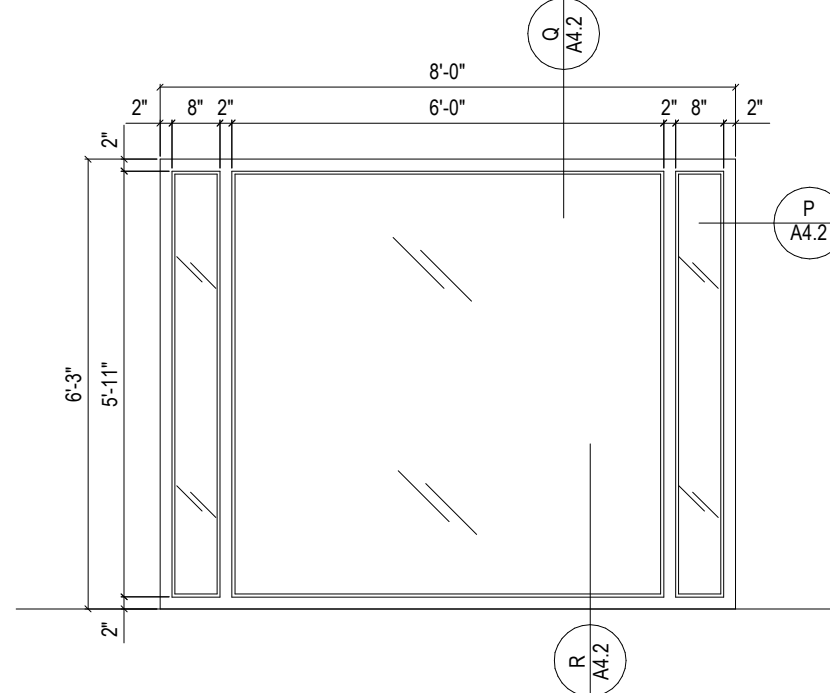
4 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



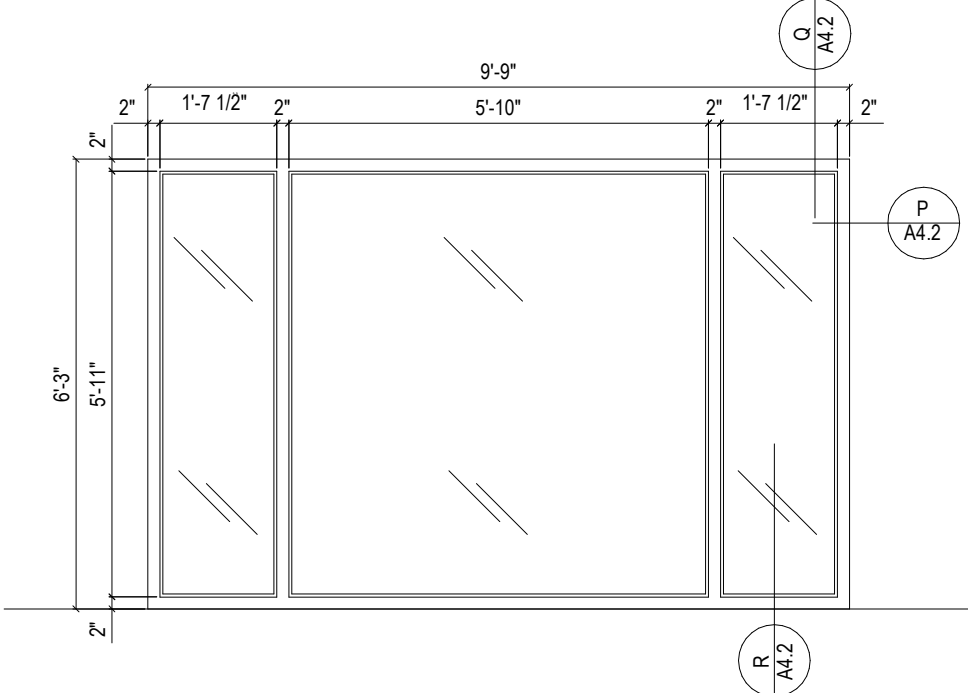
5 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



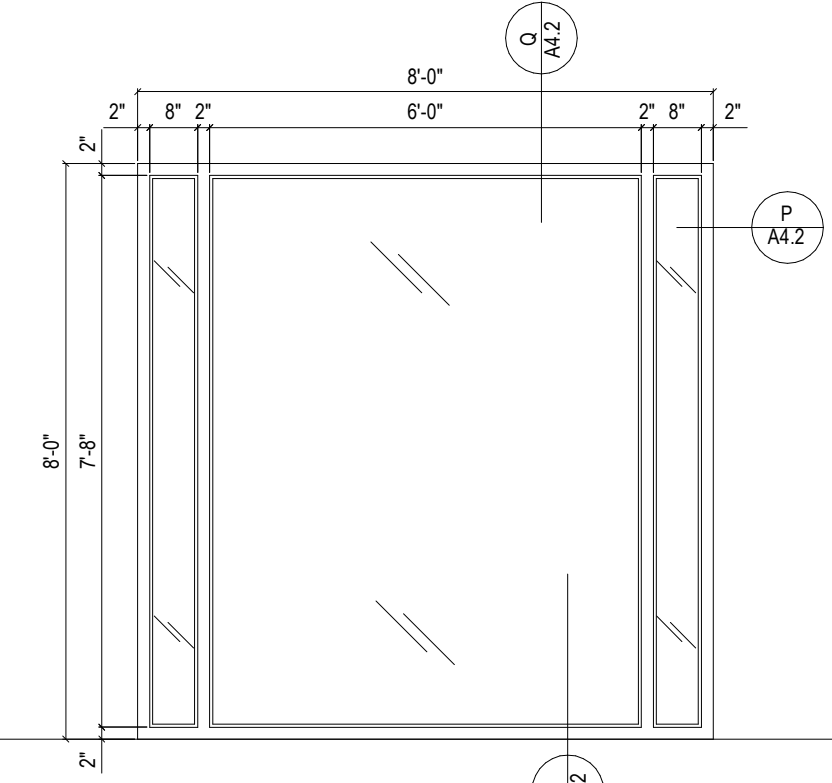
6 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



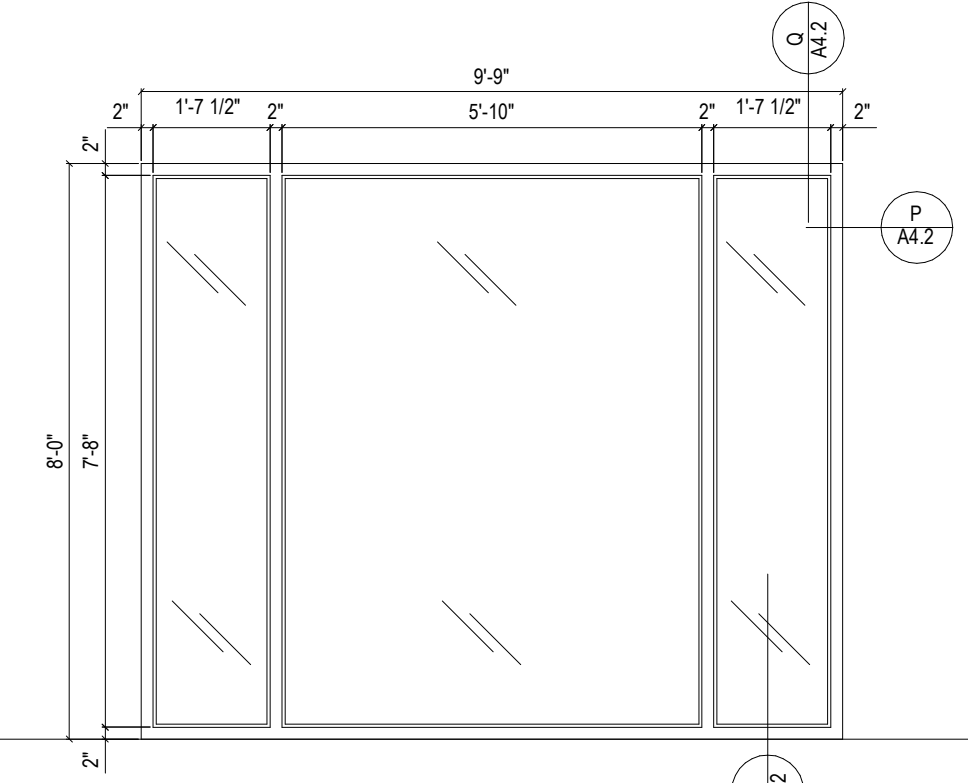
7 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



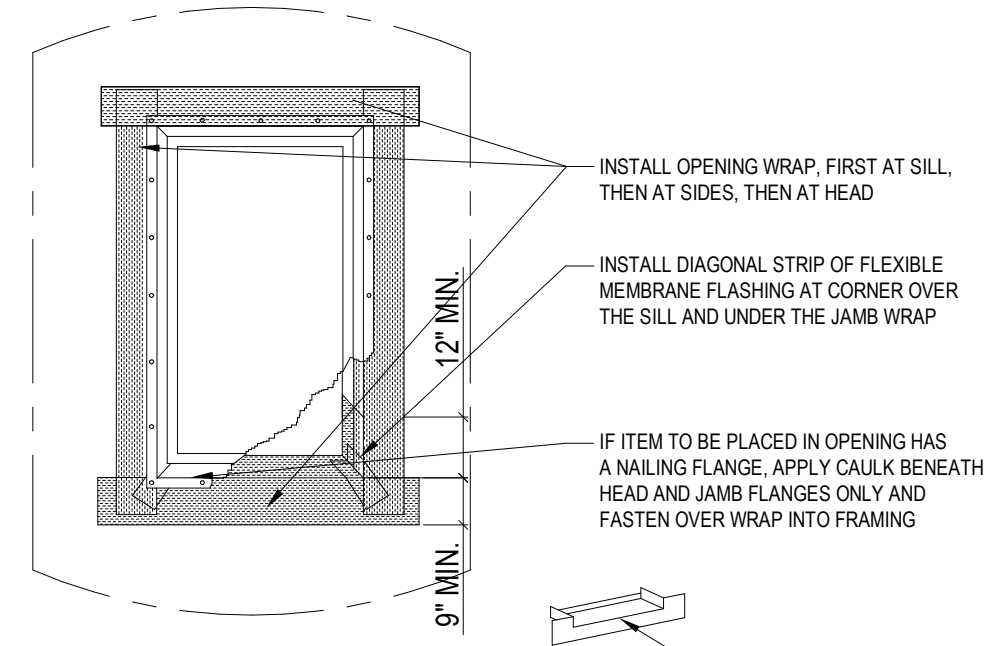
8 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



9 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"



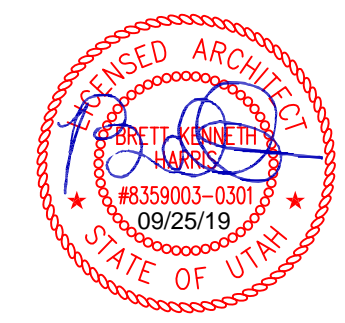
10 WINDOW DETAIL TYPE
EXTERIOR SCALE: 3/8" = 1'-0"

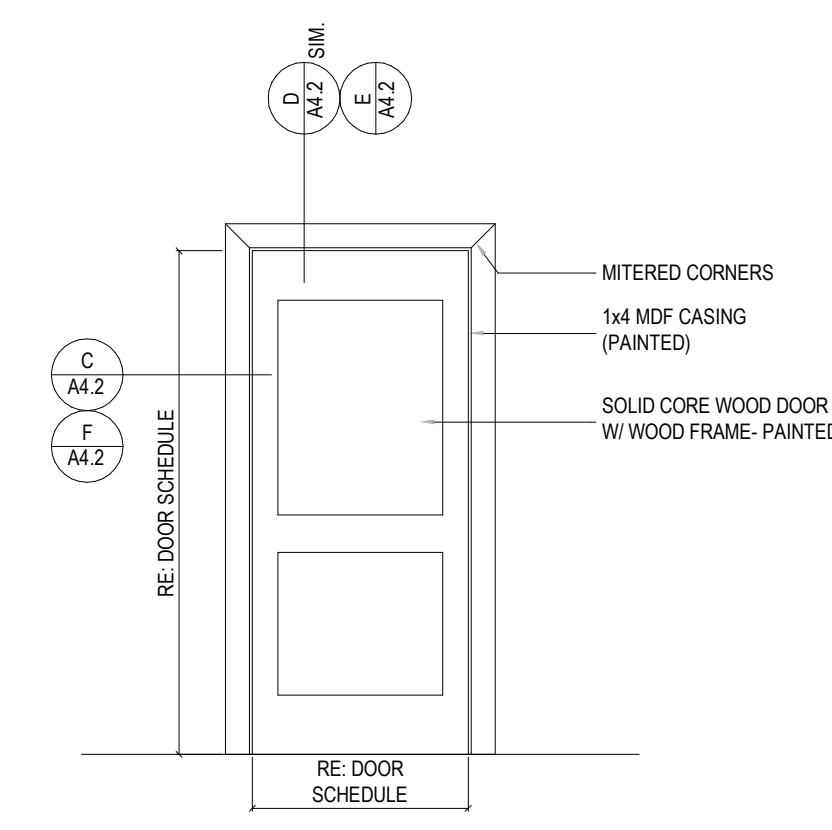


TYPICAL WINDOW FLASHING DETAIL
ALL OTHER WINDOWS SIMILAR - INSTALL IN ACCORDANCE WITH THE MFR.'S LATEST RECOMMENDATIONS

NOTE: TO PREVENT HEAT BUILD-UP AT ALL SPANDREL WINDOW LOCATIONS DRILL 3/4" HOLES @ 12" O/C IN THE STUDS - ALL 4 SIDES AND SURROUNDING SHEATHING TO VENT THE SPACE BEHIND THE WINDOW
NOTE: -VERIFY ALL PANEL STYLES ON DOORS W/ OWNER -ALL HARDWARE TO BE BRUSHED CHROME
-GLAZING REQUIREMENTS - GLAZING TO BE INSULATED, LOW "E" ON ALL SIDES (CLEAR) - TYPICAL U N.O
NOTE: HOLLOW METAL DOOR FRAMES THE DOOR FRAME DETAILS FOR INTERIOR WALLS DO NOT INDICATE THROAT DIMENSION TO INCLUDE ANY SHEAR WALL MATERIAL. IT IS THE RESPONSIBILITY OF THE DOORFRAME SUPPLIER TO REVIEW THE STRUCTURAL SHEAR WALL DRAWINGS AND ACCOUNT FOR ANY INCREASE IN DOOR FRAME THROAT DIMENSION DUE TO SHEAR WALL MATERIAL.

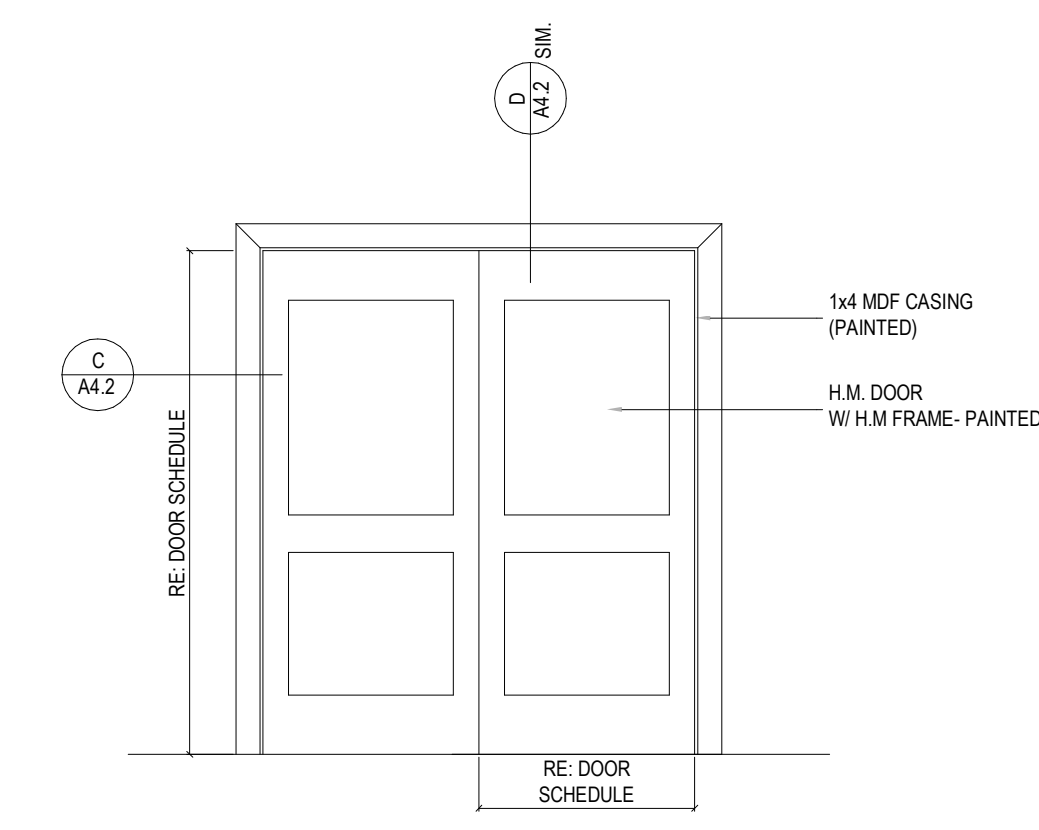
* = TEMPERED GLASS (SEE FLOOR PLANS/ELEVATIONS FOR ADDITIONAL LOCATIONS)
S = SPANDREL GLASS (SEE FLOOR PLANS/ELEVATIONS FOR ADDITIONAL LOCATIONS)
R = RATED GLASS (SEE FLOOR PLANS/ELEVATIONS FOR ADDITIONAL LOCATIONS)





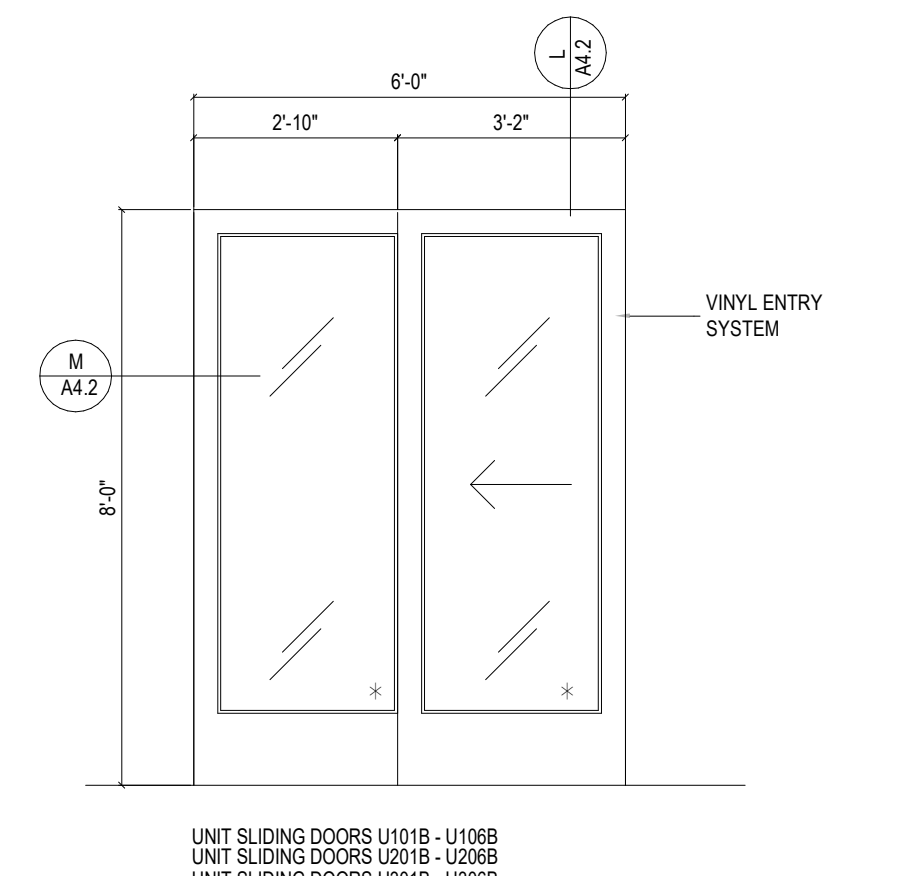
1 DOOR DETAIL TYPE D1
 INTERIOR SCALE: 3/8" = 1'-0"

UNIT ENTRY DOORS U101 - U106
 UNIT ENTRY DOORS U201 - U206
 UNIT ENTRY DOORS U301 - U306



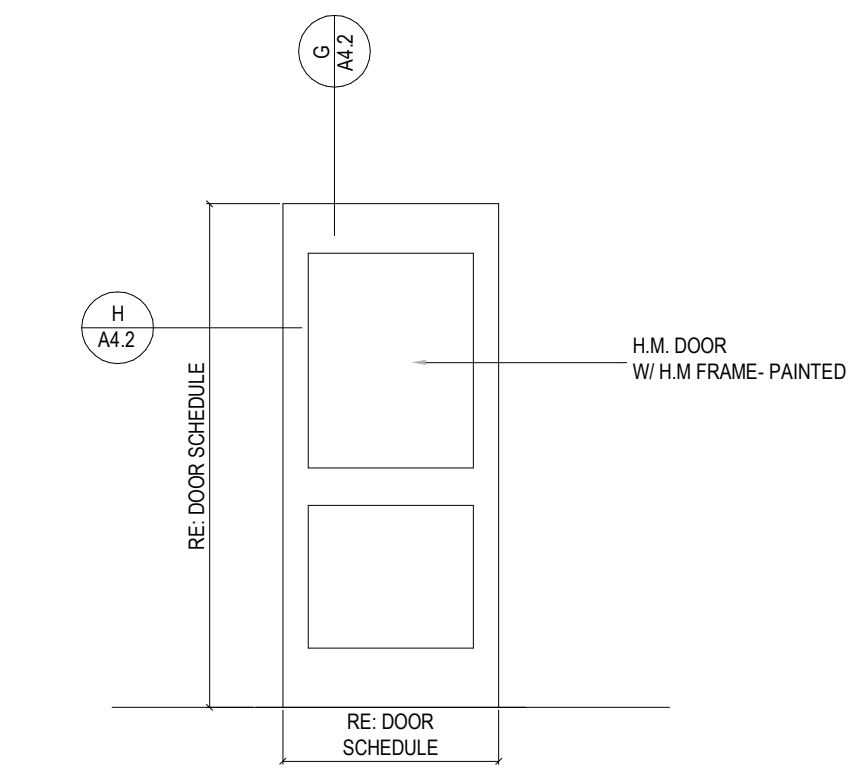
2 DOOR DETAIL TYPE D2
 INTERIOR SCALE: 3/8" = 1'-0"

UNIT MECH DOORS U101A - U106A
 UNIT MECH DOORS U201A - U206A
 UNIT MECH DOORS U301A - U306A



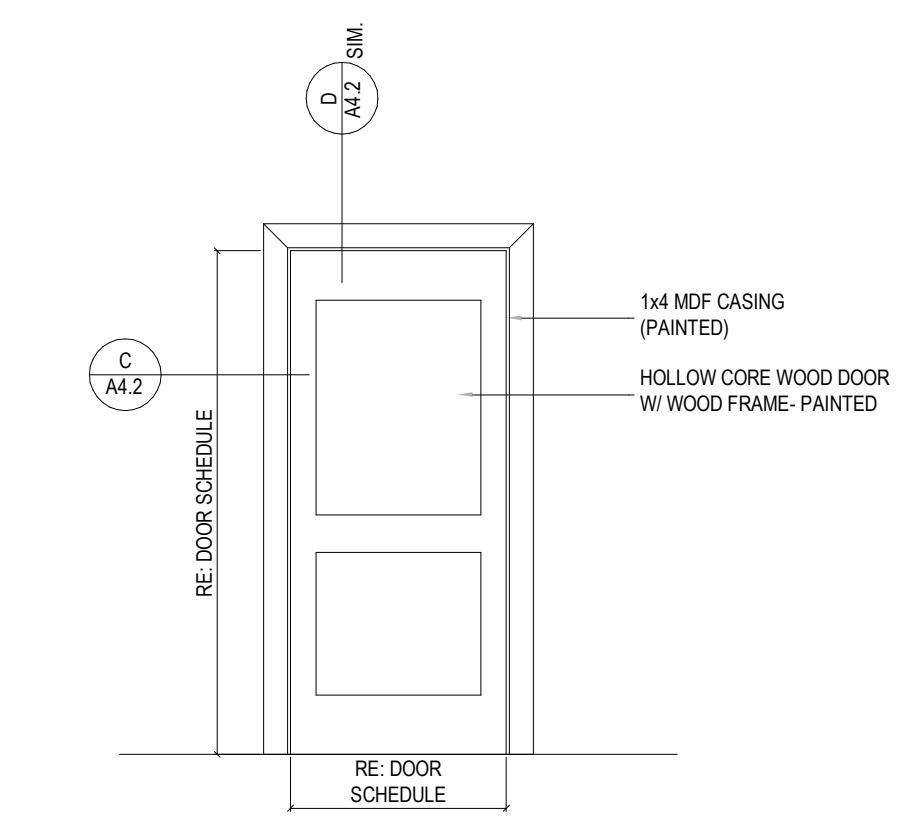
3 DOOR DETAIL TYPE D3
 EXTERIOR SCALE: 3/8" = 1'-0"

UNIT SLIDING DOORS U101B - U106B
 UNIT SLIDING DOORS U201B - U206B
 UNIT SLIDING DOORS U301B - U306B



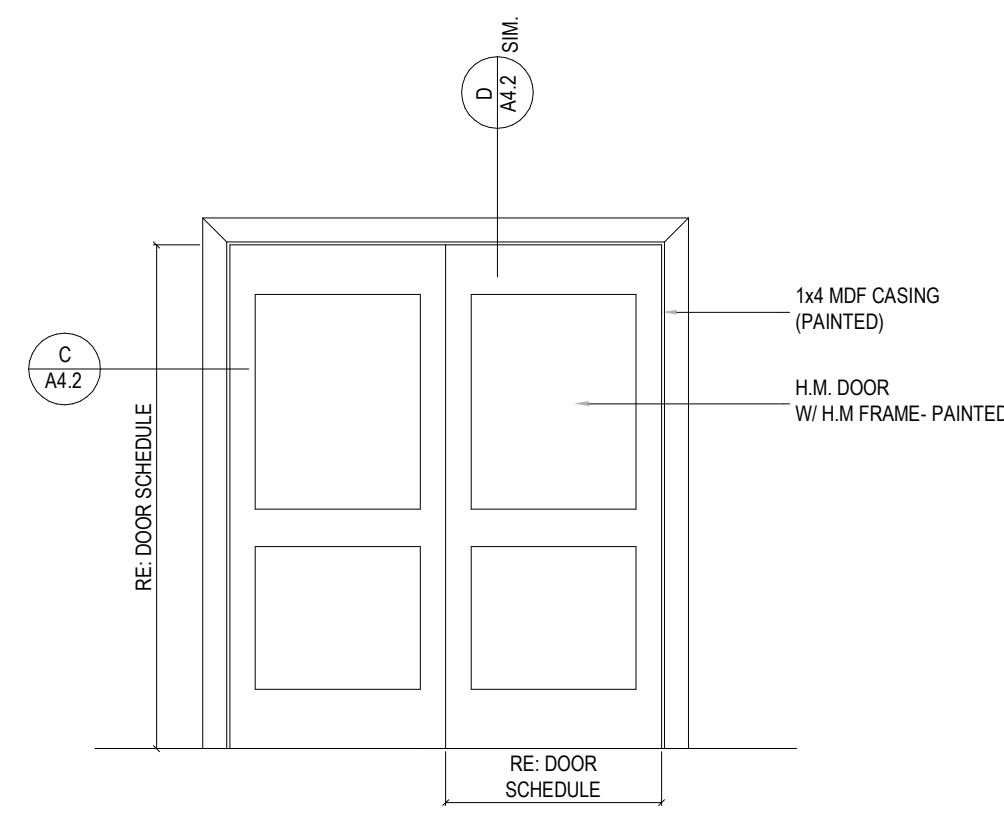
4 DOOR DETAIL TYPE D4
 EXTERIOR SCALE: 3/8" = 1'-0"

UNIT STORAGE DOORS U101C - U106C
 UNIT STORAGE DOORS U201C - U206C
 UNIT STORAGE DOORS U301C - U306C



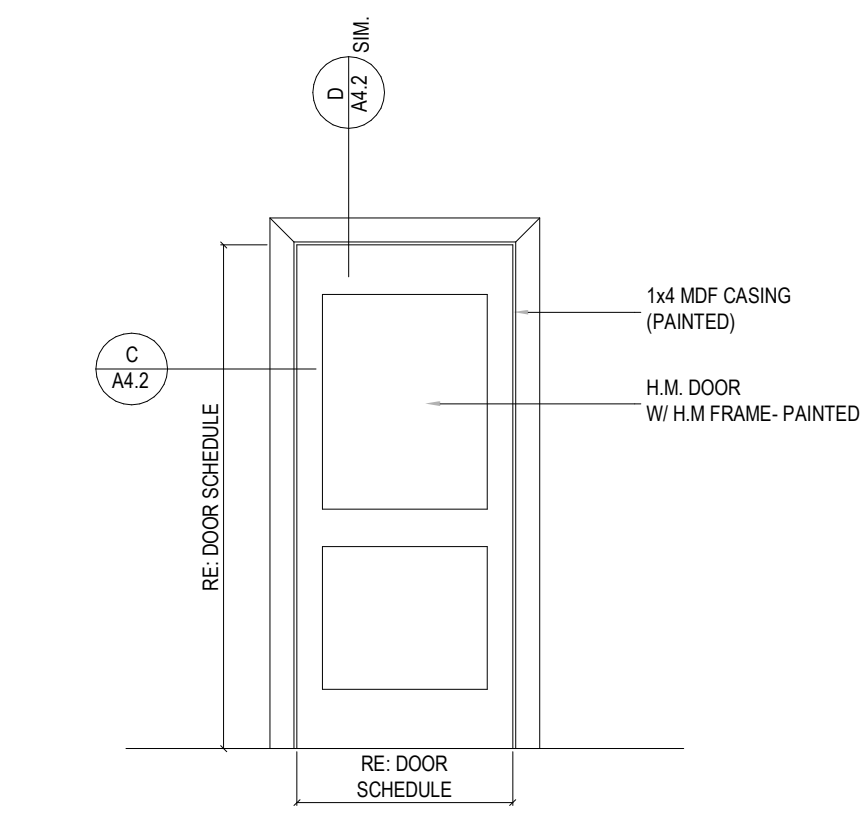
5 DOOR DETAIL TYPE D5
 INTERIOR SCALE: 3/8" = 1'-0"

INT. UNIT DOORS 1A-1H,
 INT. UNIT DOORS 2A-2H



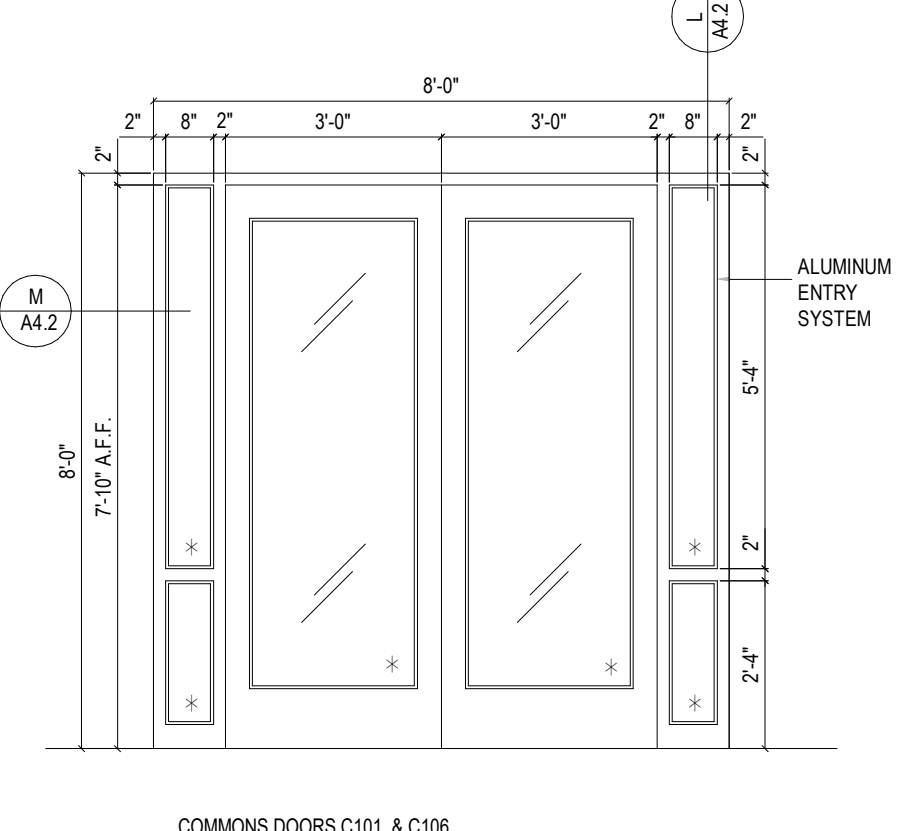
6 DOOR DETAIL TYPE D6
 INTERIOR SCALE: 3/8" = 1'-0"

COMMONS DOORS C101A, C106A, C201, C206, C301 & C306



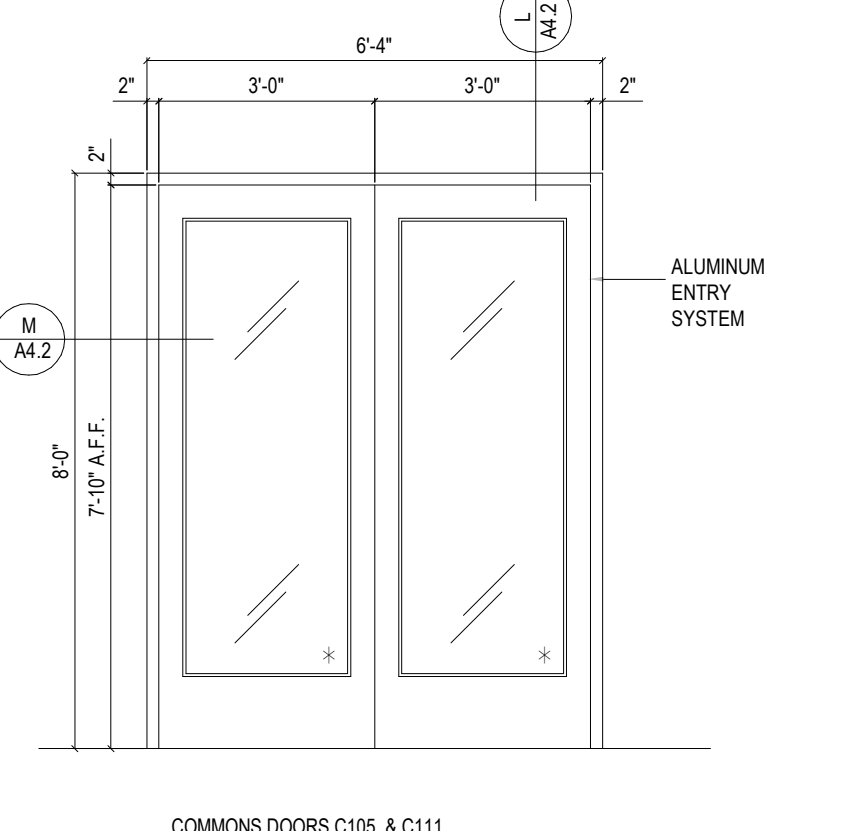
7 DOOR DETAIL TYPE D7
 INTERIOR SCALE: 3/8" = 1'-0"

COMMONS DOORS C102, C103, C107, C109, C110, & C112
 COMMONS DOORS C202, C203, C207, C208, & C211
 COMMONS DOORS C302, C303, C307, C308, C310, & C312



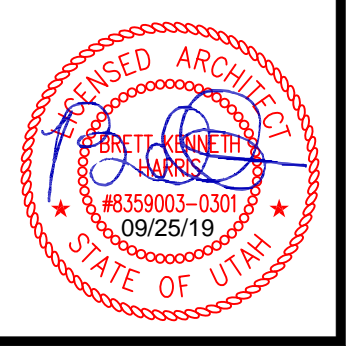
8 DOOR DETAIL TYPE D8
 EXTERIOR SCALE: 3/8" = 1'-0"

COMMONS DOORS C101, & C108



9 DOOR DETAIL TYPE D9
 EXTERIOR SCALE: 3/8" = 1'-0"

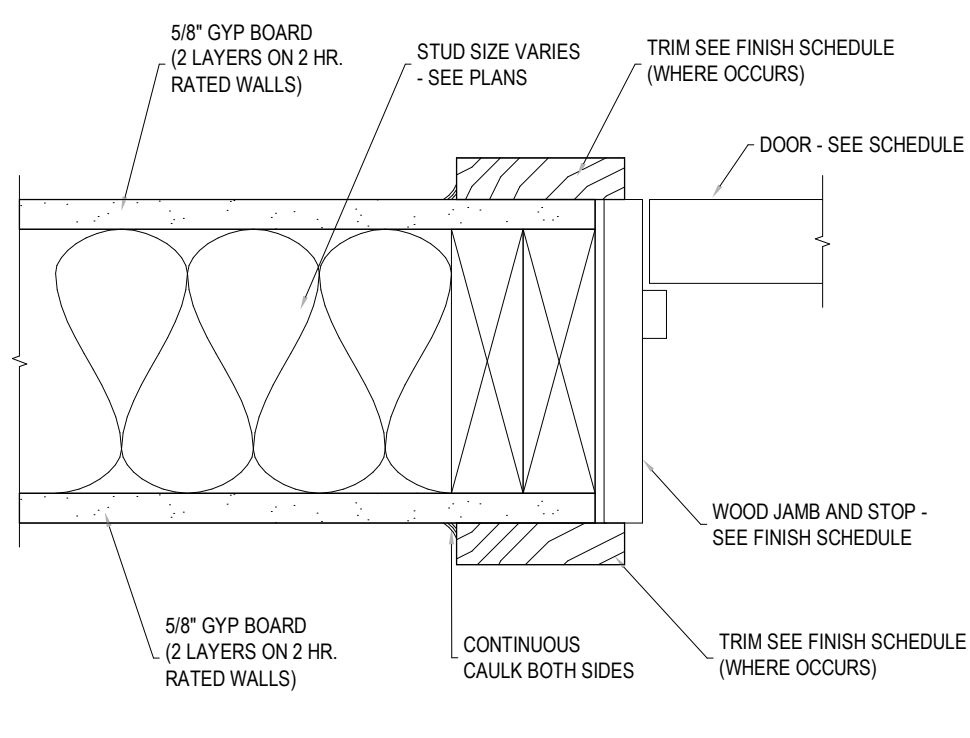
COMMONS DOORS C105, & C111



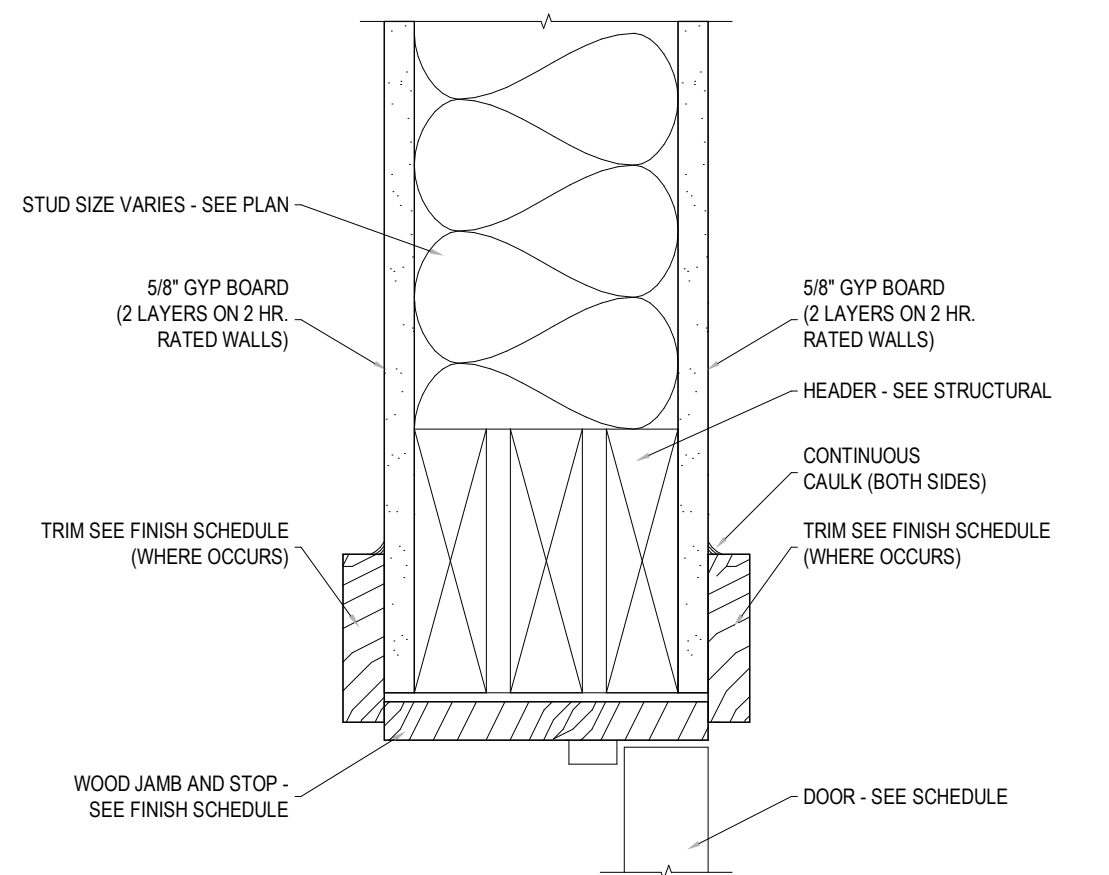
THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt

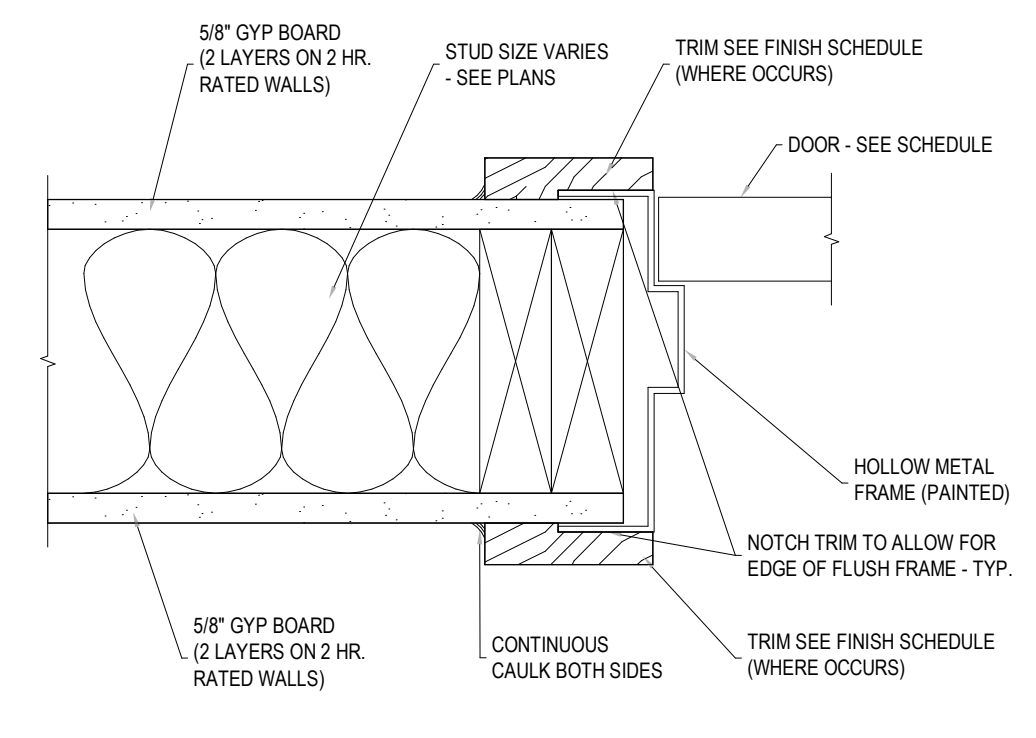
9/25/2019 4:13:07 PM
 THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt



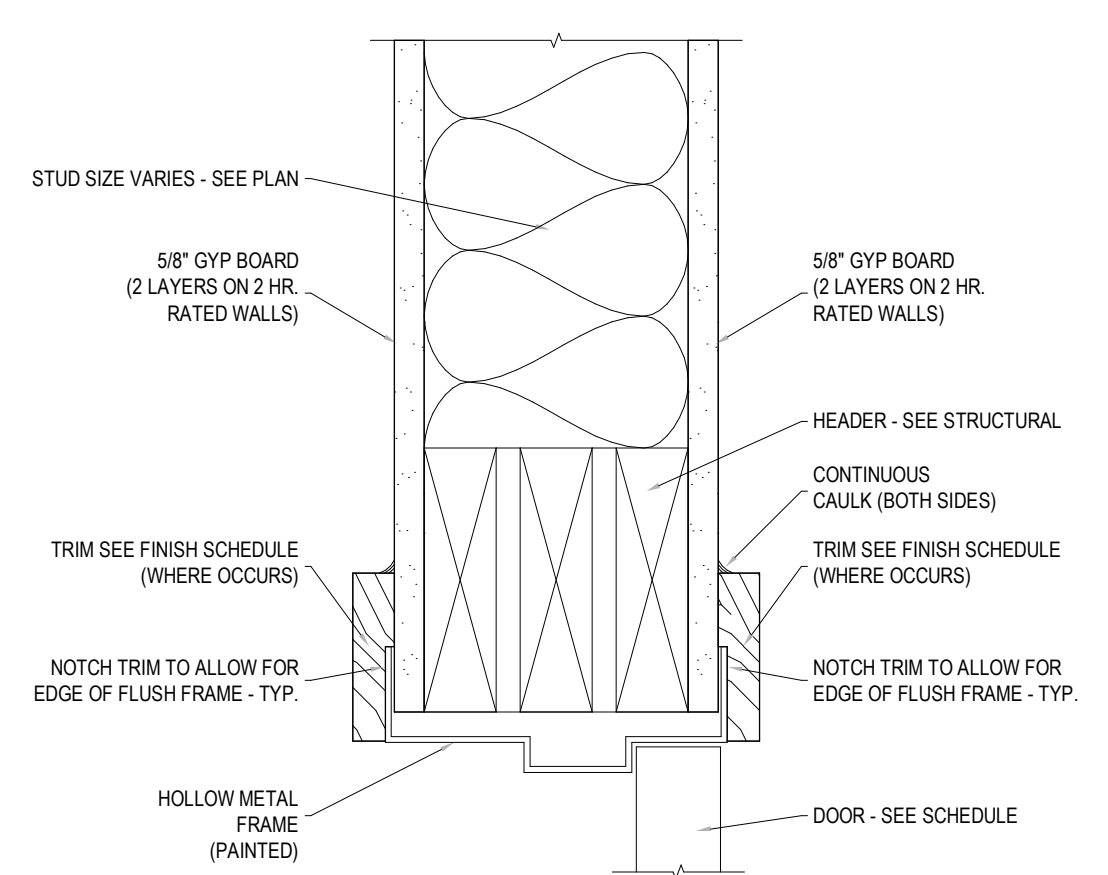
A JAMB DETAIL 3"=1'-0"



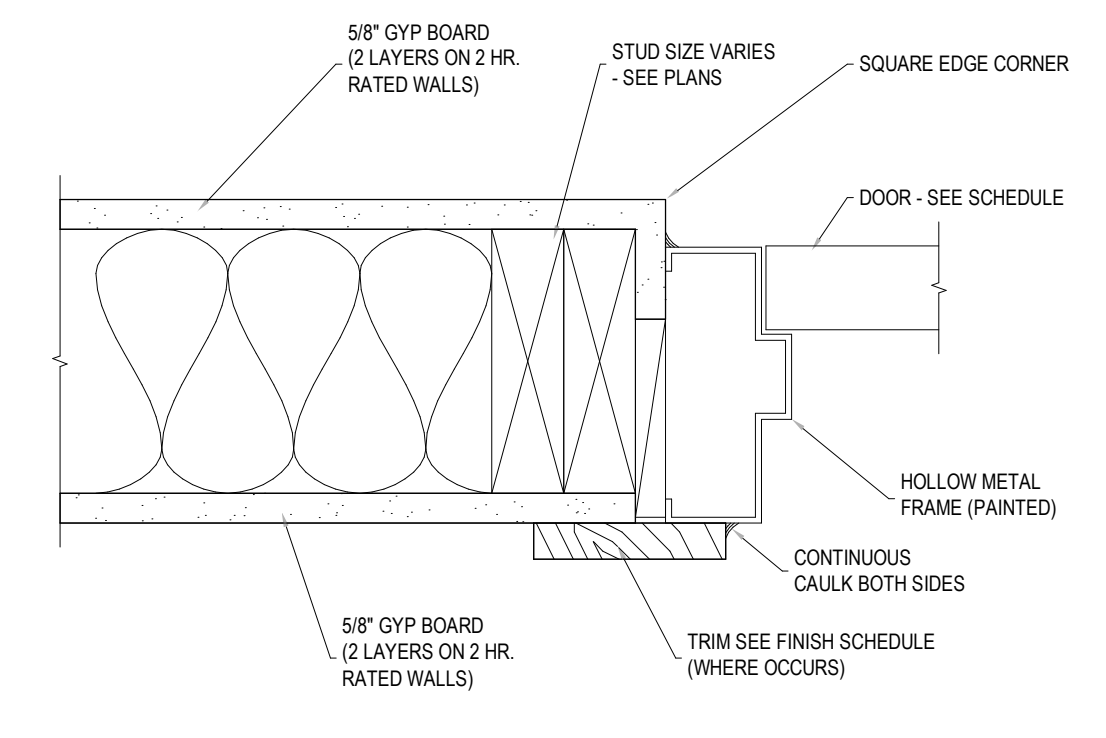
B HEAD DETAIL 3"=1'-0"



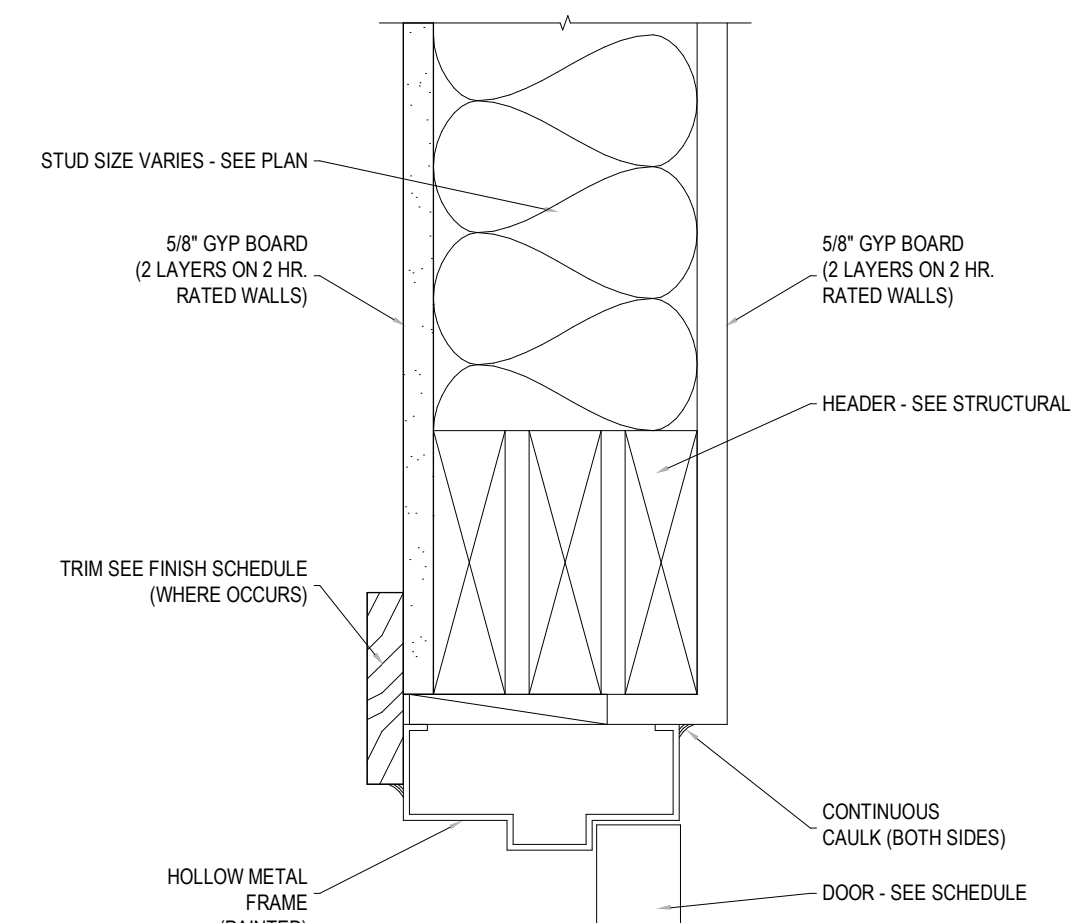
C JAMB DETAIL 3"=1'-0"



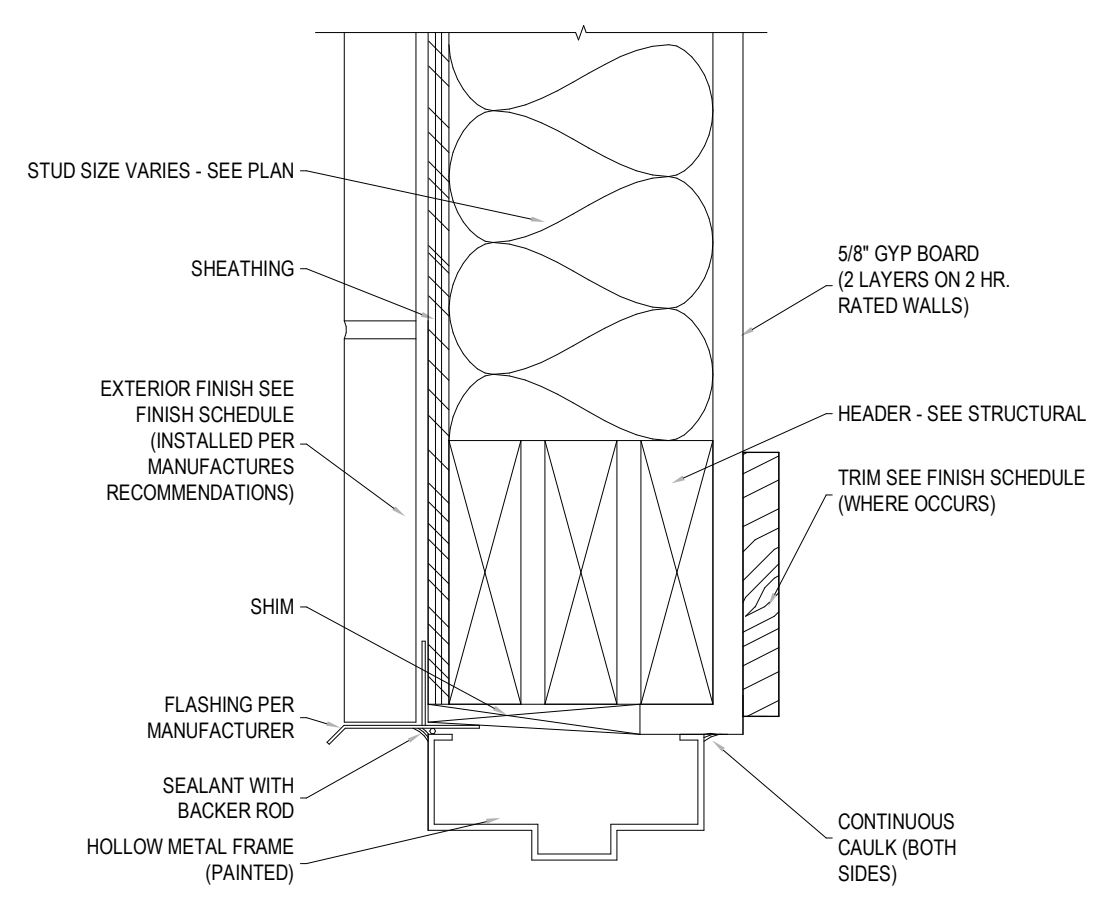
D HEAD DETAIL 3"=1'-0"



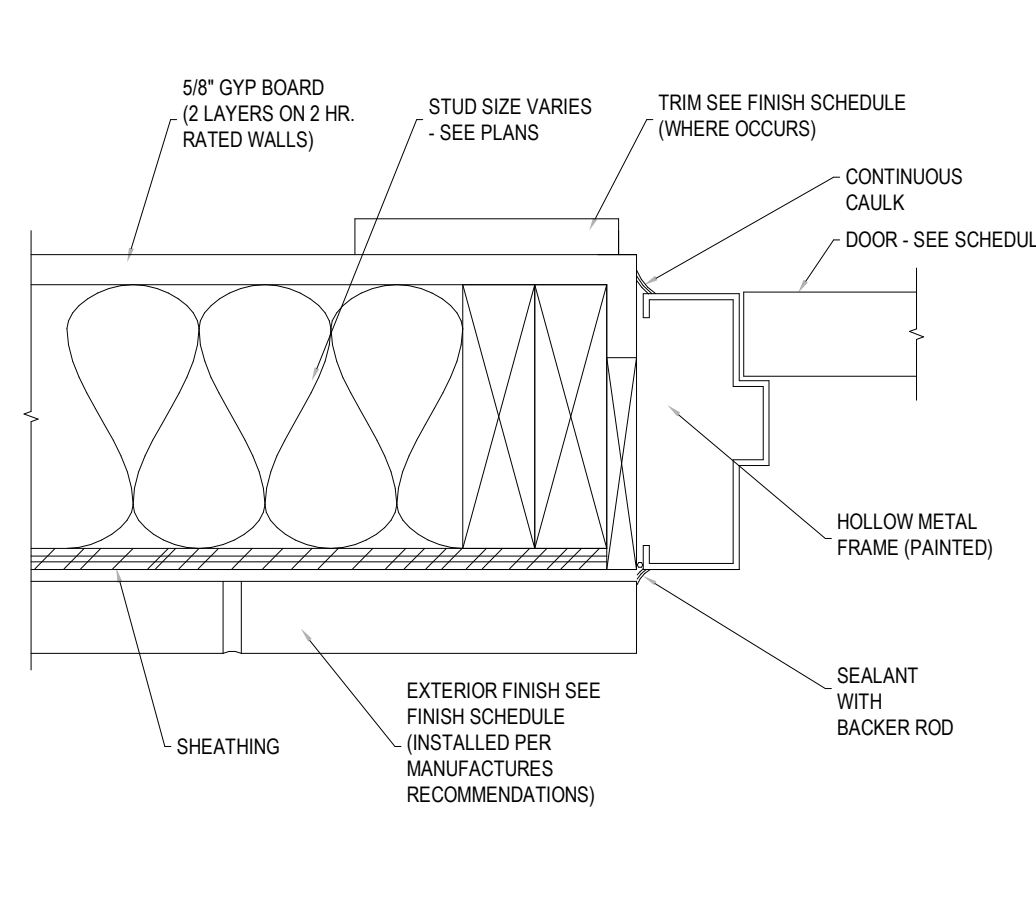
E JAMB DETAIL 3"=1'-0"



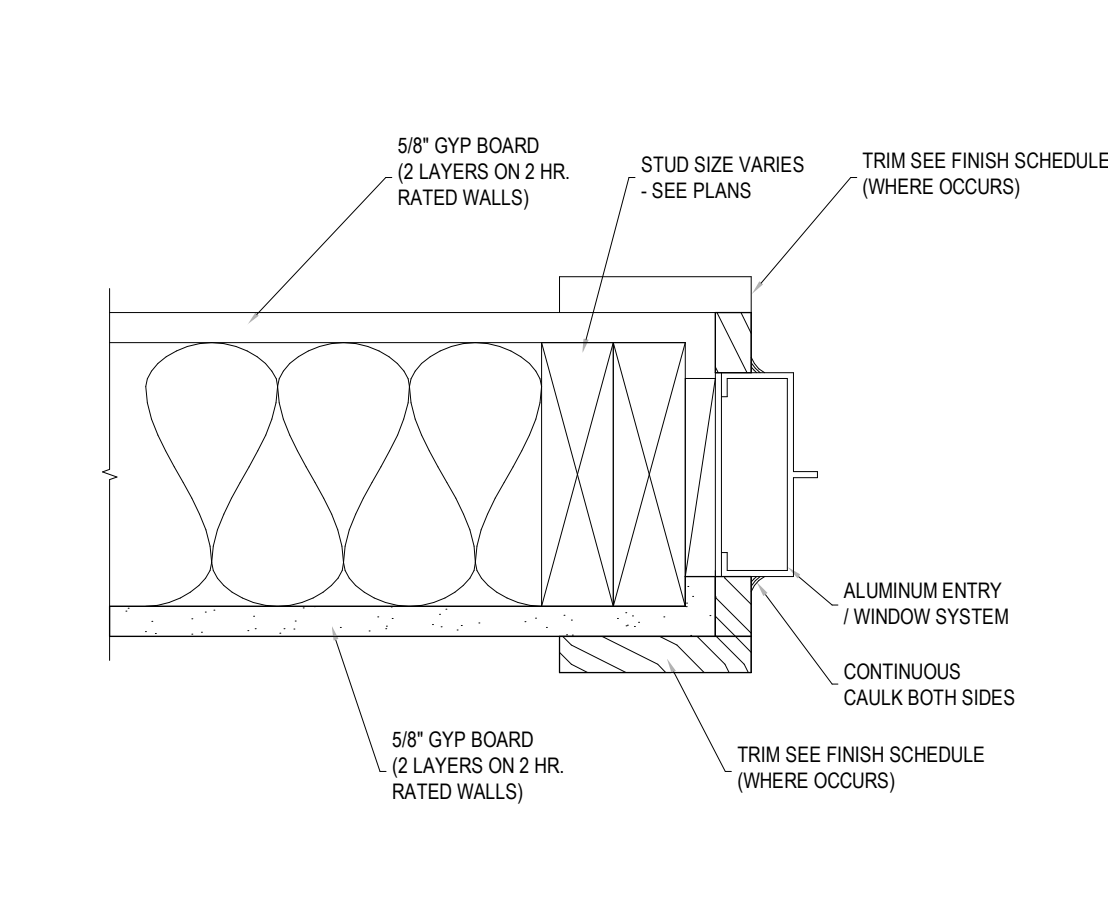
F HEAD DETAIL 3"=1'-0"



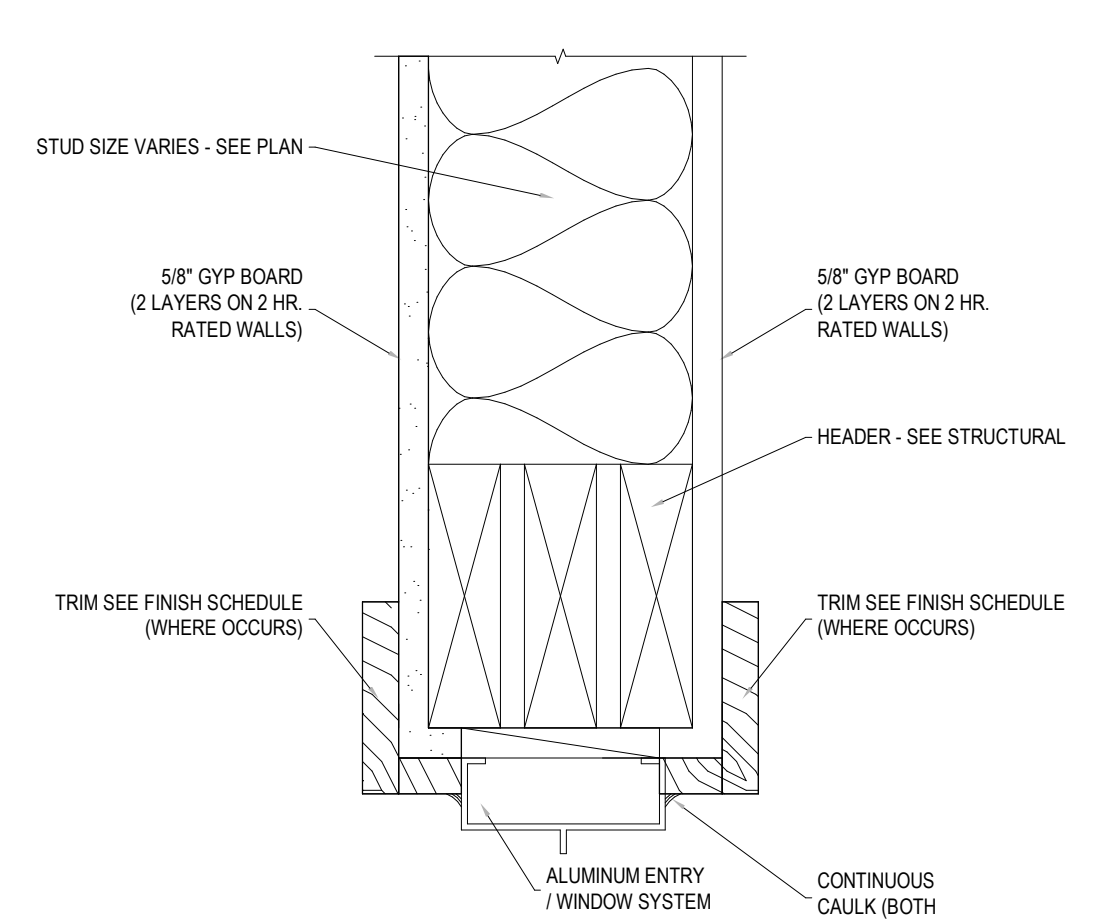
G HEAD DETAIL 3"=1'-0"



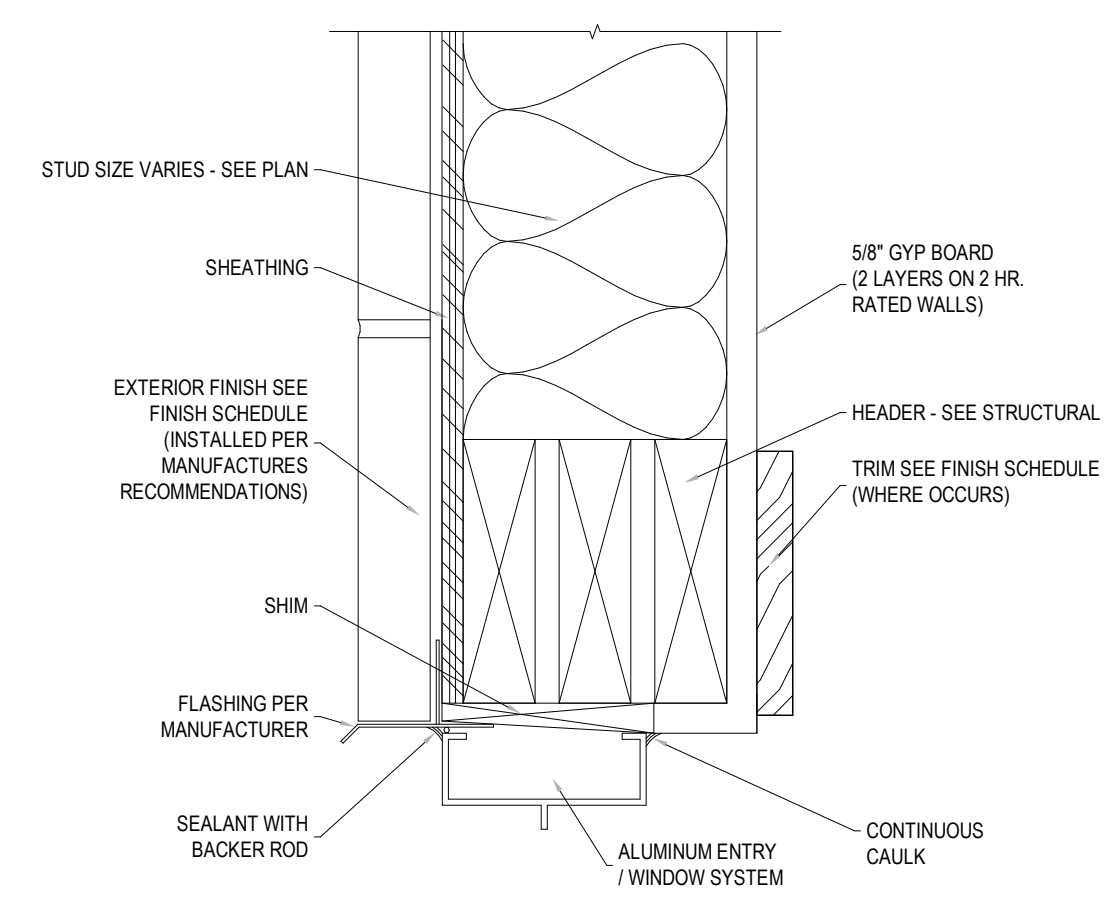
H JAMB DETAIL 3"=1'-0"



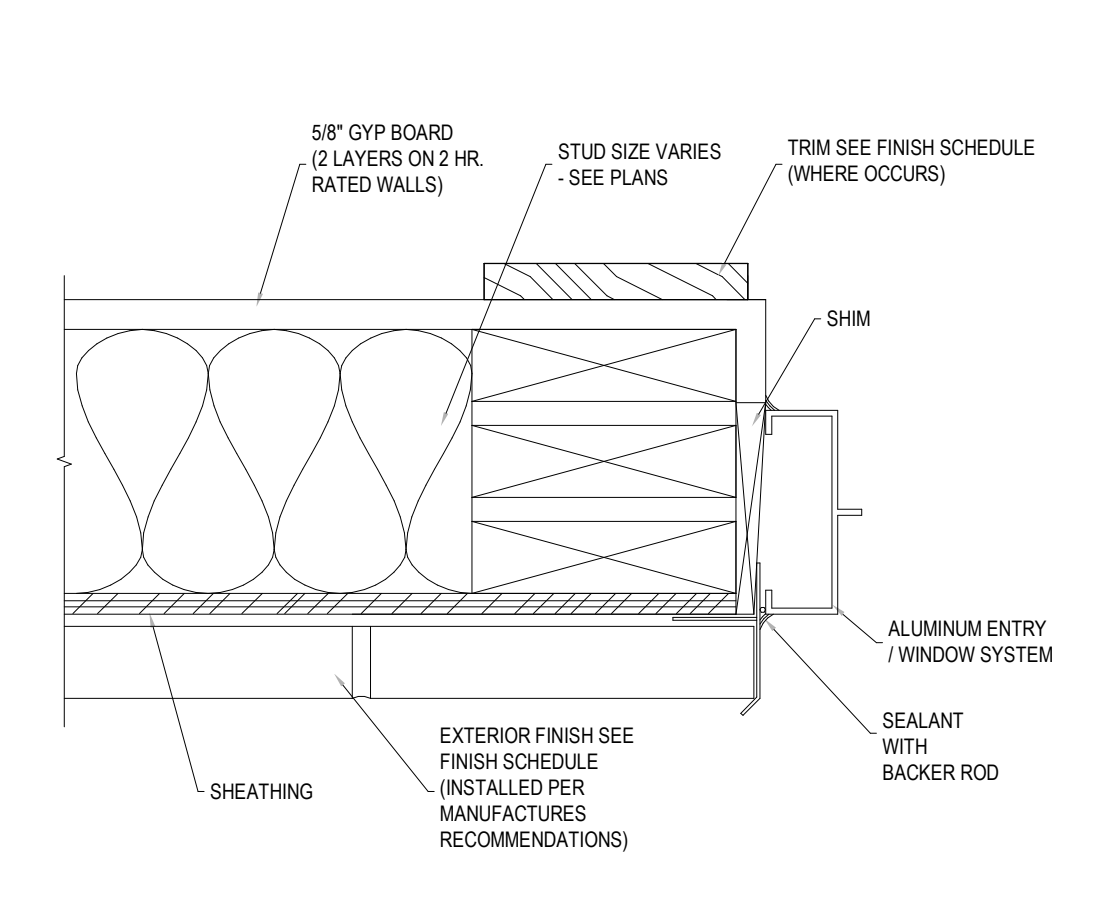
J JAMB DETAIL 3"=1'-0"



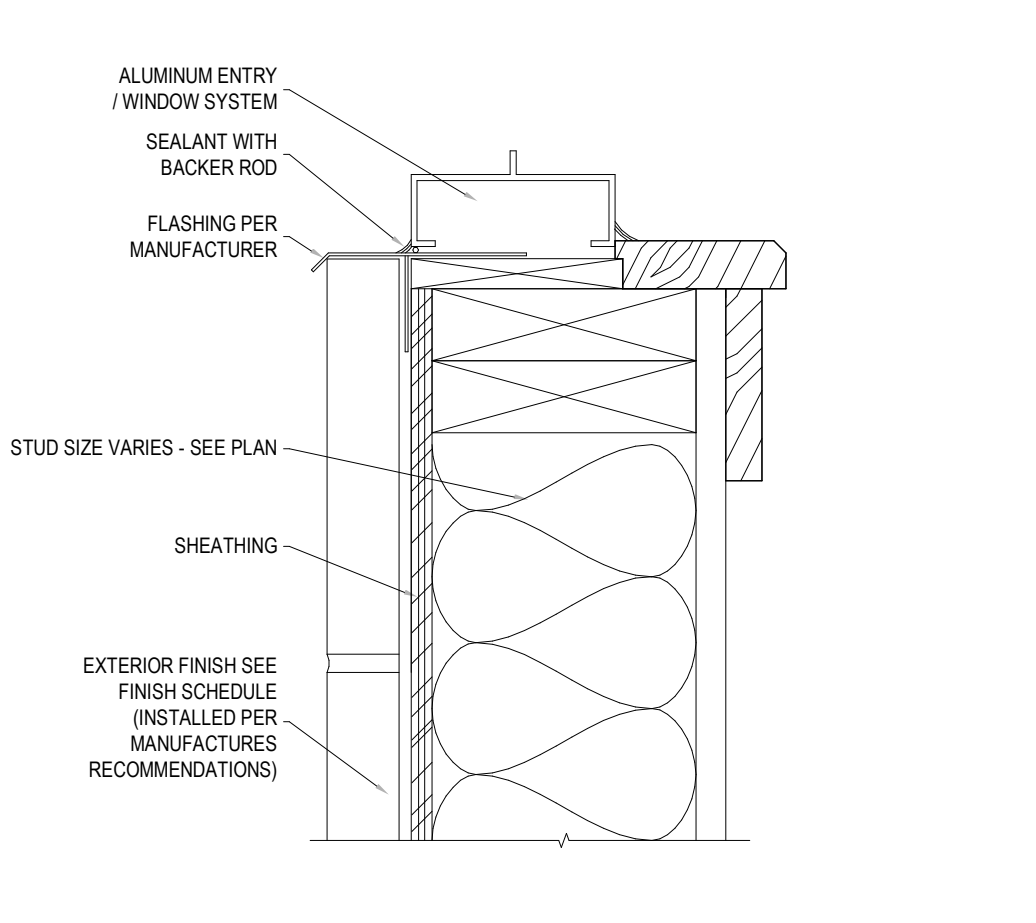
K HEAD DETAIL 3"=1'-0"



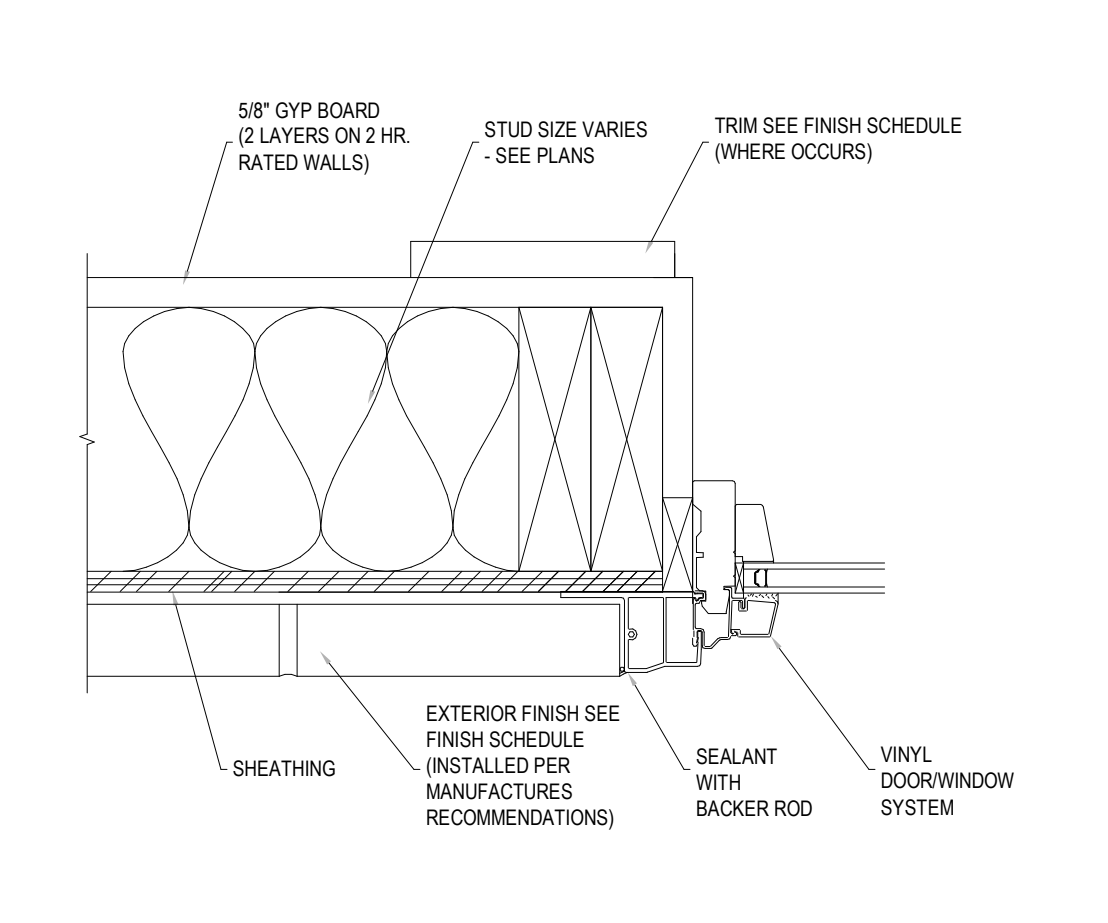
L HEAD DETAIL 3"=1'-0"



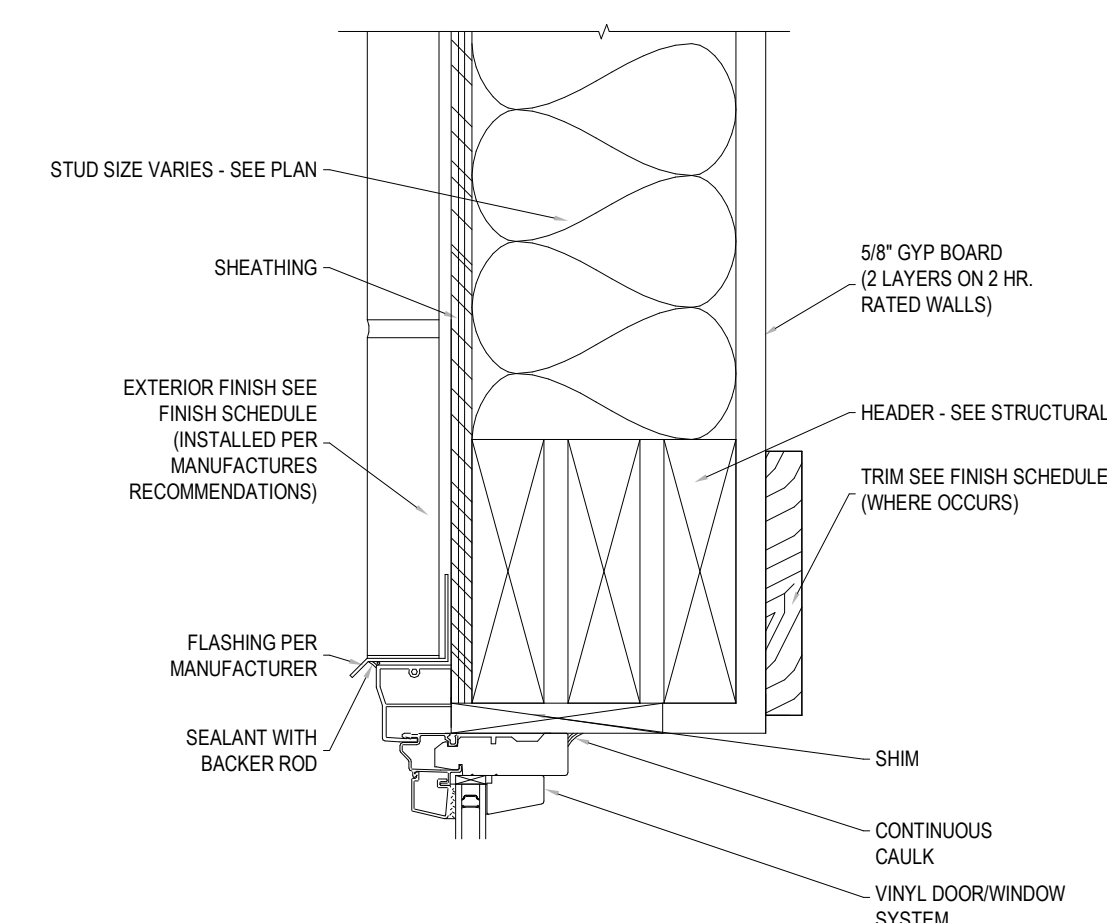
M JAMB DETAIL 3"=1'-0"



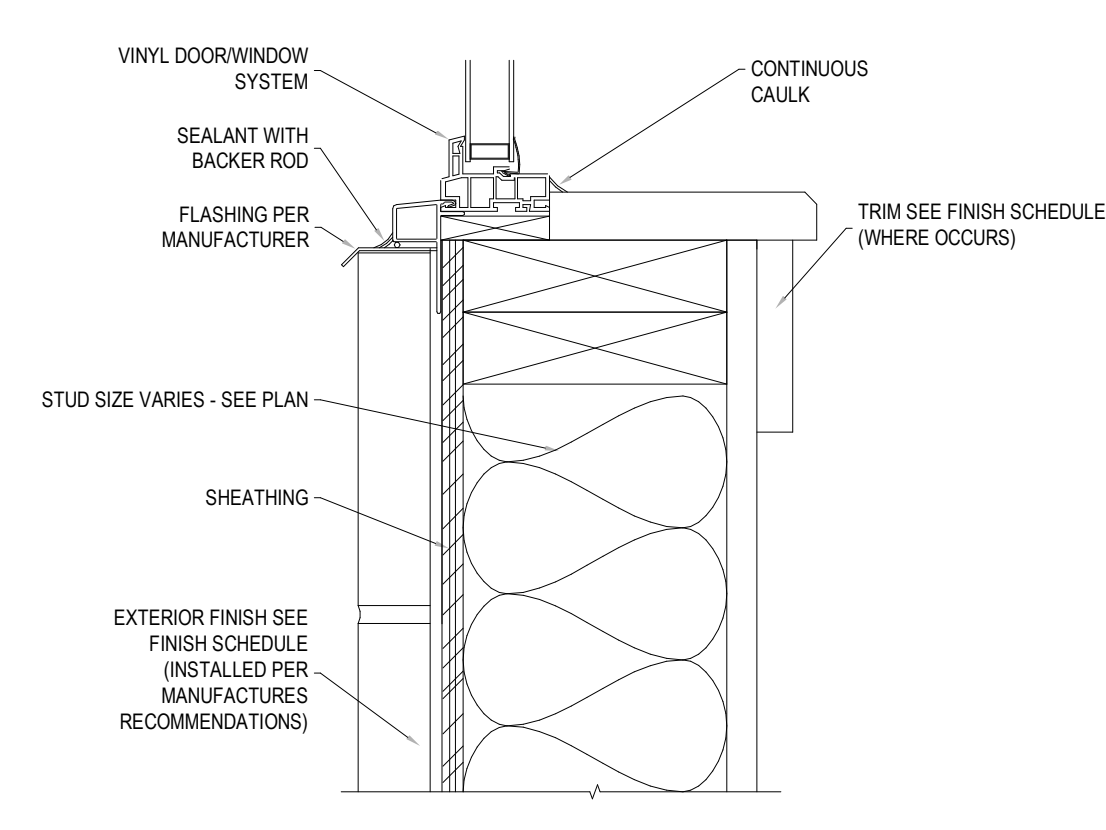
N SILL DETAIL 3"=1'-0"



P JAMB DETAIL 3"=1'-0"



Q HEAD DETAIL 3"=1'-0"



R SILL DETAIL 3"=1'-0"

NOTE: HOLLOW METAL DOOR FRAMES
 THE DOOR FRAME DETAILS FOR INTERIOR WALLS DO NOT INDICATE THROAT DIMENSION TO INCLUDE ANY SHEAR WALL MATERIAL. IT IS THE RESPONSIBILITY OF THE DOOR/FRAME SUPPLIER TO REVIEW THE STRUCTURAL SHEAR WALL DRAWINGS AND ACCOUNT FOR ANY INCREASE IN DOOR FRAME THROAT DIMENSION DUE TO SHEAR WALL MATERIAL.

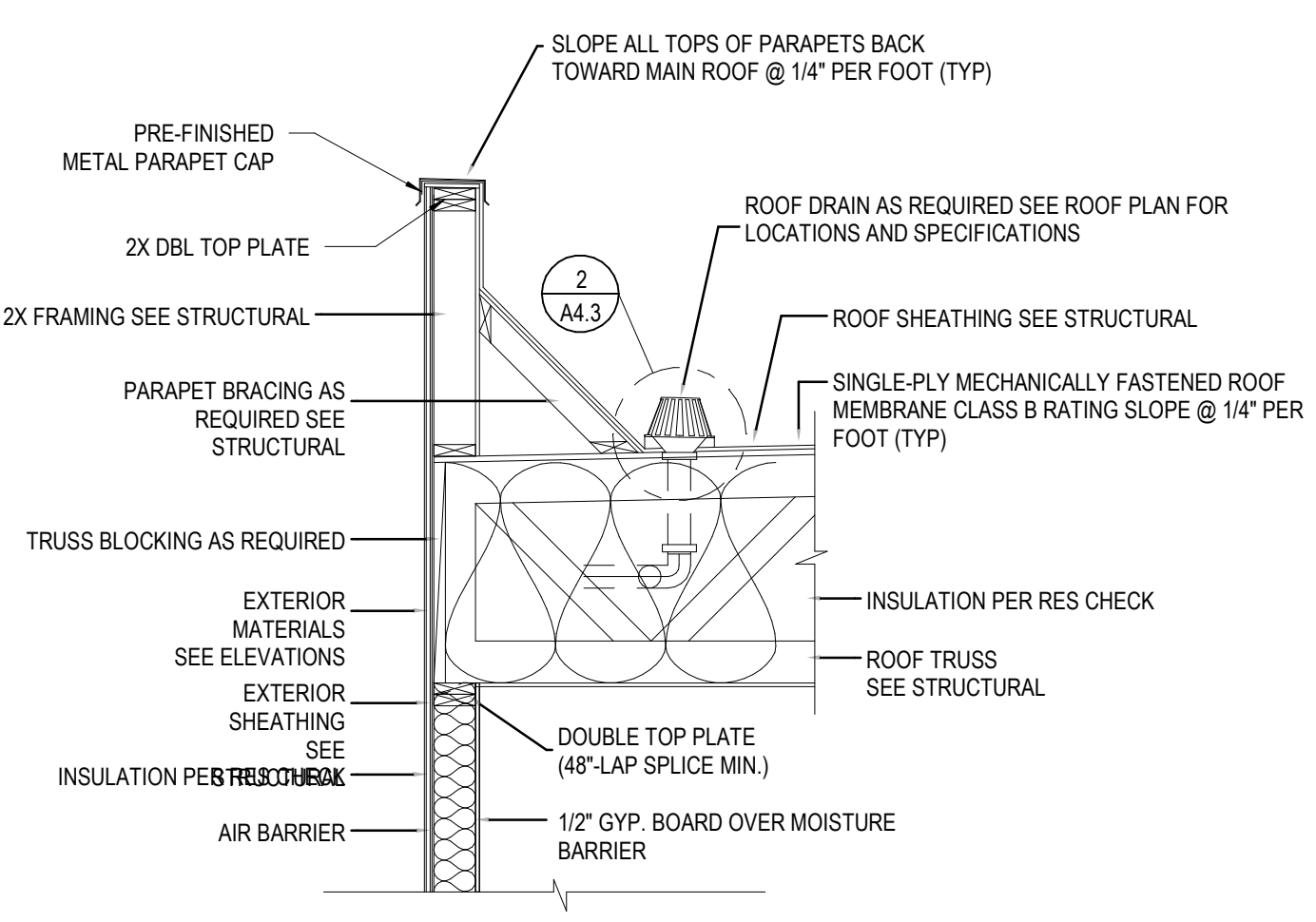


REVISIONS
 DRAWN BY
 Author
HARRIS ARCHITECTURE
 3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM
30th STREET APARTMENTS
 DOOR DETAILS
 09/26/2019
A4.2

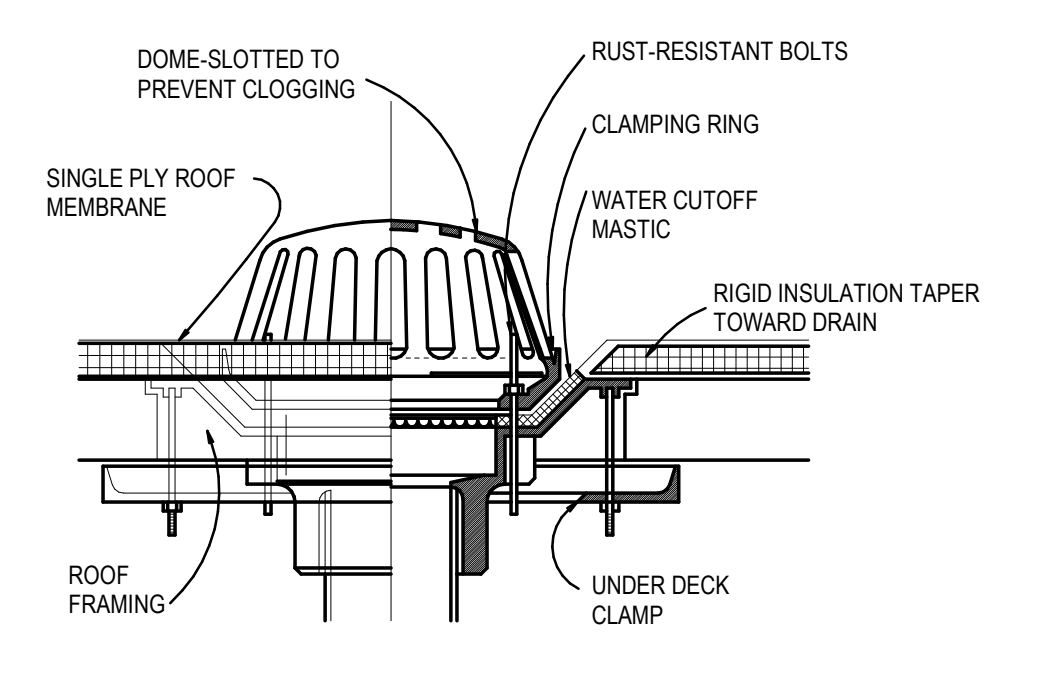
9/25/2019 4:13:08 PM

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

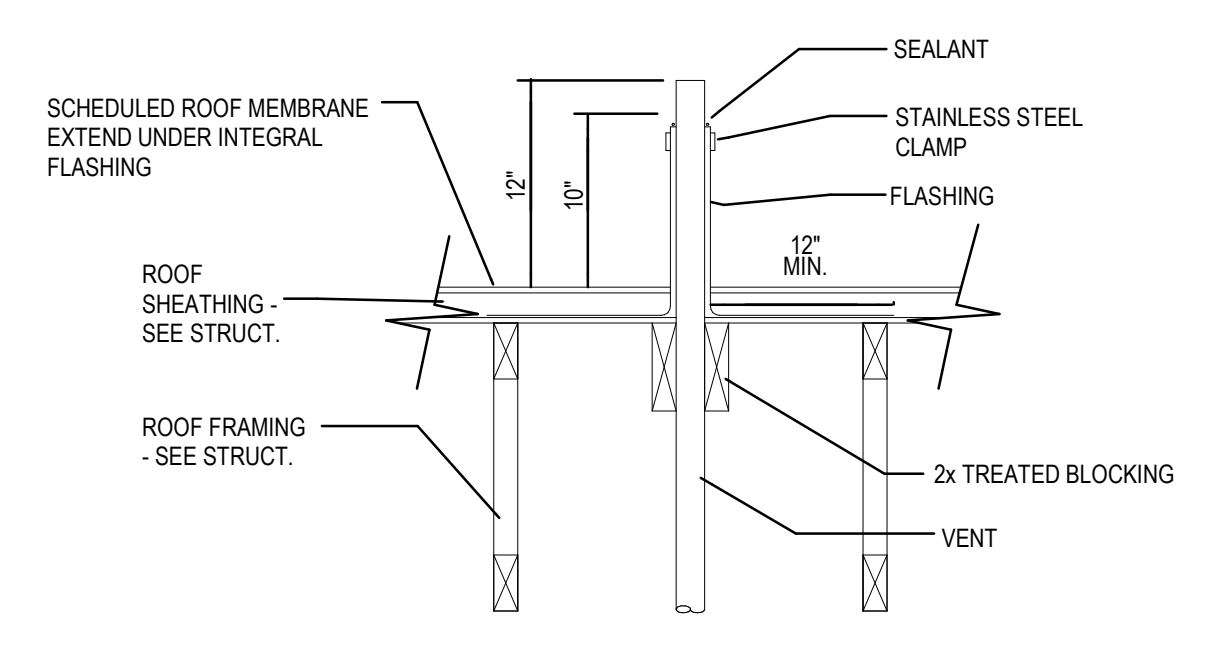
C:\ACAD\file\30th Street Apartments - ogden\Working\ogden - 30th Street Apartments.rvt



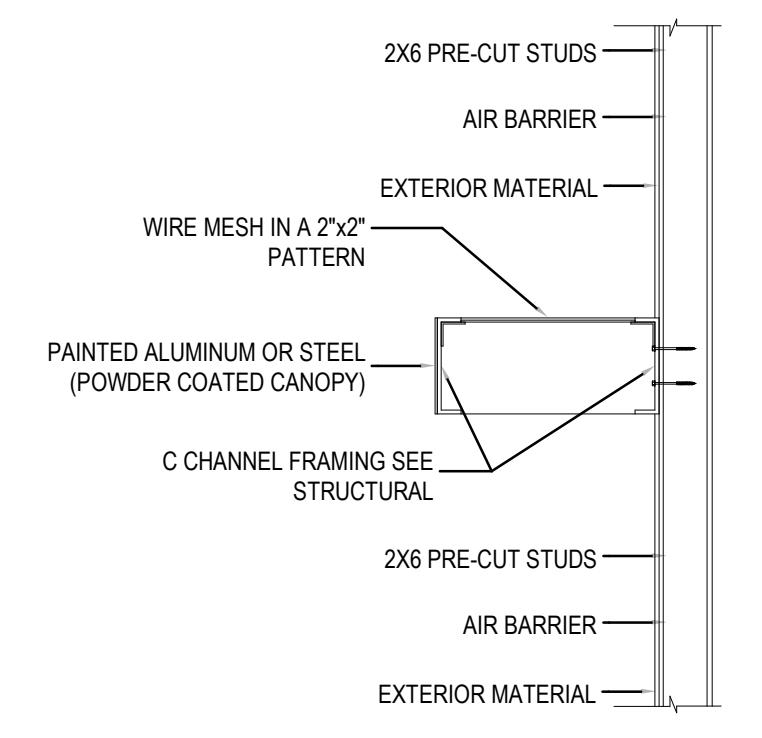
1 PARAPET DETAIL
SCALE: 1/2" = 1'-0"



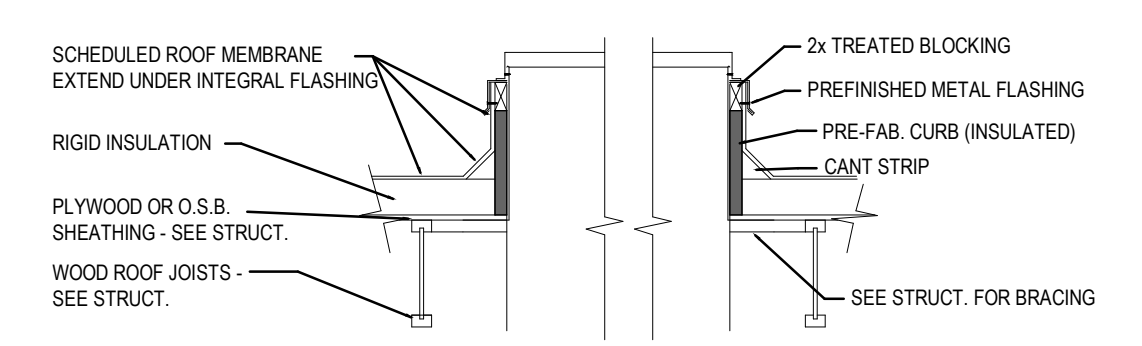
2 TYP. ROOF DRAIN DETAIL
SCALE: N.T.S.



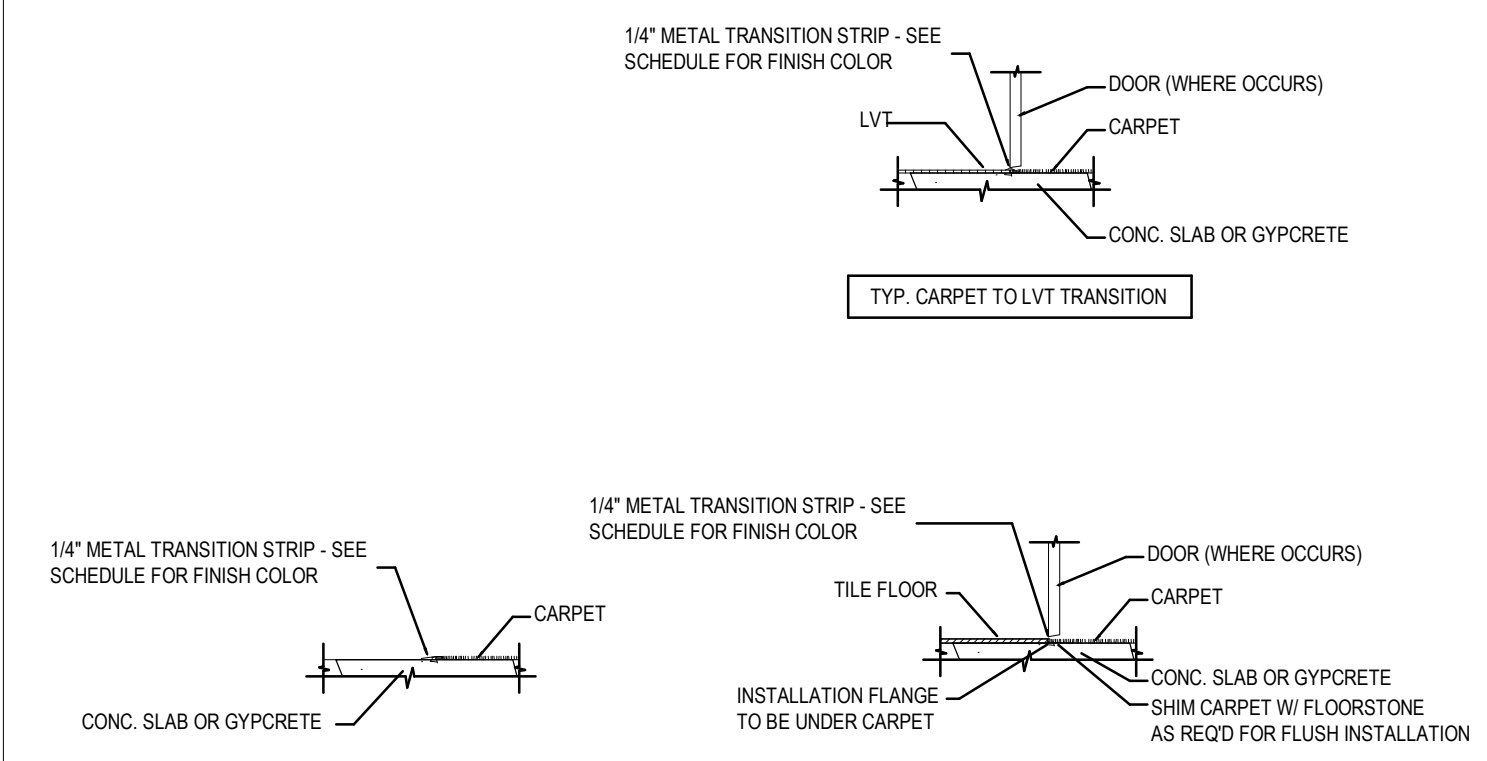
3 TYP. ROOF PENETRATION DETAIL
SCALE: N.T.S.



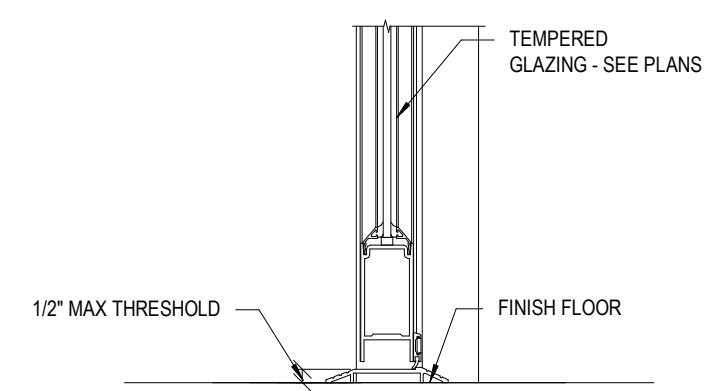
4 ROOF CANOPY DETAIL
SCALE: 1/2" = 1'-0"



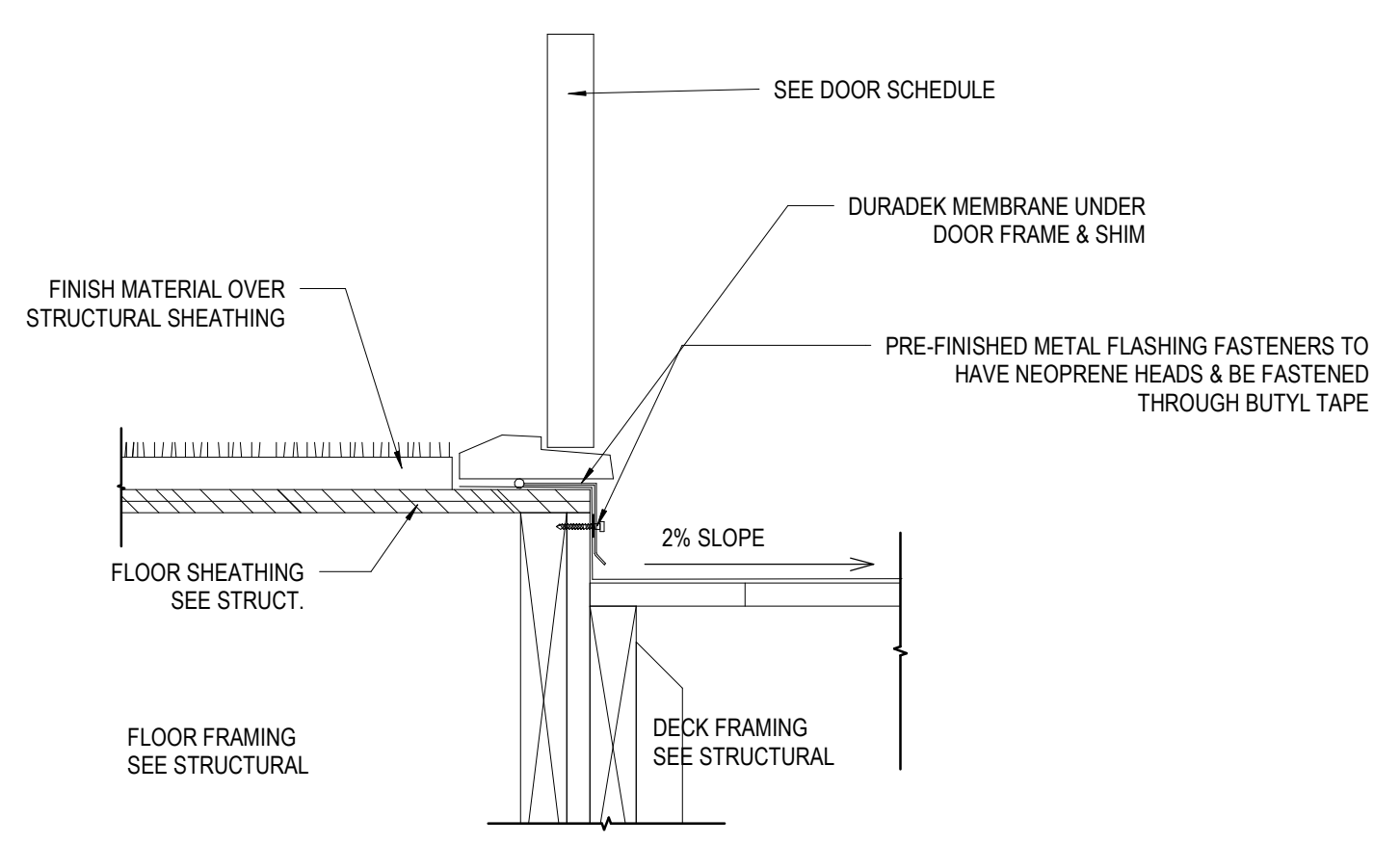
5 CURB DETAIL
SCALE: 1 1/2" = 1'-0"



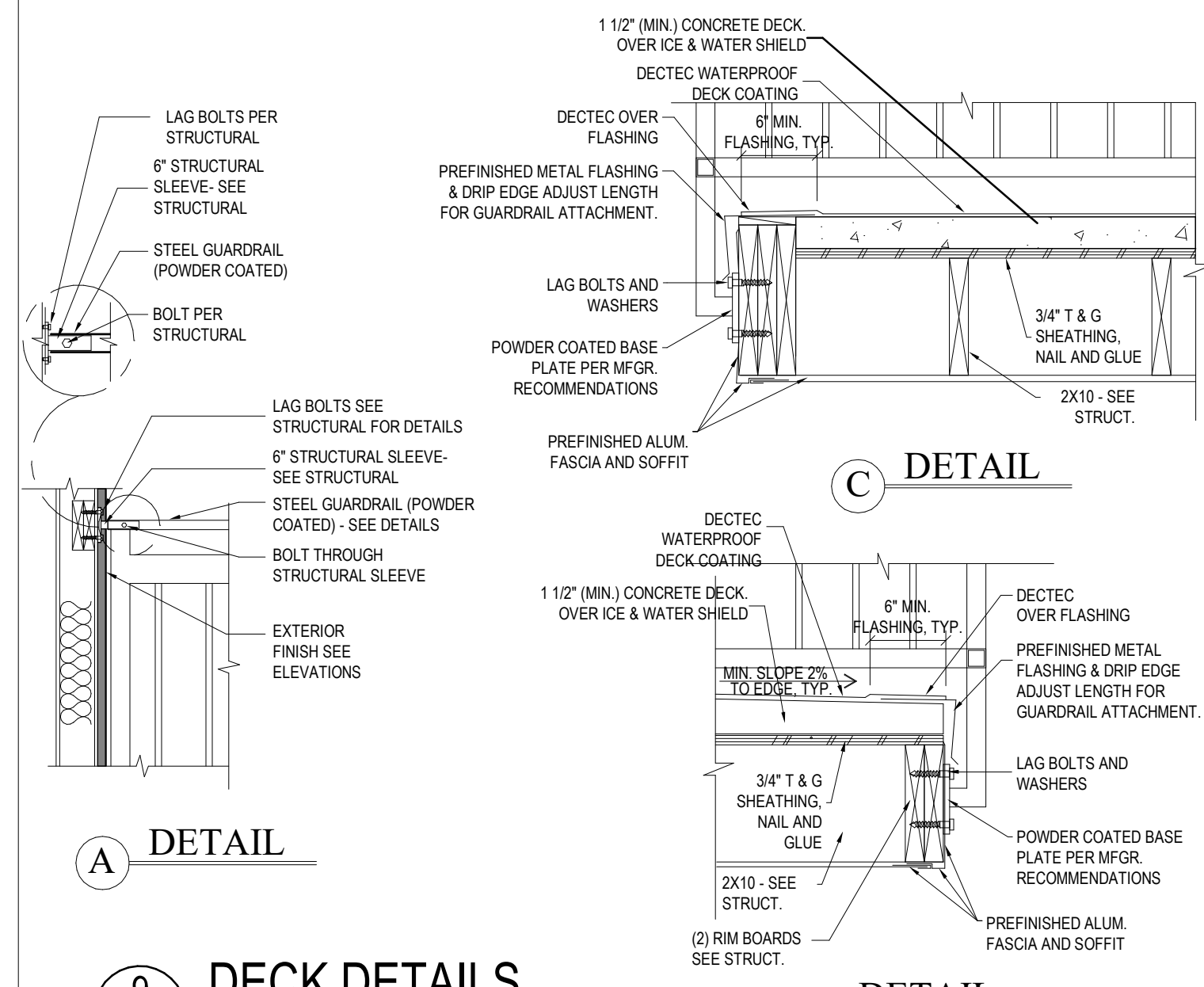
6 FLOORING TRANSITION DETAILS
SCALE: 1/2" = 1'-0"



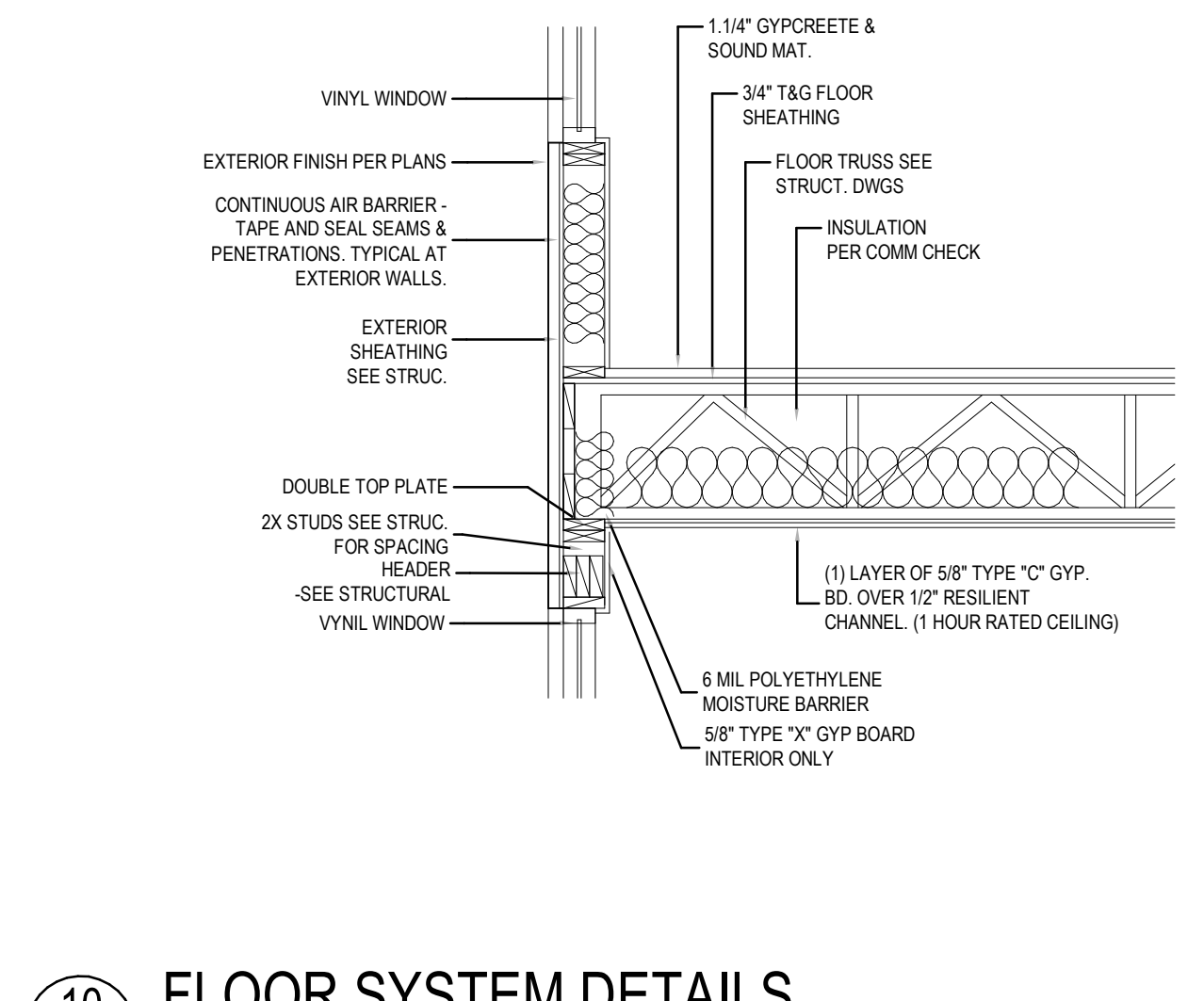
7 THRESHOLD DETAIL
SCALE: 1/2" = 1'-0"



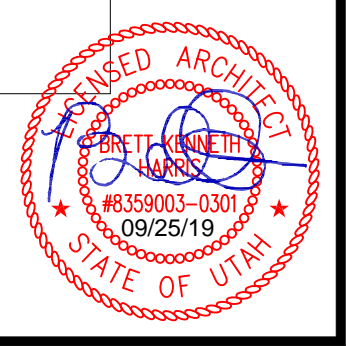
8 DOOR @ DECK DETAIL
SCALE: N.T.S.

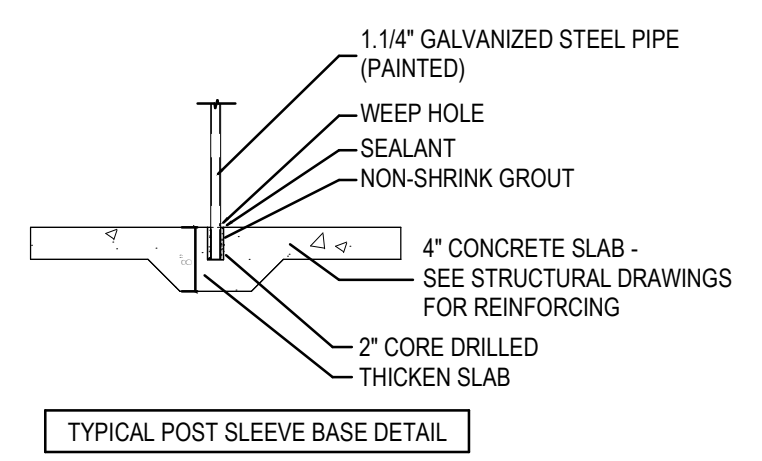


9 DECK DETAILS
SCALE: N.T.S.

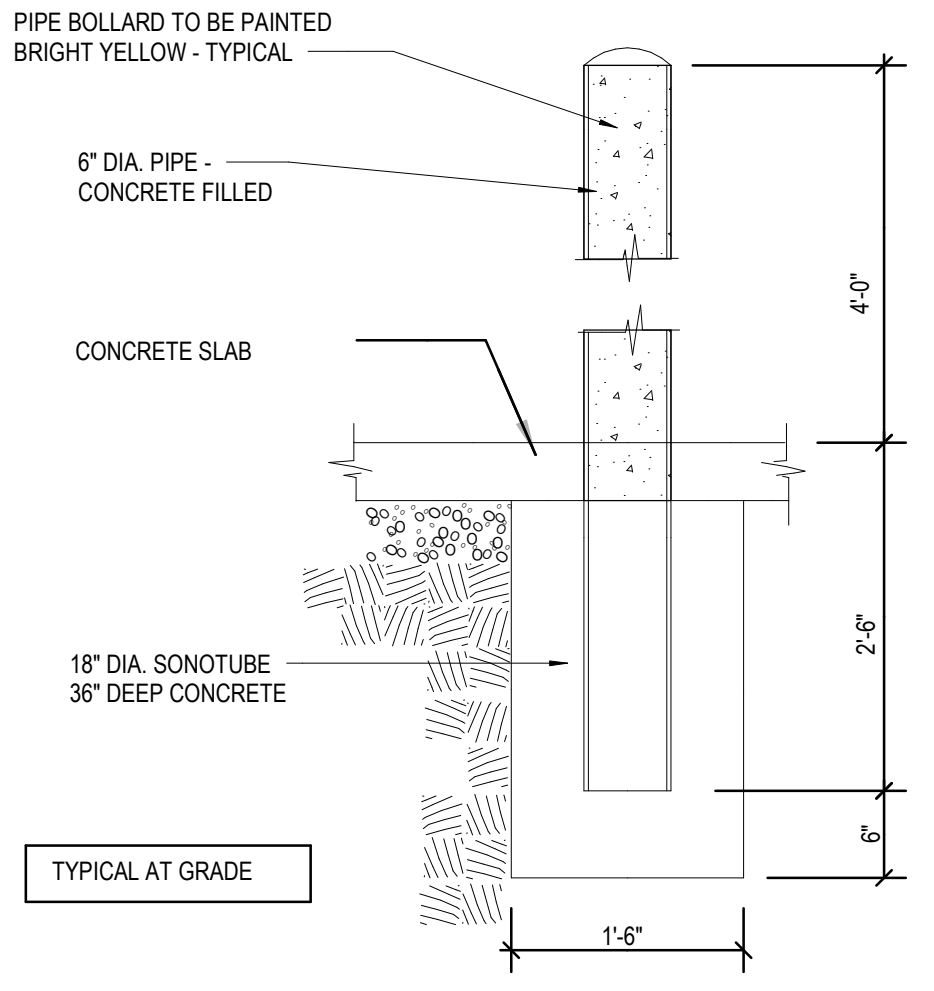


10 FLOOR SYSTEM DETAILS
SCALE: N.T.S.

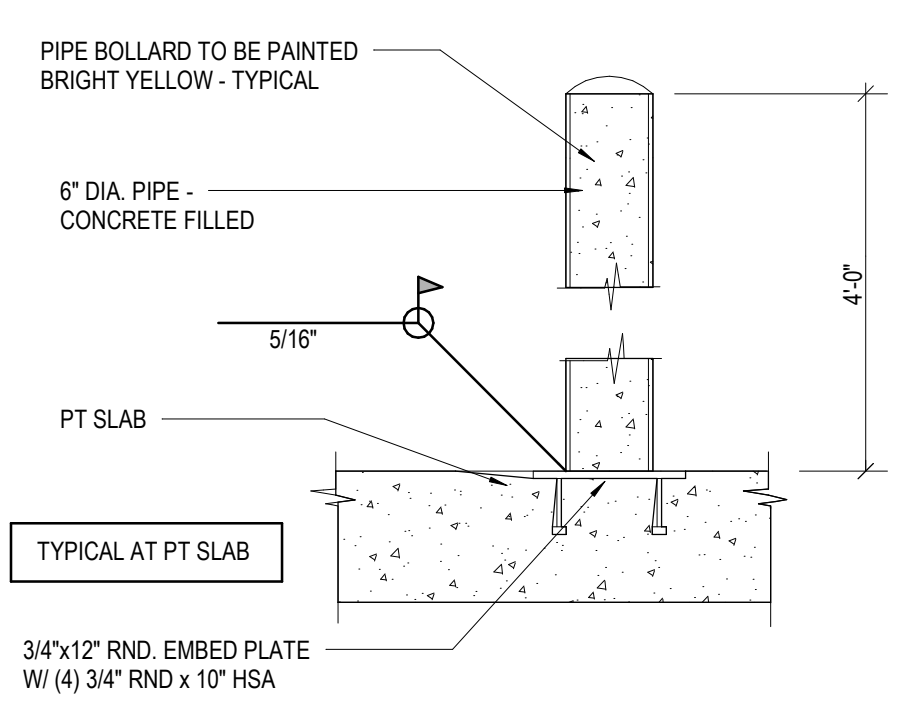




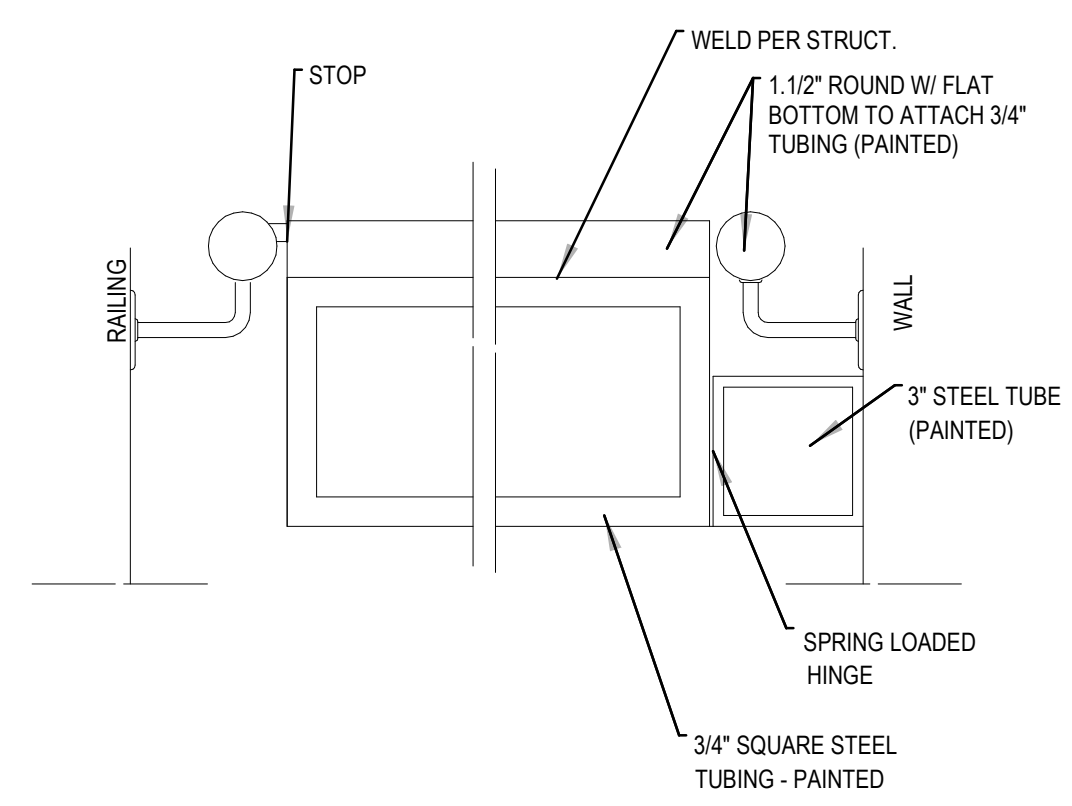
1 DETAIL
SCALE: 1/2" = 1'-0"



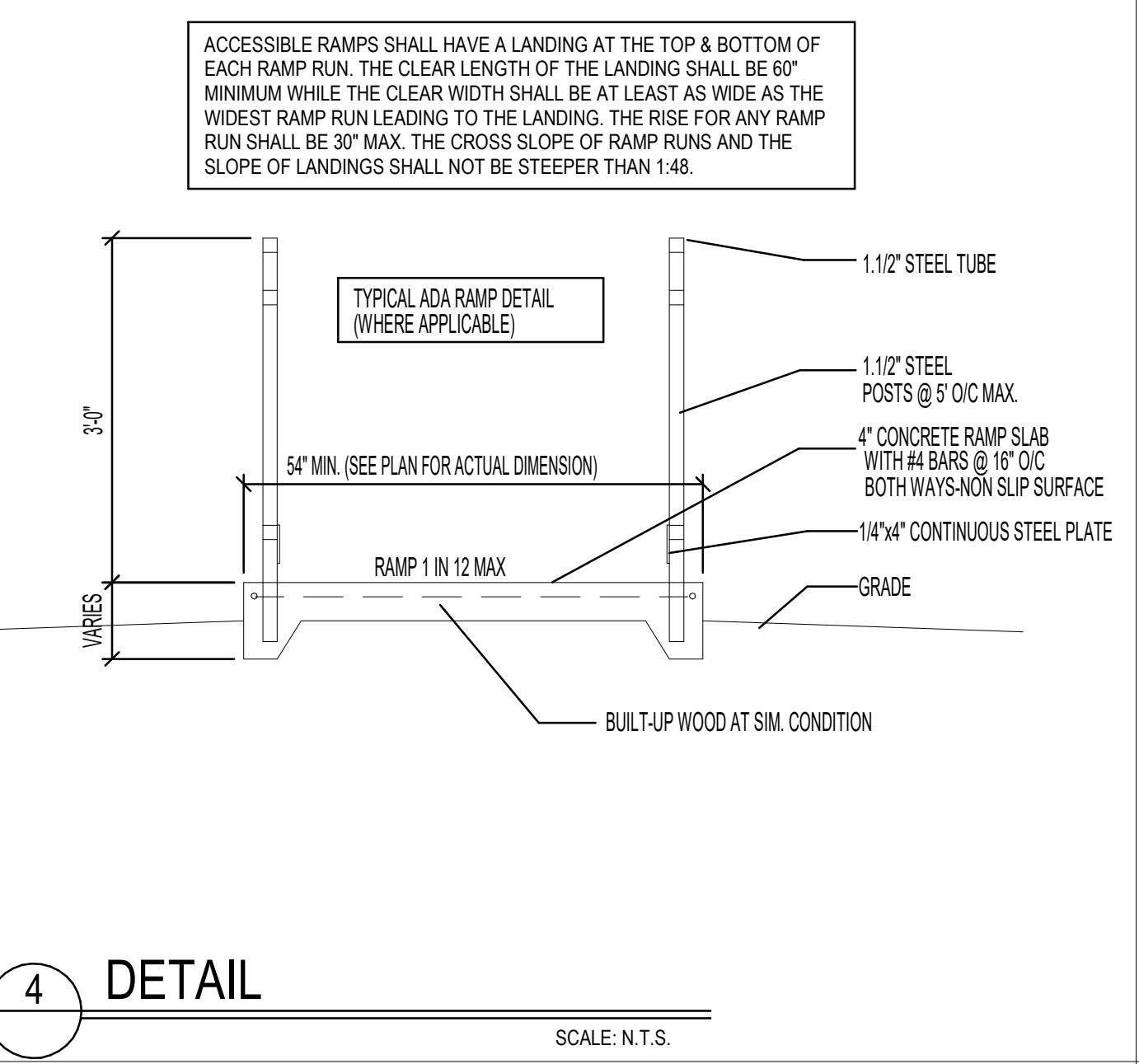
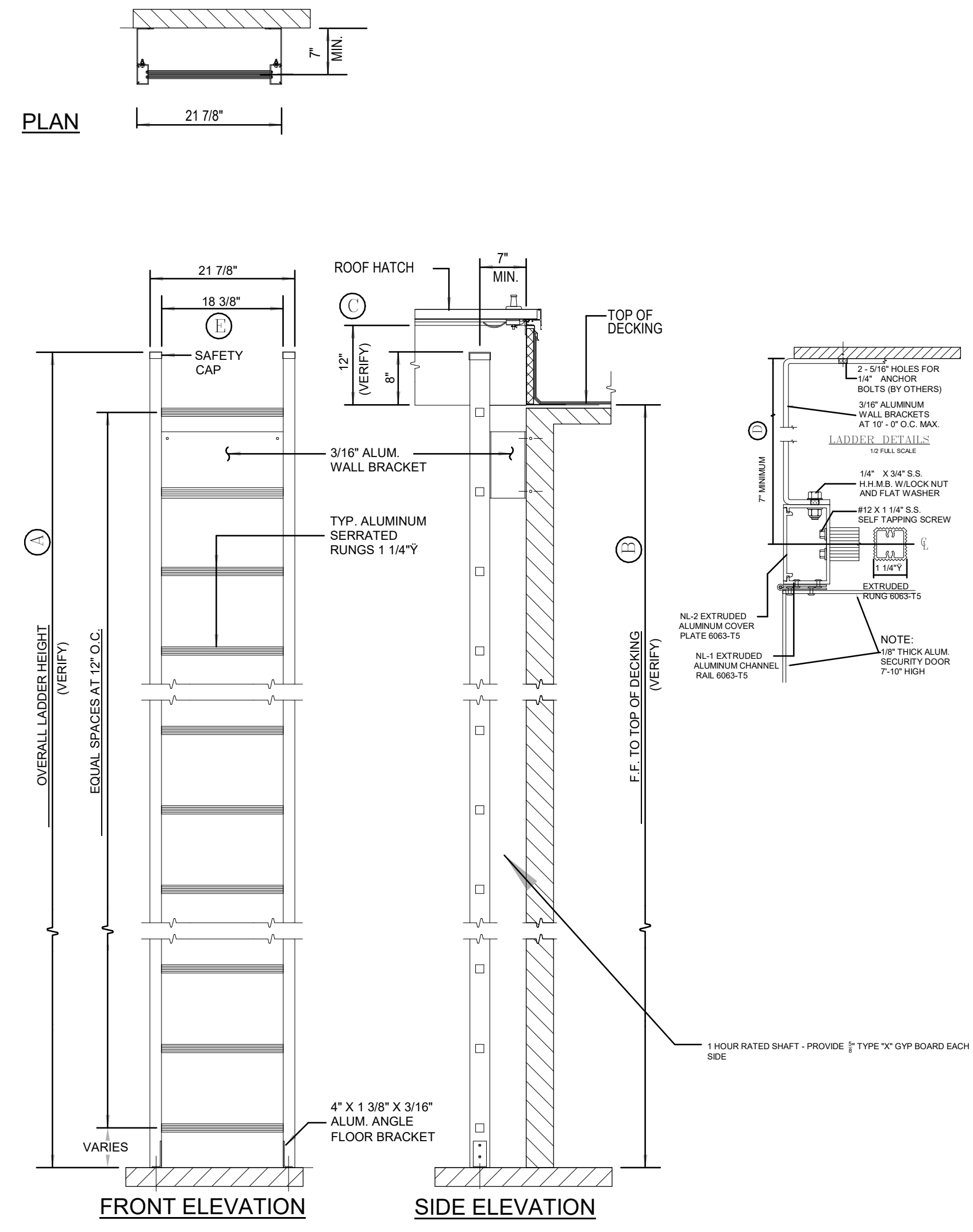
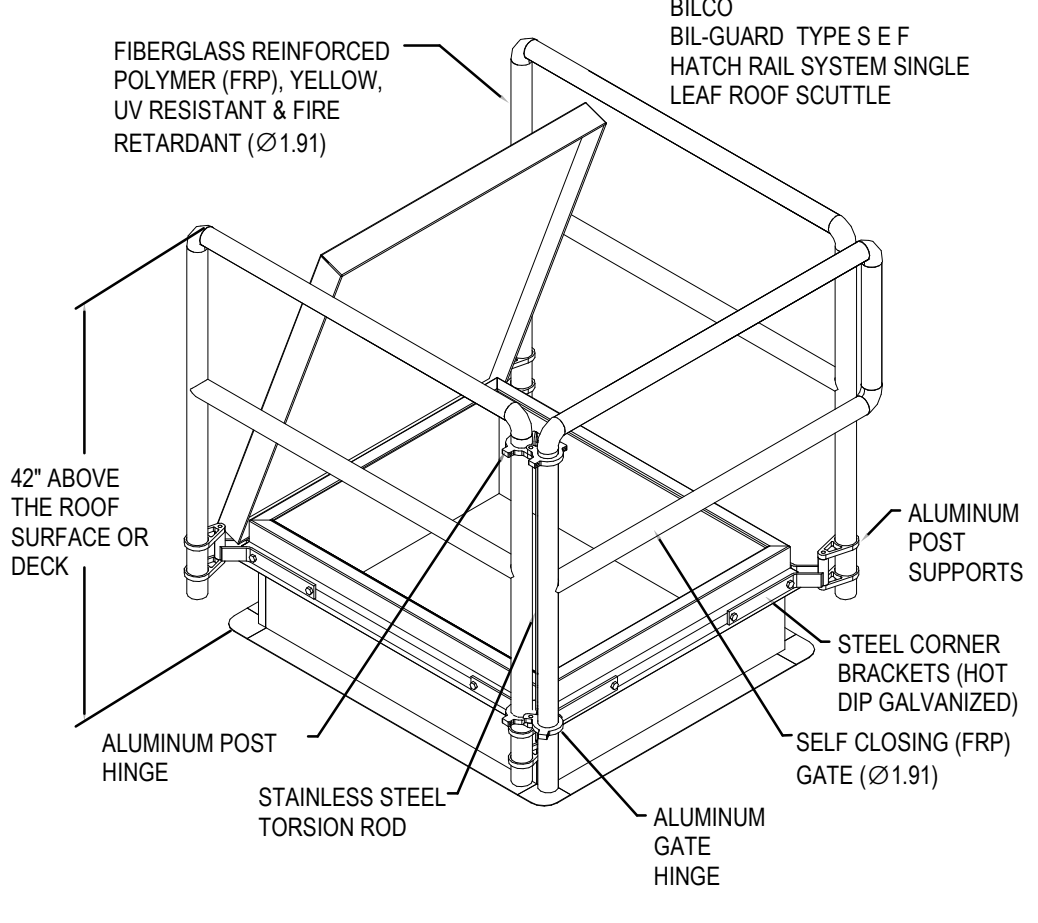
2A BOLLARD DETAIL
SCALE: N.T.S.



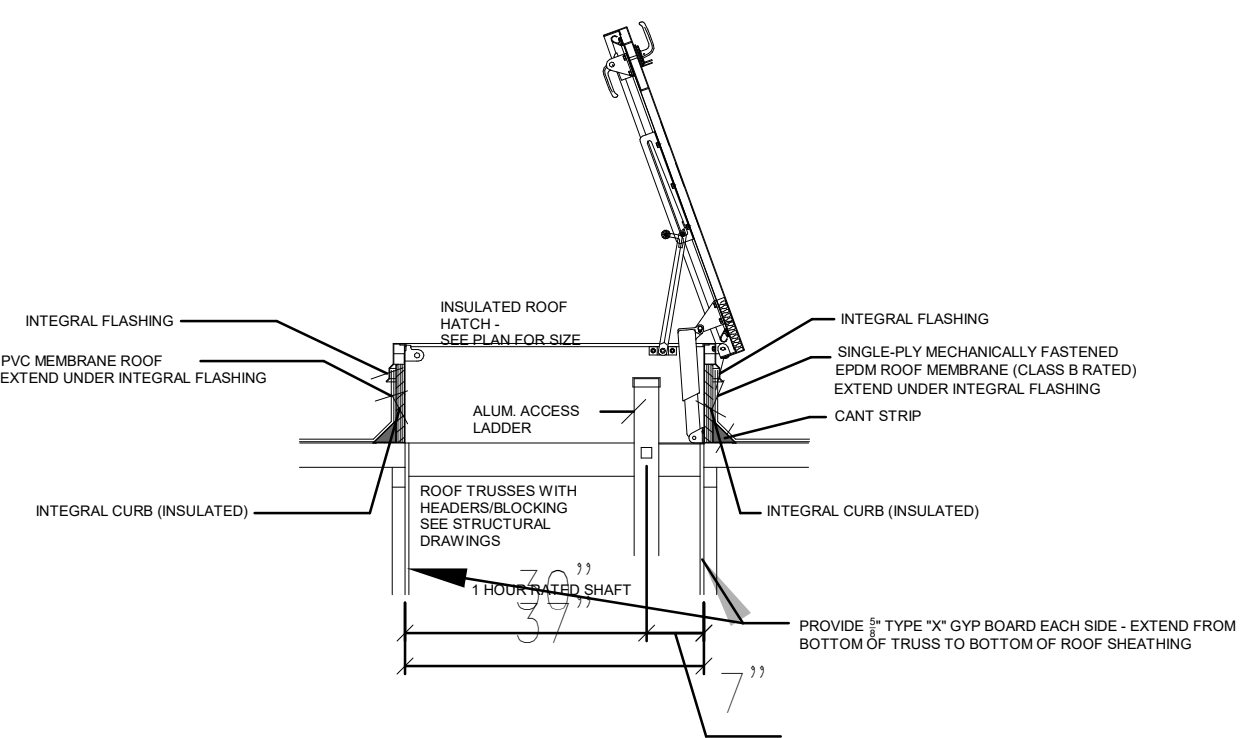
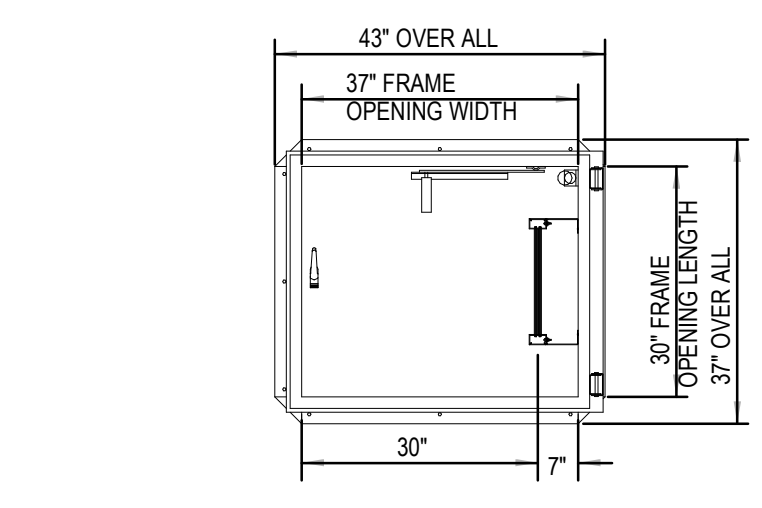
2B BOLLARD DETAIL
SCALE: N.T.S.



3 DETAIL
SCALE: N.T.S.



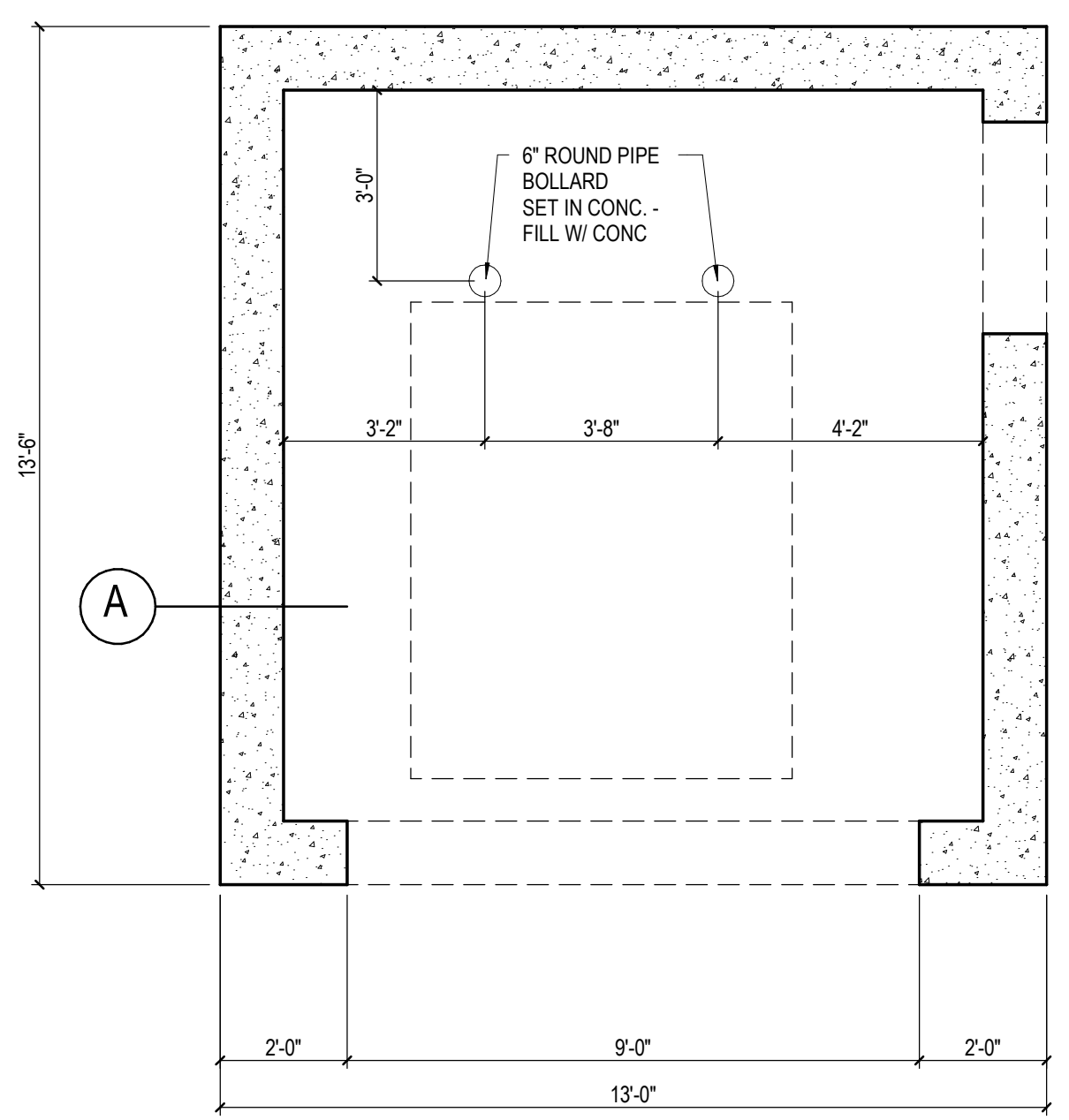
4 DETAIL
SCALE: N.T.S.



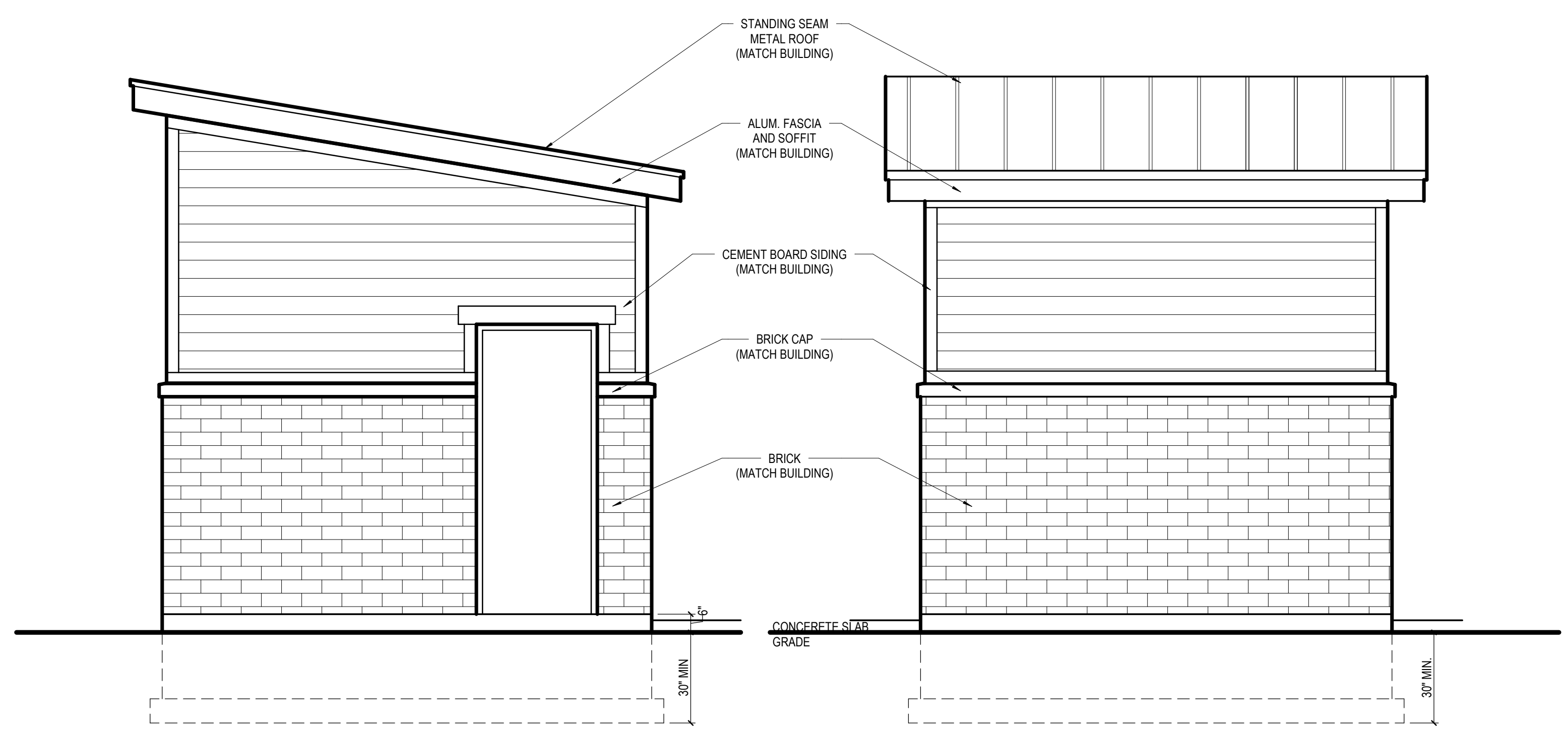
5 ROOF HATCH DETAILS
SCALE: N.T.S.



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.
 C:\ACAD\30th Street Apartments - ogden\Working\Ogden - 30th Street Apartments.rvt
 9/25/2019 4:13:10 PM

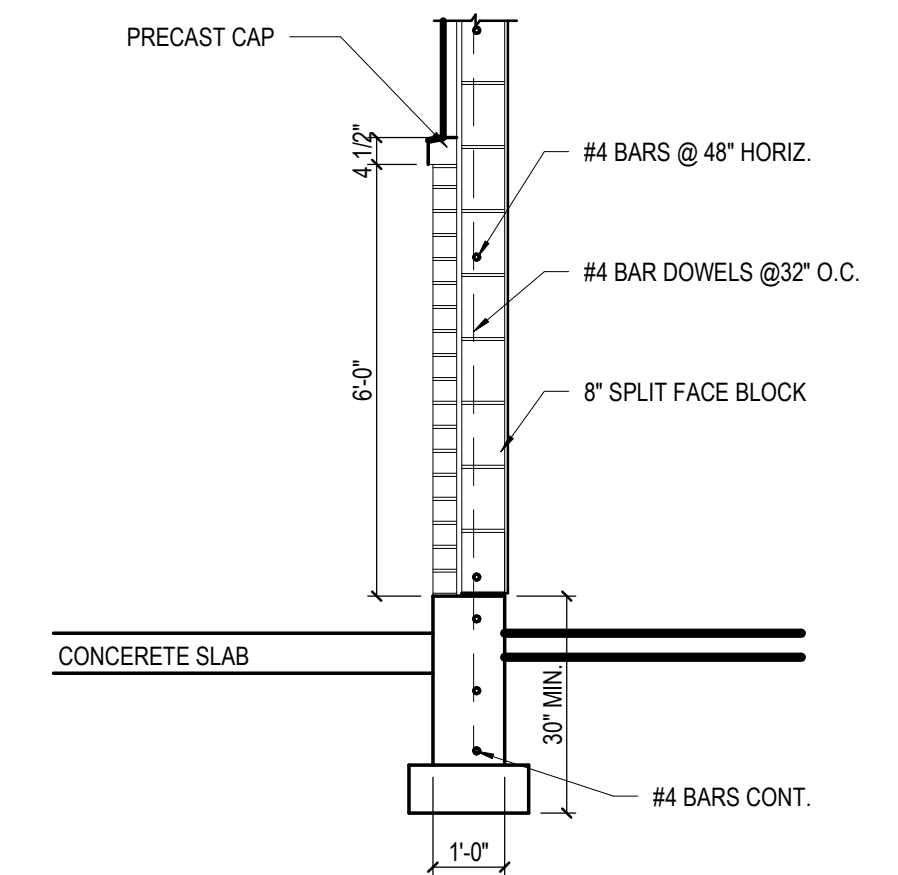


DUMPSTER FOOTING & FOUNDATION
SCALE: 3/8" = 1'-0"

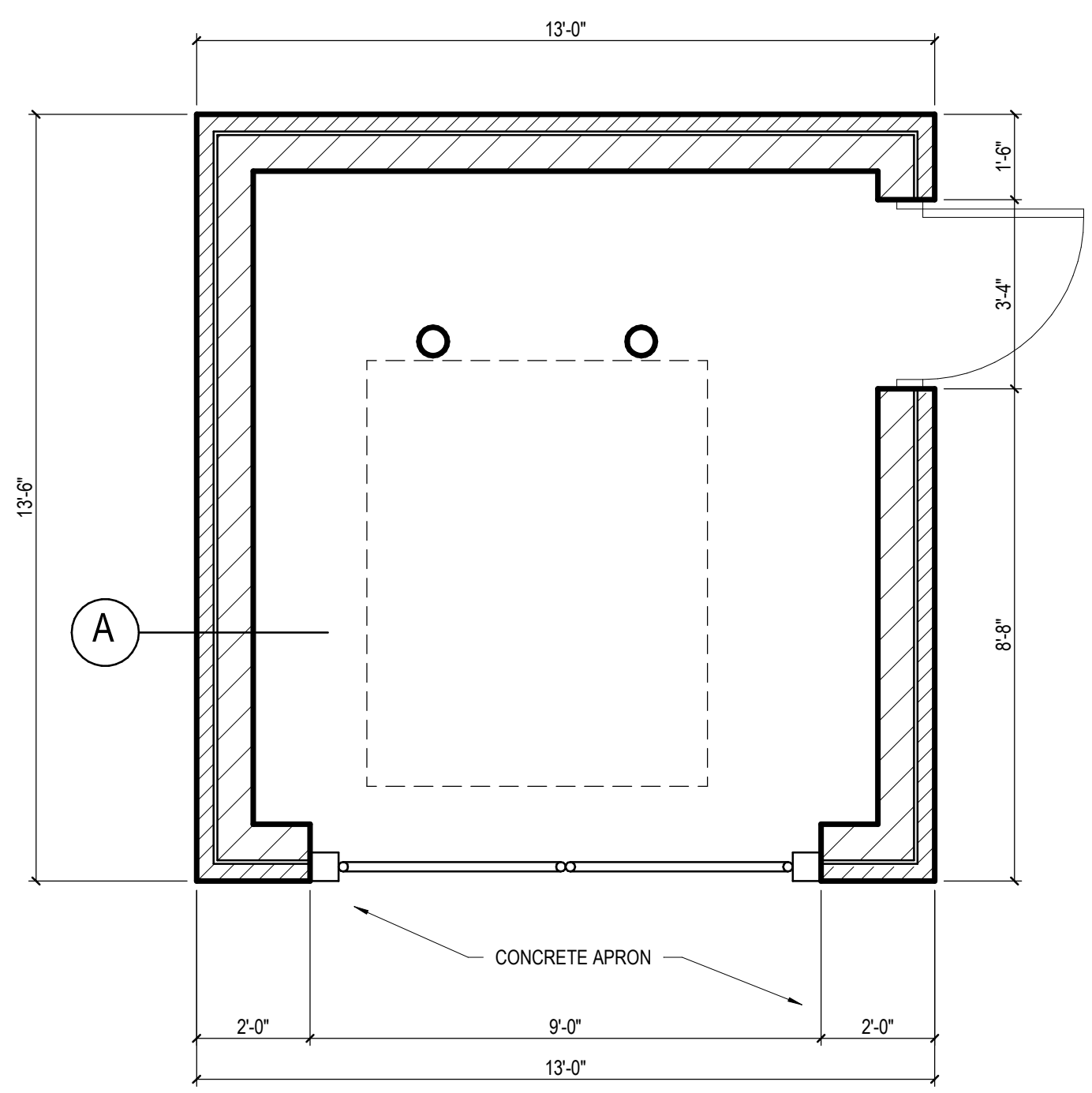


DUMPSTER RIGHT SIDE ELEVATION
SCALE: 3/8" = 1'-0"

DUMPSTER REAR ELEVATION
SCALE: 3/8" = 1'-0"

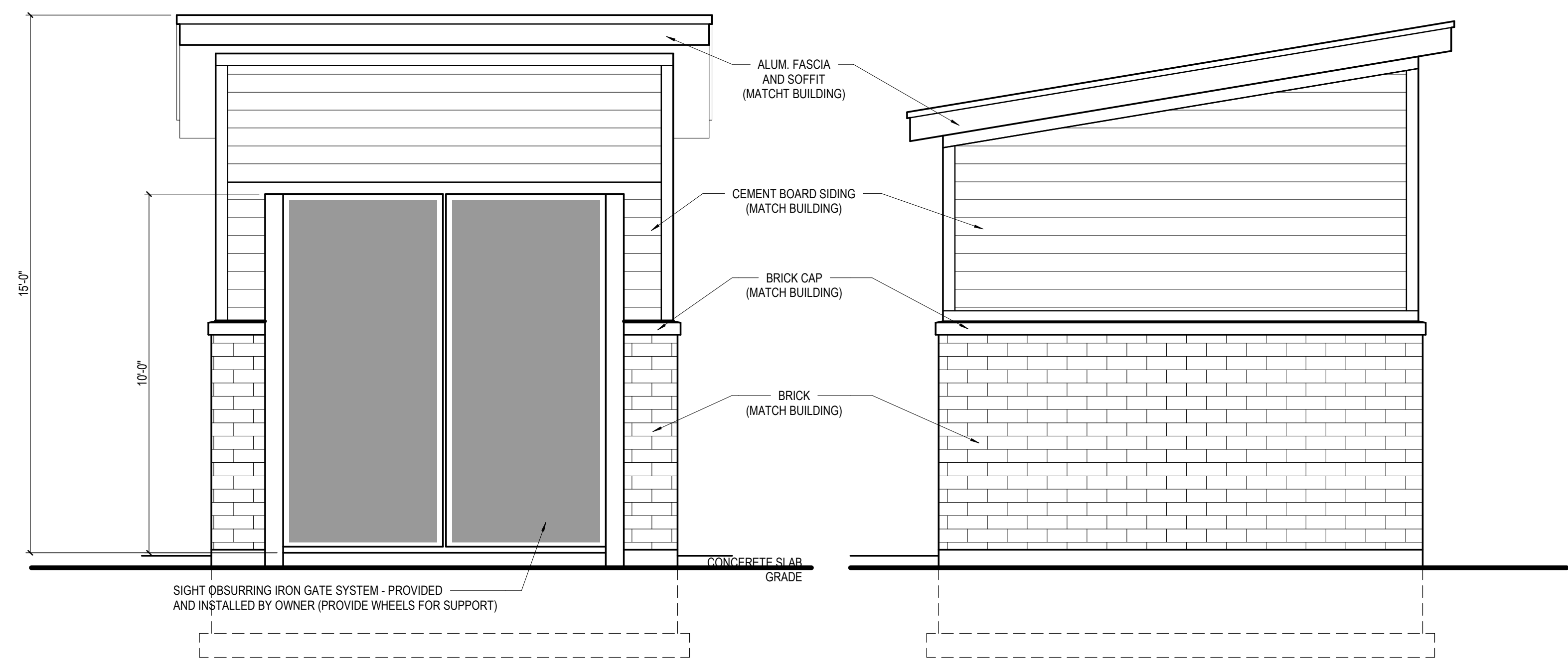


A DUMPSTER WALL SECTION
SCALE: 1/2" = 1'-0" BRICK and CONCRETE BLOCK



DUMPSTER PLAN
SCALE: 3/8" = 1'-0"

LOCATE SLEEVE FOR GATE DROP PIN FOR HOLD OPEN



DUMPSTER FRONT ELEVATION
SCALE: 3/8" = 1'-0"

DUMPSTER LEFT SIDE ELEVATION
SCALE: 3/8" = 1'-0"

NOTE: COORDINATE EXACT SIZE AND LOCATION WITH CIVIL DRAWINGS.

REVISIONS

DRAWN BY
Author

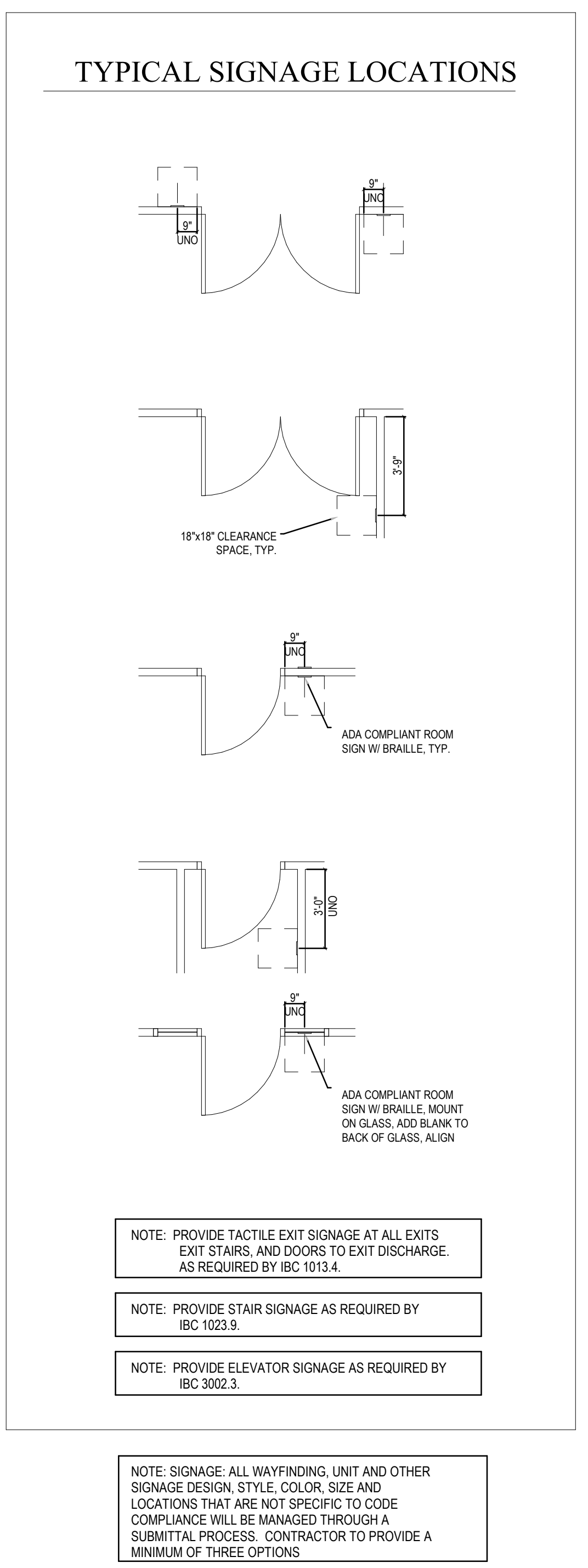
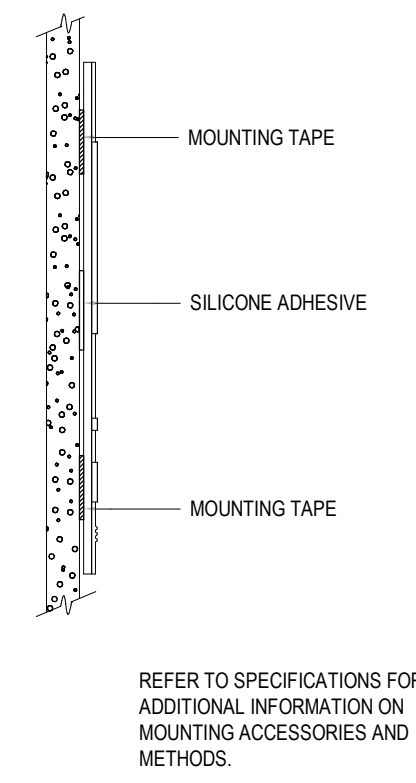
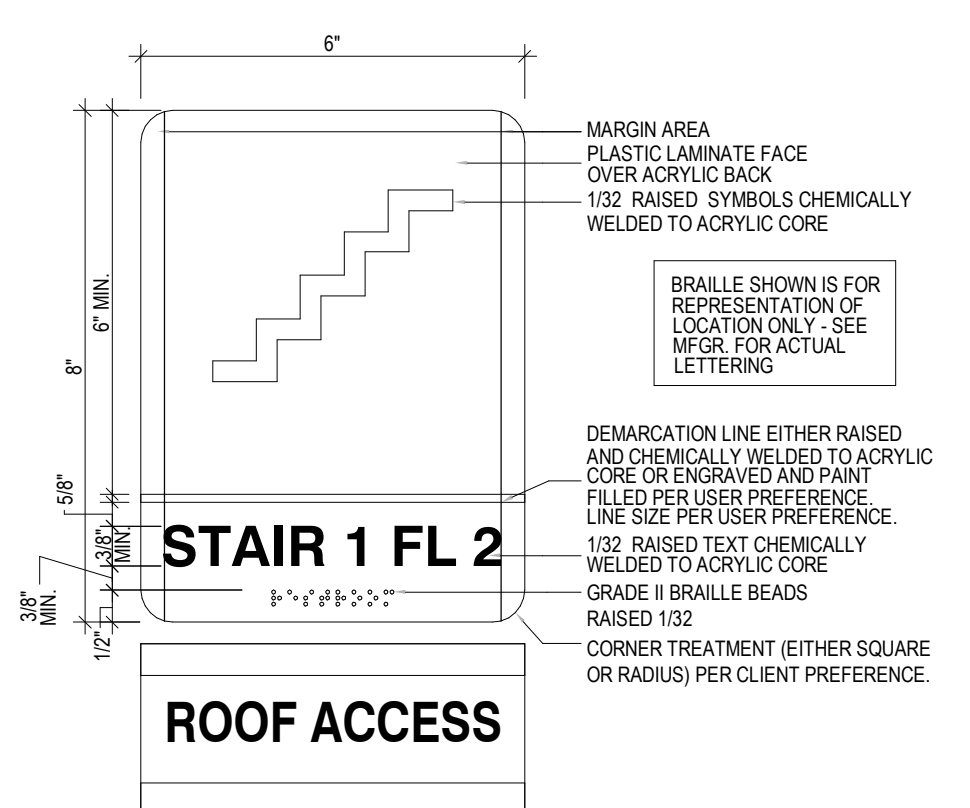
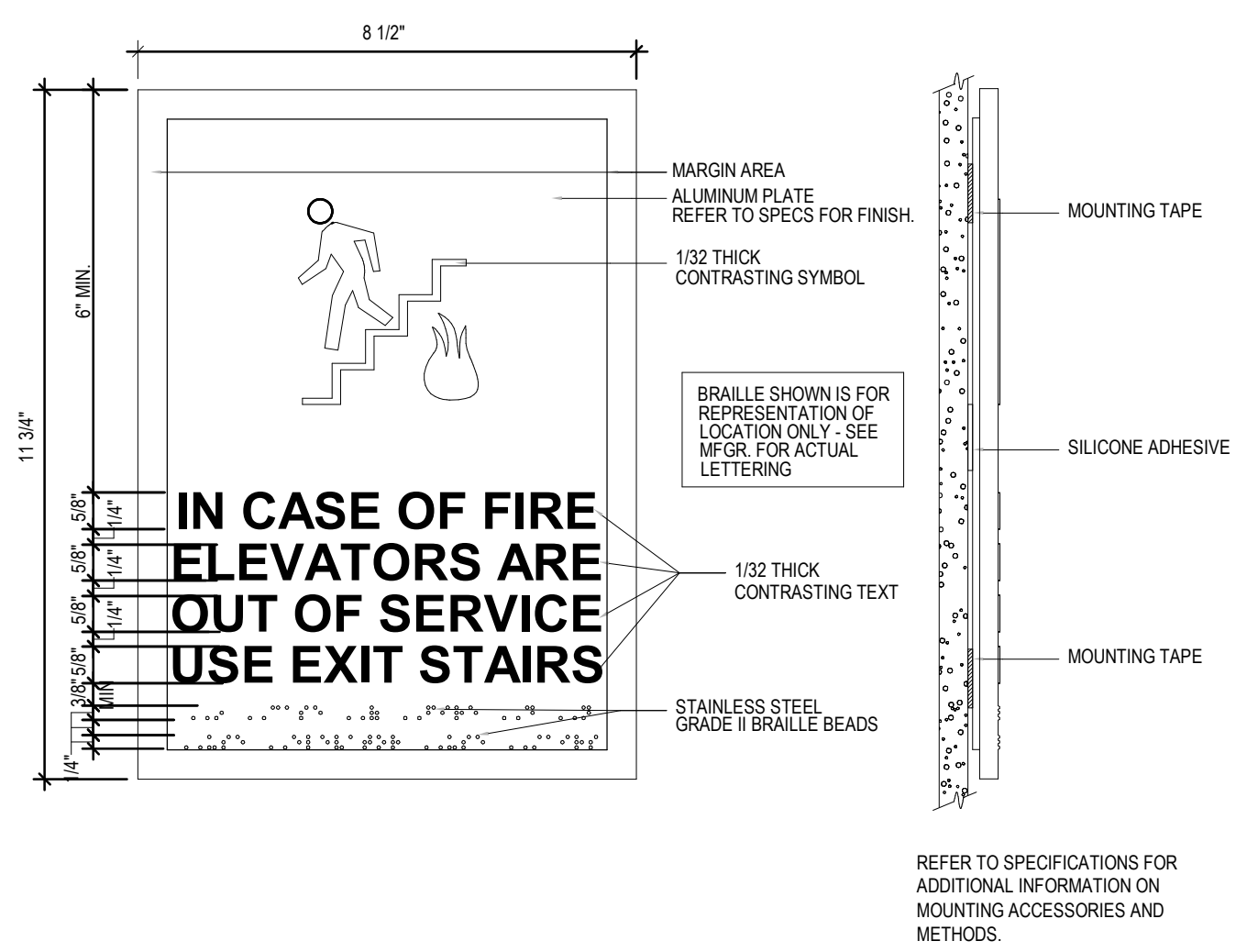
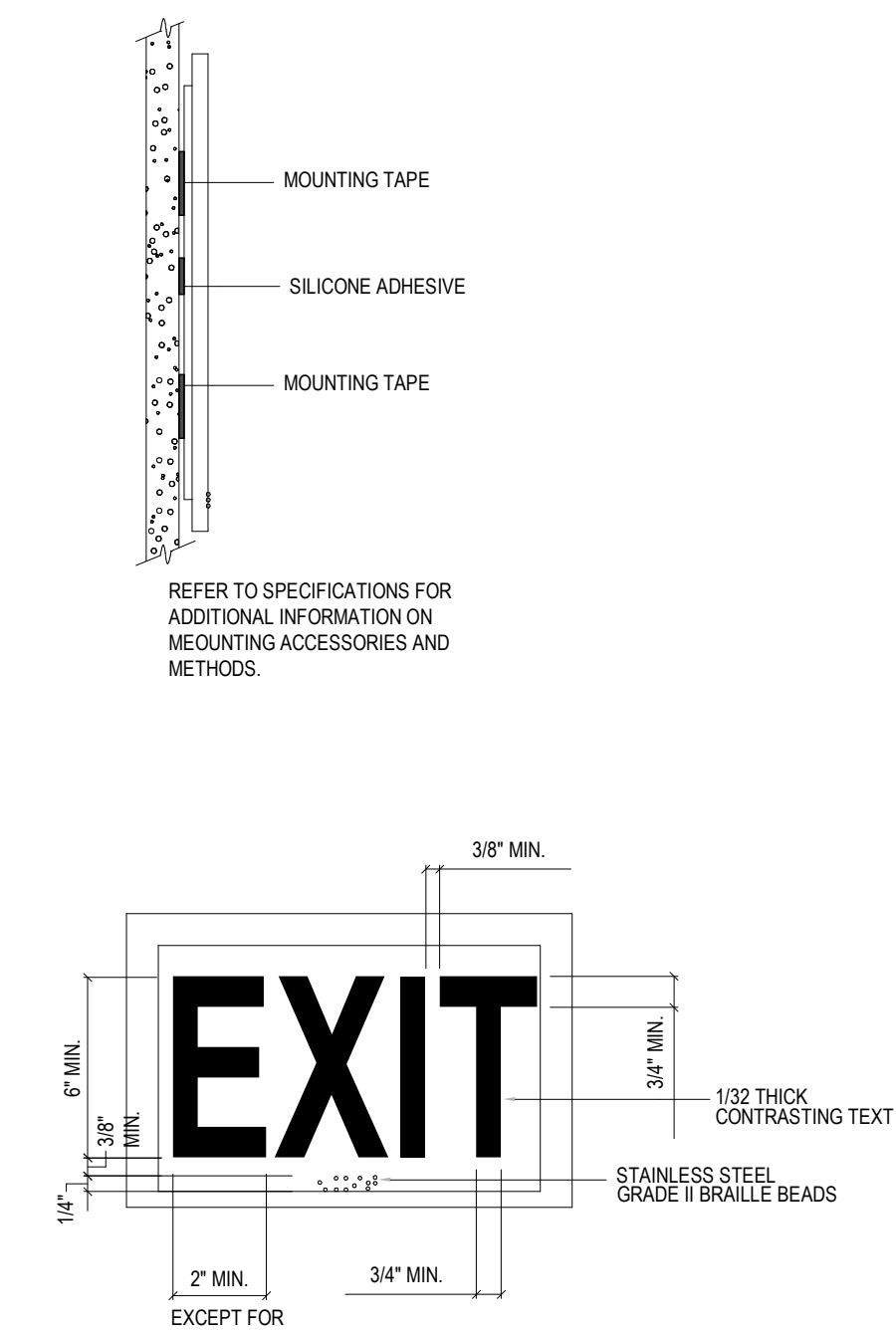
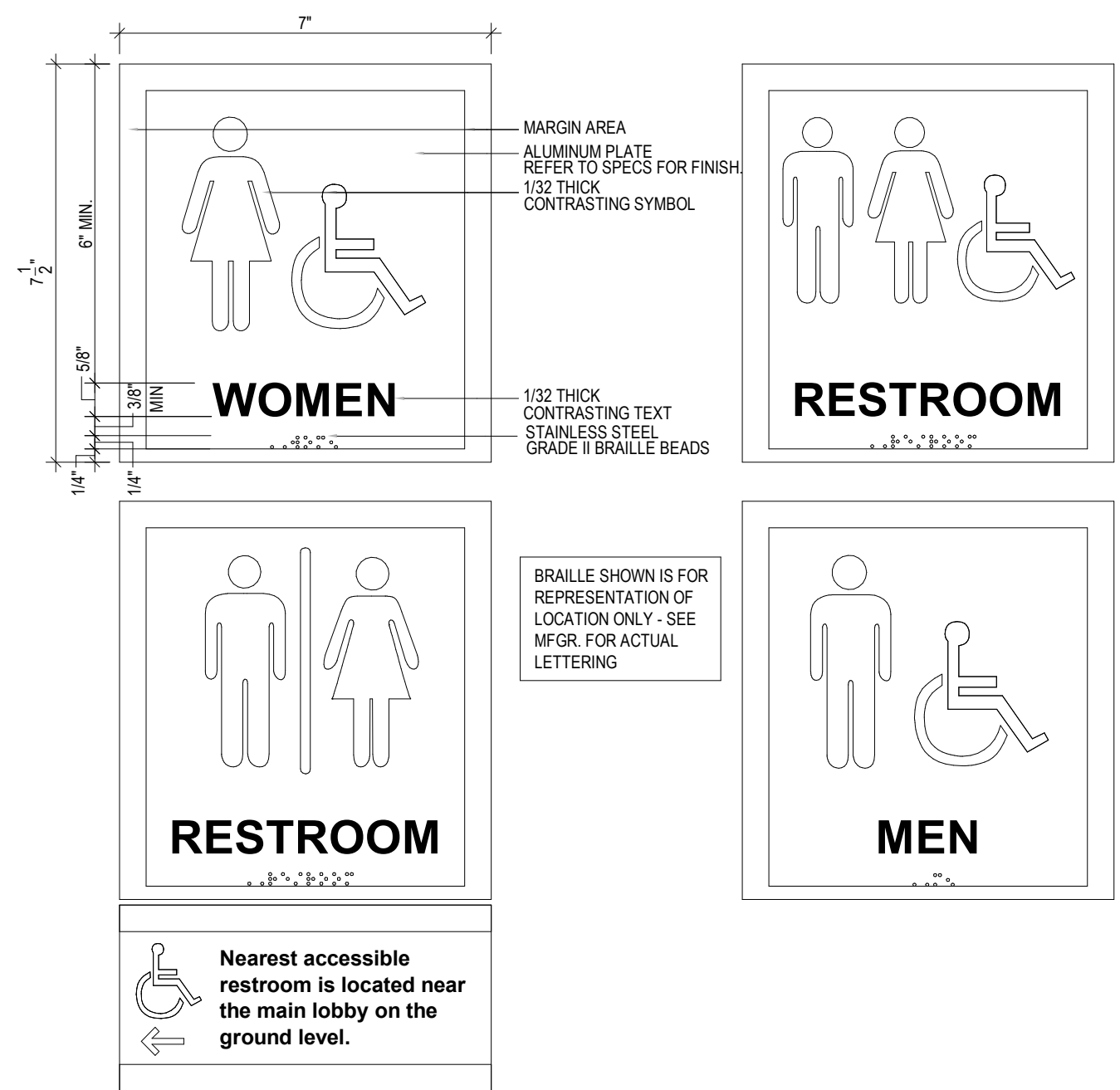
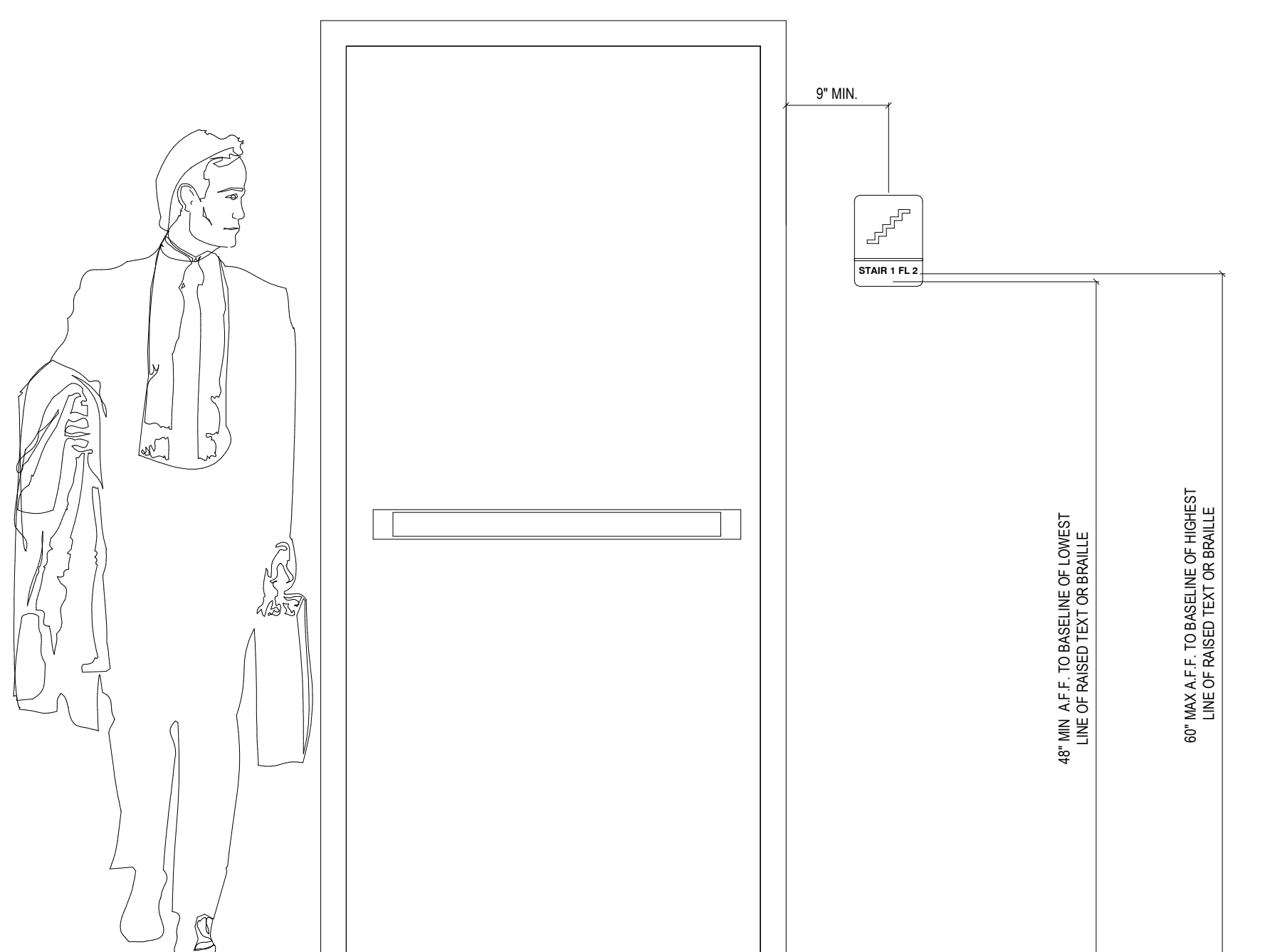
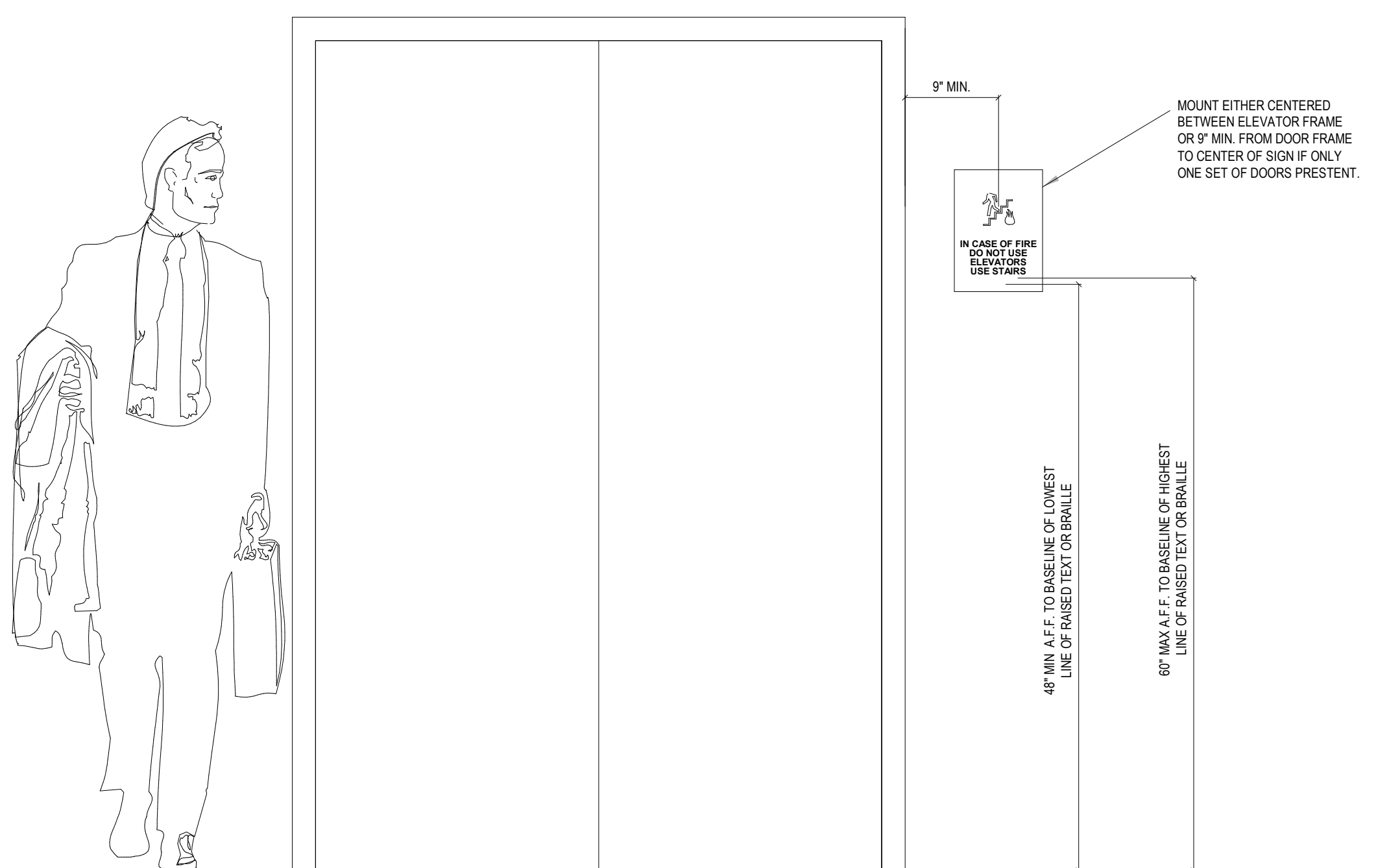
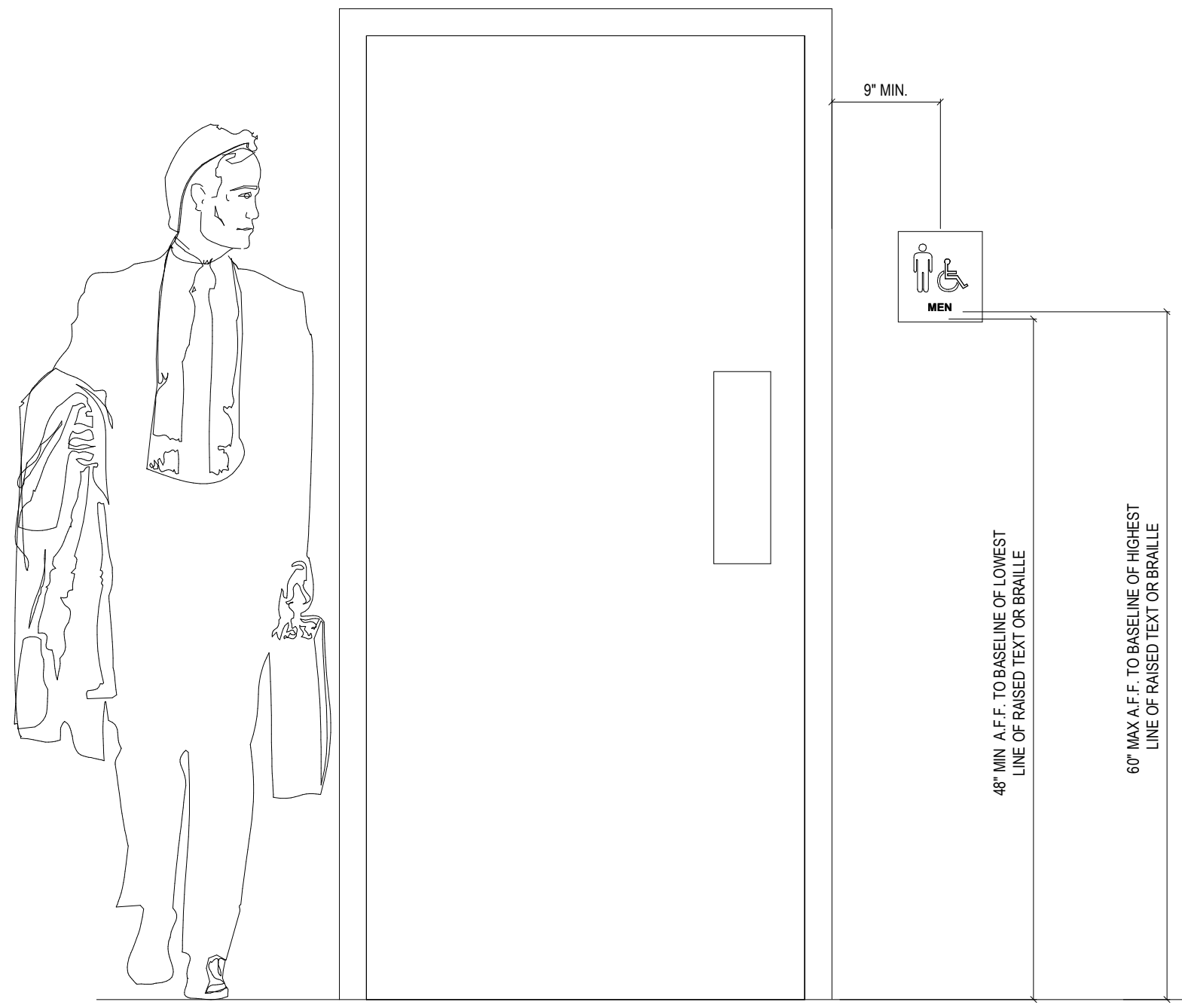
HARRIS ARCHITECTURE
 3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

30th STREET APARTMENTS
 DUMPSTER ENCLOSURE DETAILS

09/26/2019



A4.5



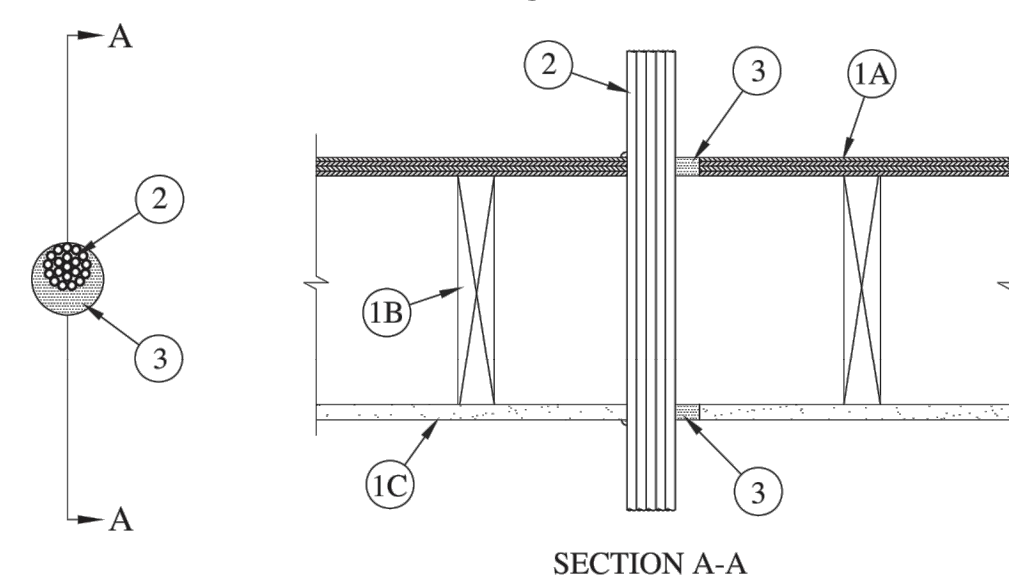
SIGNAGE DETAILS

NOT TO SCALE WHERE APPLICABLE



System No. F-C-3070

May 19, 2005
F Rating - 1 Hr
T Rating - 1 Hr



- Floor-Ceiling Assembly** - The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below.
 - Flooring System** - Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 3 in. (76 mm).
 - Wood Joists** - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
 - Gypsum Board*** - Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Max diam of opening is 3 in. (76 mm).
- Chase Wall** (Optional, not shown) - The through penetrators (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud/gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Nom 2 in. by 6 in. (51 mm by 152 mm) or double nom 2 in. by 4 in. (51 mm by 102 mm) lumber studs.
 - Sole Plate** - Nom 2 in. by 6 in. (51 mm by 152 mm) or parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted. Max diam of opening is 3 in. (76 mm).
 - Top Plate** - The double top plate shall consist of two nom 2 in. by 6 in. (51 mm by 152 mm) or two sets of parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted. Max diam of opening is 3 in. (76 mm).
 - Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
- Cables** - Max 2 in. diam cable bundle installed eccentrically or concentrically within opening. Annular space between cable bundle and periphery of opening to be min 0 in. (point contact) to max 1 in. (0 mm to 25 mm). Cable bundle to be rigidly supported on both sides of wall. The following types and sizes of cables may be used:
 - Max 200 pair No. 22 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacketing material.
 - Max 1 C No. 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) or PVC jacket.
 - Max 7 C No. 12 AWG (or smaller) copper conductor power and control cables with XLPE or PVC insulation with XLPE or PVC jacket.
 - Max 3 C No. 20 AWG (or smaller) copper or aluminum conductor SER cables with XLPE or PVC insulation and jacket.
 - Max 4 C No. 20 AWG (or smaller) copper conductor, aluminum clad or steel clad TECK 90 cable with or without PVC jacketed.
 - Max 110/125 fiber optic (FO) cable with PVC insulation and jacket.
 - Max 3 C with ground No. 8 AWG (or smaller) copper conductor NM cable with PVC insulation and jacket.
 - Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.
 - Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with Hytar jacket and insulation.
- Through Penetrating Product*** - Any cables, **Armored Cable*** or **Metal Clad Cable*** currently Classified under the Through Penetrating Product category.

See **Through Penetrating Product (XHLV)** category in the Fire Resistance Directory for names of manufacturers
- Fill, Void or Cavity Materials* - Caulk or Sealant** - Min 3/4 in. (19 mm) thickness of caulk applied within annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with bottom surface of ceiling or top plate. Min 1/4 in. (6 mm) diam bead of caulk applied at point contact locations at cable bundle/floor or sole plate interface on top surface of floor or sole plate and at cable bundle/ceiling or top plate interface.

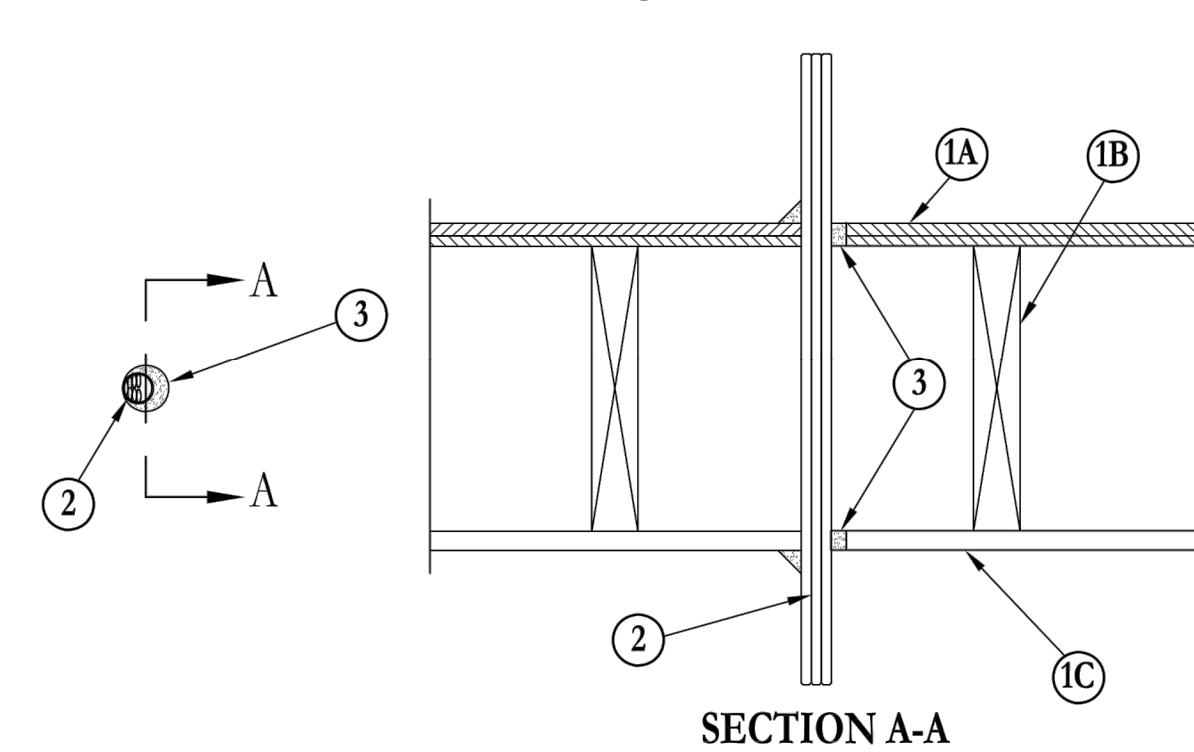
3M COMPANY - CP 25WB+; IC 15WB+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

System No. F-C-3048

May 18, 2005
F Rating - 1 Hr
T Rating - 1 Hr



- Floor-Ceiling Assembly** - The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below.
 - Flooring System** - Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 1-1/2 in. (38 mm).
 - Wood Joists** - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
 - Gypsum Board*** - Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Max diam of opening is 1-1/2 in. (38 mm).
- Chase Wall** (Optional, not shown) - The cables (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud/gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Nom 2 in. by 6 in. (51 mm by 152 mm) or double nom 2 in. by 4 in. (51 mm by 102 mm) lumber studs.
 - Sole Plate** - Nom 2 in. by 6 in. (51 mm by 152 mm) or parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted.
 - Top Plate** - The double top plate shall consist of two nom 2 in. by 6 in. (51 mm by 152 mm) or two sets of parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted. Max diam of opening is 1-1/2 in. (38 mm).
 - Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
- Cables** - Max three conductor with ground No. 12 AWG (or smaller) NM copper cable with polyvinyl chloride insulation and jacket materials or No. 20 AWG (or smaller) Type RG coaxial cable with polyvinyl chloride insulation. Min one cable to max seven cables tightly bundled to be installed eccentrically or concentrically in opening with annular space between the cables and the periphery of the opening of min 0 in. (point contact) to max 1-1/4 in. (0 mm to 32 mm). Cables to be rigidly supported on both sides of Floor-Ceiling assembly.
 - Fill, Void or Cavity Materials* - Caulk or Sealant** - Min 3/4 in. (19 mm) thickness of caulk applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with bottom surface of ceiling or top plate. Min 1/2 in. (13 mm) diam bead of caulk applied at the cable/floor or sole plate interface at point contact location on the top surface of floor or sole plate and at the cable/ceiling or top plate interface at point contact location.

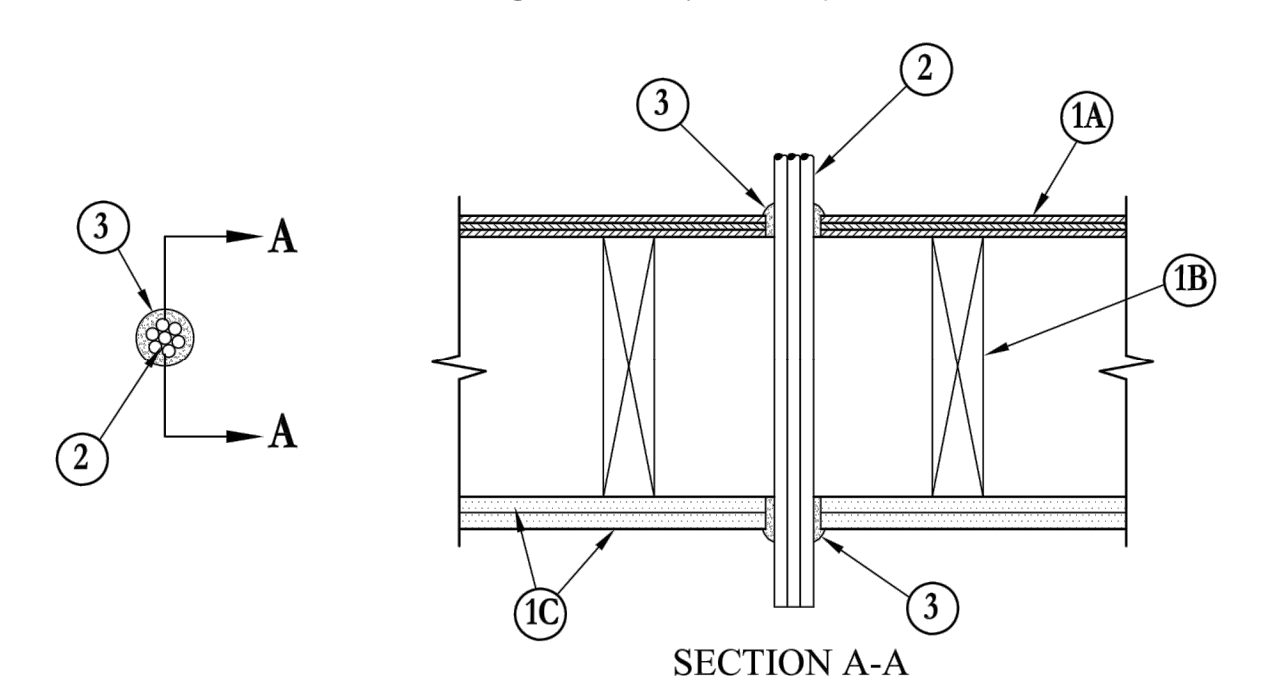
3M COMPANY - FireDam 150+; CP 25WB+; IC 15WB+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

System No. F-C-3017

September 03, 2004
F Rating - 1 and 2 Hr (See Item No. 1)
T Rating - 1 and 1-1/2 Hr (See Item No. 1)



- Floor-Ceiling Assembly** - The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The 2 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in Design Nos. L505, L511 or L536 in the UL Fire Resistance Directory. The **F Rating of the firestop system is equal to the rating of the floor-ceiling assembly.** The **T Rating of the firestop system is 1 and 1-1/2 hr for 1 and 2 hr rated floor-ceiling assemblies, respectively.** The general construction features of the floor-ceiling assembly are summarized below:
 - Flooring System** - Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 1-1/2 in.
 - Wood Joists** - For 1 hr fire-rated floor-ceiling assemblies, nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped. For 2 hr fire-rated floor-ceiling assemblies, nom 2 by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped.
 - Gypsum Board*** - Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. First layer of wallboard nailed to wood joists. Second layer of wallboard (2 hr fire-rated assembly) screw-attached to furring channels. Max diam of opening is 1-1/2 in.
- Chase Wall** (Optional not shown) - The through penetrators (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud/gypsum wallboard chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs.
 - Sole Plate** - Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted.
 - Top Plate** - The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max diam of opening is 1-1/2 in.
 - Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
- Fill, Void or Cavity Materials* - Caulk, Sealant or Putty** - Min 3/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. or 1-1/4 in. thickness of fill material, for 1 and 2 hr rated assemblies, respectively, applied within the annulus, flush with bottom surface of ceiling or top plate. An additional min 1/4 in. crown of fill material applied to perimeter of penetrant at its egress from the top of flooring and underside of ceiling or from top of sole plate and underside of top plate.

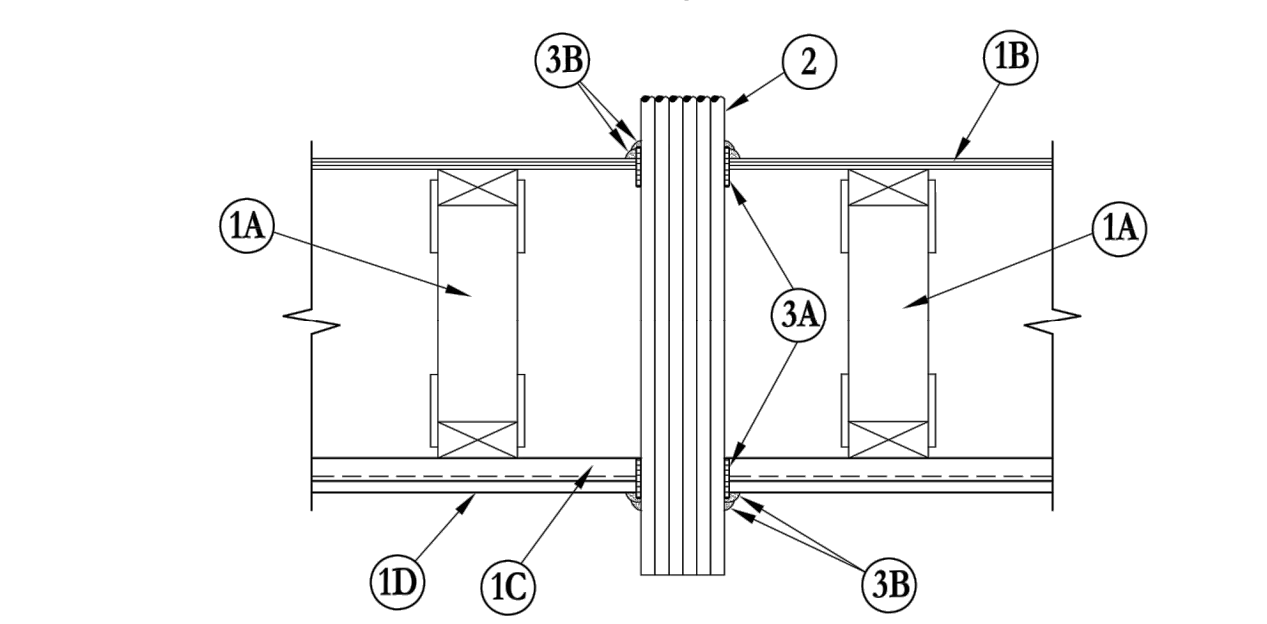
3M COMPANY - CP 25WB+ Caulk, FB-3000 WT sealant or MP+ Sixt Putty

*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

System No. F-C-3008

May 18, 2005
F Rating - 1 Hr
T Rating - 1 Hr



- Floor Assembly** - The 1 hr fire rated wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory, as summarized below:
 - Trusses** - Min 12 in. (305 mm) deep parallel chord trusses fabricated from nom 2 in. by 4 in. (51 mm by 102 mm) lumber in conjunction with galv steel truss plates with bridging as required.
 - Flooring** - Nom 3/4 in. (19 mm) thick plywood flooring with or without **Floor Topping Mixture***. Max diam of opening is 3-1/2 in. (89 mm).
 - Furring Channels** - Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
 - Gypsum Board*** - Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick, screw-attached to furring channels.
- Chase Wall** (Optional, not shown) - The through penetrators (Item No. 2) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Nom 2 in. by 6 in. (51 mm by 152 mm) or double nom 2 in. by 4 in. (51 mm by 102 mm) lumber studs.
 - Sole Plate** - Nom 2 in. by 6 in. (51 mm by 152 mm) or parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted.
 - Top Plate** - The double top plate shall consist of two nom 2 in. by 6 in. (51 mm by 152 mm) or two sets of parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted.
 - Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
- Firestop System** - The details of the firestop system shall be as follows:
 - Fill, Void or Cavity Materials* - Wrap Strip** - Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips tightly wrapped around cable bundle (foil side exposed), secured with two steel wires and tied into the ceiling in flooring (Item 1B) and in gypsum wallboard ceiling (Item 1D) or the sole plate (Item 1B) and top plate (Item 1C) of the chase wall. Bottom edge of wrap strip to project 9/16 in. to 1 1/16 in. (14 mm to 17.5 mm) below bottom surface of flooring and below bottom (ceiling) surface of gypsum wallboard or the bottom edge of the top plate.

3M COMPANY - FS-195+
 - Fill, Void or Cavity Materials* - Caulk, Sealant or Putty** - Applied to fill interface between cables, to the max extent possible, within confines of wrap strip at both the floor and ceiling elevations. Nom 1/4 in. (6 mm) thickness of caulk or putty to be applied to the exposed edge of the wrap strip layer (top of flooring or sole plate and bottom of gypsum wallboard ceiling or top plate). Generous application of caulk or putty to be applied to fill all gaps at the wrap strip/flooring and wrap strip/gypsum wallboard ceiling or wrap strip/top plate interfaces.

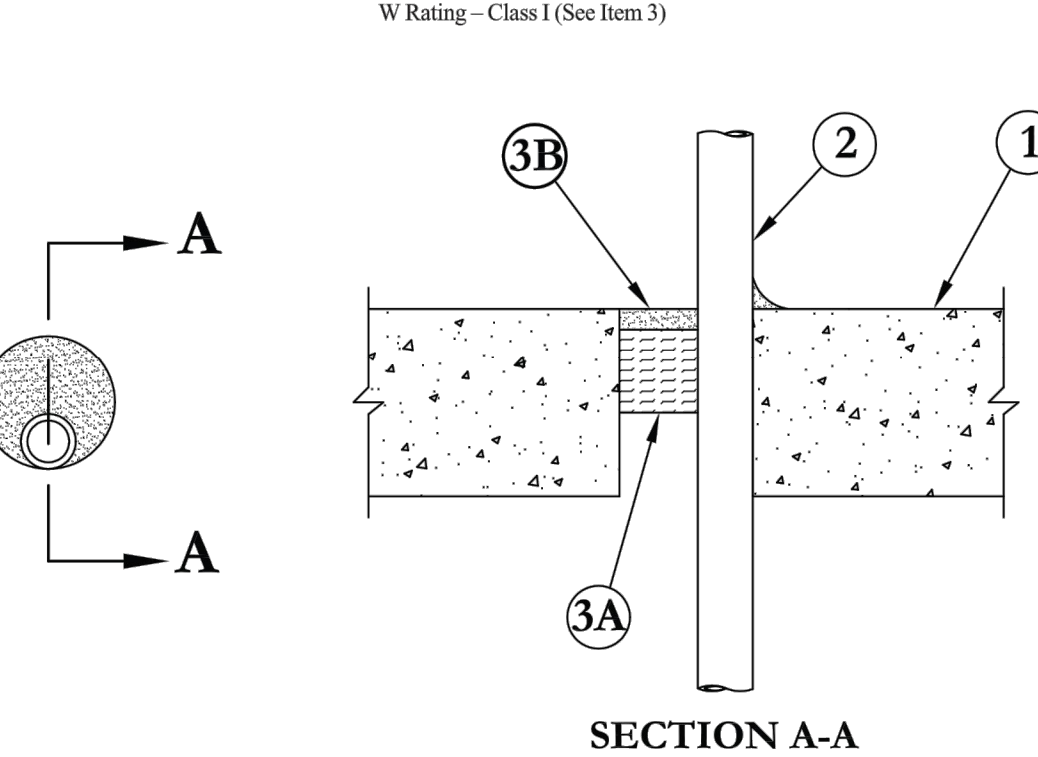
3M COMPANY - CP 25WB+; IC 15WB+; FireDam 150+ caulk, FB-3000 WT sealant, or MP+ Sixt putty

*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

System No. C-AJ-2213

May 18, 2005
F Rating - 2 Hr
T Rating - 2 Hr
W Rating - Class 1 (See Item 3)



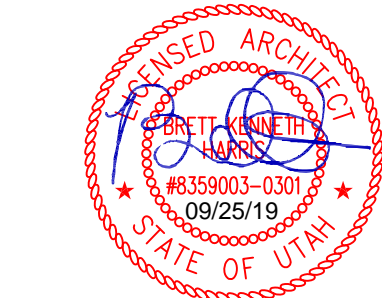
- Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 3 in. (76 mm).

See **Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.
- Crosslinked Polyethylene (PEX) Tubing** - Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems installed either concentrically or eccentrically within the firestop system. The annular space between tubing and periphery of opening shall be min 0 in. (point contact) to max 7/8 in. (0 mm to 48 mm). Tubing to be rigidly supported on both sides of floor or wall assembly.
 - Firestop System** - The details of the firestop system shall be as follows:
 - Packing Material** - Min 2 in. (51 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - Fill, Void or Cavity Material* - Caulk or Sealant** - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. Min 1/2 in. (13 mm) diam bead of caulk applied to the concrete/tubing interface at the point contact location on the top surface of floor or both surfaces of wall.

3M COMPANY - CP 25WB+; IC 15WB+ caulk or FB-3000 WT sealant. (Note: W Rating applies only when FB-3000 WT sealant is used.)

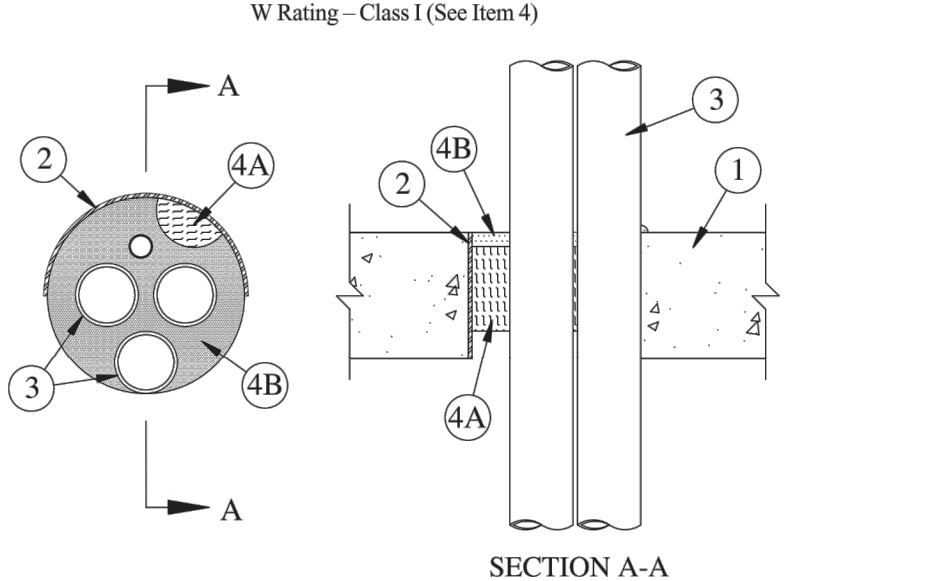
*Bearing the UL Classification Mark

Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc. Copyright © 2011 Underwriters Laboratories Inc.®



System No. C-AJ-1428

May 18, 2005
F Rating - 2 Hr
T Rating - 2 Hr
W Rating - Class 1 (See Item 4)



- Floor or Wall Assembly** - Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floors or min 3 in. (76 mm) thick reinforced lightweight or normal weight concrete walls. Floor assembly may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core **Prestressed Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening 12 in. (305 mm). Max diam of opening in floors constructed of hollow-core concrete is 7 in. (178 mm).

See **Concrete Blocks (CAZT)** and **Prestressed Concrete Units (CFTV)** categories in Fire Resistance Directory for names of manufacturers.
- Steel Sleeve** (Optional) - Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast or grouted into floor or wall assembly. Steel sleeve may be installed flush or may project max 2 in. (51 mm) beyond the floor or wall surfaces.
 - Through Penetrators** - One or more metallic pipes, conduits, tubes or flexible metal pipes installed concentrically or eccentrically within opening. Annular space between penetrators and periphery of opening or sleeve shall be min 0 in. (point contact) to max 2-1/2 in. (0 mm to 64 mm). The space between penetrators shall be min 0.14 in. to max 2-1/2 in. (6 mm to max 64 mm). Penetrators to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrators may be used:
 - Steel Pipe** - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe** - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
 - Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel conduit or electrical metallic tubing.
 - Copper Tubing** - Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe** - Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Through Penetrating Product*** - **Flexible Metal Piping**. The following types of steel flexible metal gas piping may be used:
 - Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
 - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
- Firestop System** - The details of the firestop system shall be as follows:
 - Packing Material** - Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or top edge of sleeve or from both surfaces of wall or from both surfaces of solid concrete or concrete block wall as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor or sleeves as required to accommodate the required thickness of fill material.
 - Fill, Void or Cavity Materials* - Caulk or Sealant** - Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor or top edge of sleeve or with both surfaces of wall or both ends of sleeves. In floors constructed of hollow-core concrete, min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve. Min 1/4 in. (6 mm) diam bead of caulk applied to the penetrant/concrete or penetrant/sleeve interface at the point contact location on the top surface of floor or both surfaces of wall or hollow-core concrete.

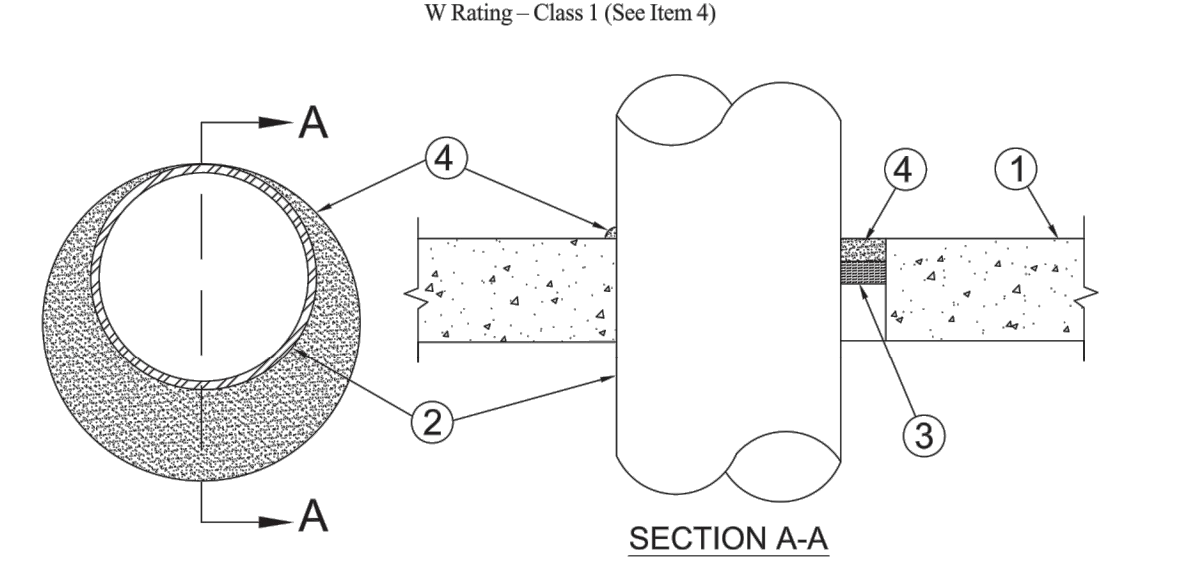
3M COMPANY - IC 15WB+; CP 25WB+ caulk or FB-3000 WT sealant. (Note: W Rating applies only when FB-3000 WT is used.)

*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2006 edition of the UL Fire Resistance Directory. ©UL

System No. C-AJ-1001

March 05, 2007
F Rating - 3 Hr
T Rating - 3 Hr
W Rating - Class 1 (See Item 4)



- Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of circular through opening is 32-1/2 in. (826 mm).

See **Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve** (Optional, not shown) - Nom 12 in. (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe sleeve cast into concrete floor or wall. Sleeve to be flush with or project max 2 in. (51 mm) from top surface of floor or from both surfaces of wall. As an alternate, nom 12 in. (305 mm) diam (or smaller) sleeve fabricated from nom 0.019 in. (0.48 mm) thick galv steel cast or grouted into floor or wall assembly flush with floor or wall surfaces.
 - Through Penetrant** - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1-3/8 in. (35 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe** - Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe** - Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
 - Conduit** - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
 - Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
 - Packing Material** - Polyethylene backer rod or nom 1 in. (25 mm) thickness of tightly-packed ceramic (alumina silica) fiber blanket, mineral wool batt or glass fiber insulation material used as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of solid concrete or concrete block wall as required to accommodate the required thickness of caulk. Fill material (Item 4). As an alternate when max pipe size is 10 in. (254 mm) diam and when annular space is 1 in. (25 mm), a min 1 in. (25 mm) thickness of tightly-packed ceramic fiber blanket or mineral wool batt packing material may be recessed min 1/2 in. (13 mm) from bottom surface of floor or from either side of solid concrete wall.
 - Fill, Void or Cavity Materials* - Caulk or Sealant** - Applied to fill the annular space to the min thickness shown in the following table:

Max Pipe Diam in. (mm)	Max Annular Space in. (mm)	Packing Mat Type (a)	Min Caulk Thkns in. (mm)
10 (254)	1 (25)	BR, CF, GF or MW	1/2 (13) (b)
10 (254)	1 (25)	CF or MW	1/2 (13) (c)
30 (762)	2-1/2 (64)	BR, CF, GF or MW	1 (25) (b)

(a) BR = Polyethylene backer rod.
(b) CF = Ceramic fiber blanket.
(c) GF = Glass fiber insulation.
(d) MW = Mineral wool batt.
(e) Caulk installed flush with top surface of floor or both surfaces of wall.
(f) Caulk installed flush with bottom surface of floor or one surface of solid (non-concrete block) wall.

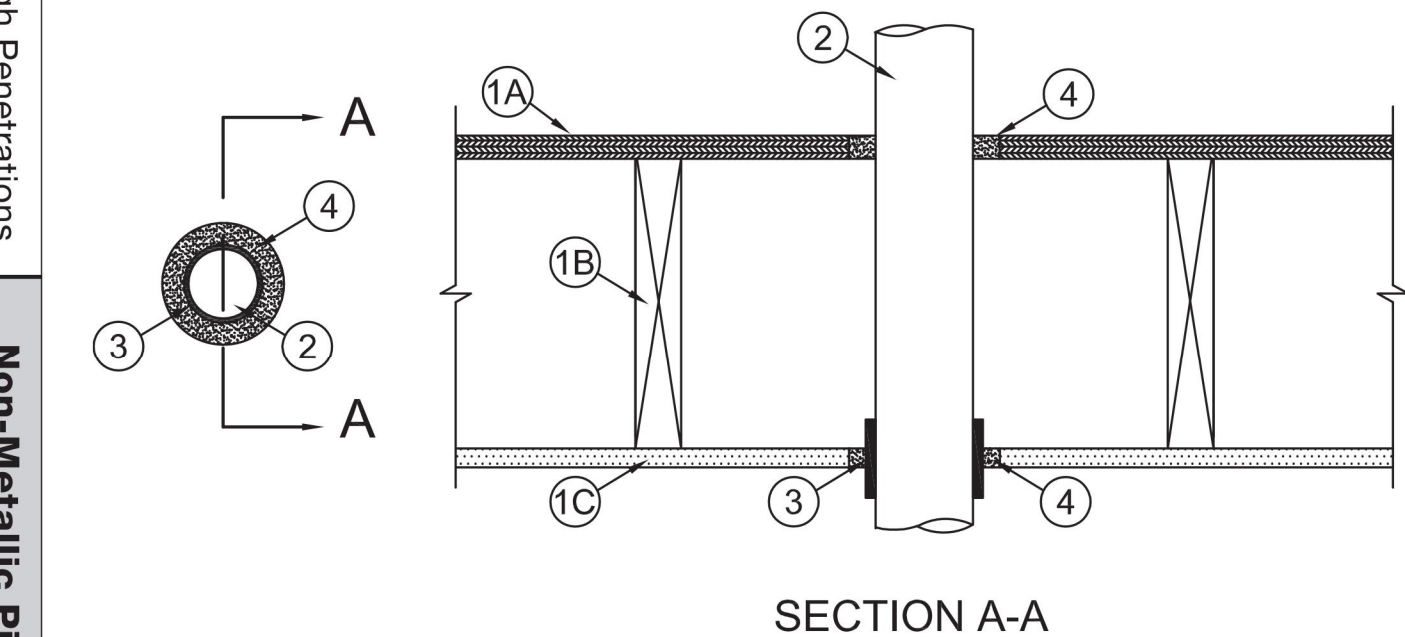
3M COMPANY - CP 25WB+ or FB-3000 WT

*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

System No. F-C-2396

April 25, 2013
F Rating - 1 Hr
T Rating - 1 Hr



- Floor-Ceiling Assembly** - The 1 hr fire rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Designs in the UL Fire Resistance Directory, as summarized below:
 - Flooring System** - Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 6 in. (152 mm).
 - Wood Joists** - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
 - Gypsum Board*** - Thickness, type, number of layers and fasteners as required in the individual Floor-Ceiling Design. Max diam of opening is 6 in. (152 mm).
- Chase Wall** (Optional, not shown) - The tubing (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud/gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
 - Sole Plate** - Nom 2 in. by 6 in. (51 mm by 152 mm) or parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted. Diameter of opening shall be 1-1/2 in. (38 mm) larger than the outside diam of tubing (Items 2).
 - Top Plate** - The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Diameter of opening shall be 1-1/2 in. (38 mm) larger than the outside diam of tubing (Items 2).
 - Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
- Through Penetrant** - One nonmetallic pipe or conduit to be centered within the opening. Annular space between pipe or conduit and the periphery of the opening shall be nom 3/4 in. (19 mm). Penetrant to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of nonmetallic pipe or conduit may be used:
 - Polyvinyl Chloride (PVC) Pipe** - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - Rigid Nonmetallic Conduit (RNC)*** - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NECA 70).
- Fill, Void or Cavity Material* - Wrap Strip** - Min 3/16 in. (5 mm) thick intumescent material supplied in 2-1/2 in. (64 mm) wide strips. Single layer of pre-cut wrap strip tightly wrapped around nonmetallic pipe and secured with the adhesive closure tab. Wrap strip to be recessed within the opening in the gypsum board ceiling such that the bottom of the wrap strip layer is 7/8 in. (22 mm) below the bottom plane of the ceiling.

3M COMPANY
3M FIRE PROTECTION PRODUCTS - Fire Barrier Tack-In Wrap Strip WS 200, WS 300 or WS 400
- Fill, Void or Cavity Material* - Sealant** - Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with the top surface of the floor. Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with the bottom surface of the gypsum board ceiling.

3M COMPANY
3M FIRE PROTECTION PRODUCTS - IC 15WB+; CP 25WB+ or FB-3000 WT Sealant

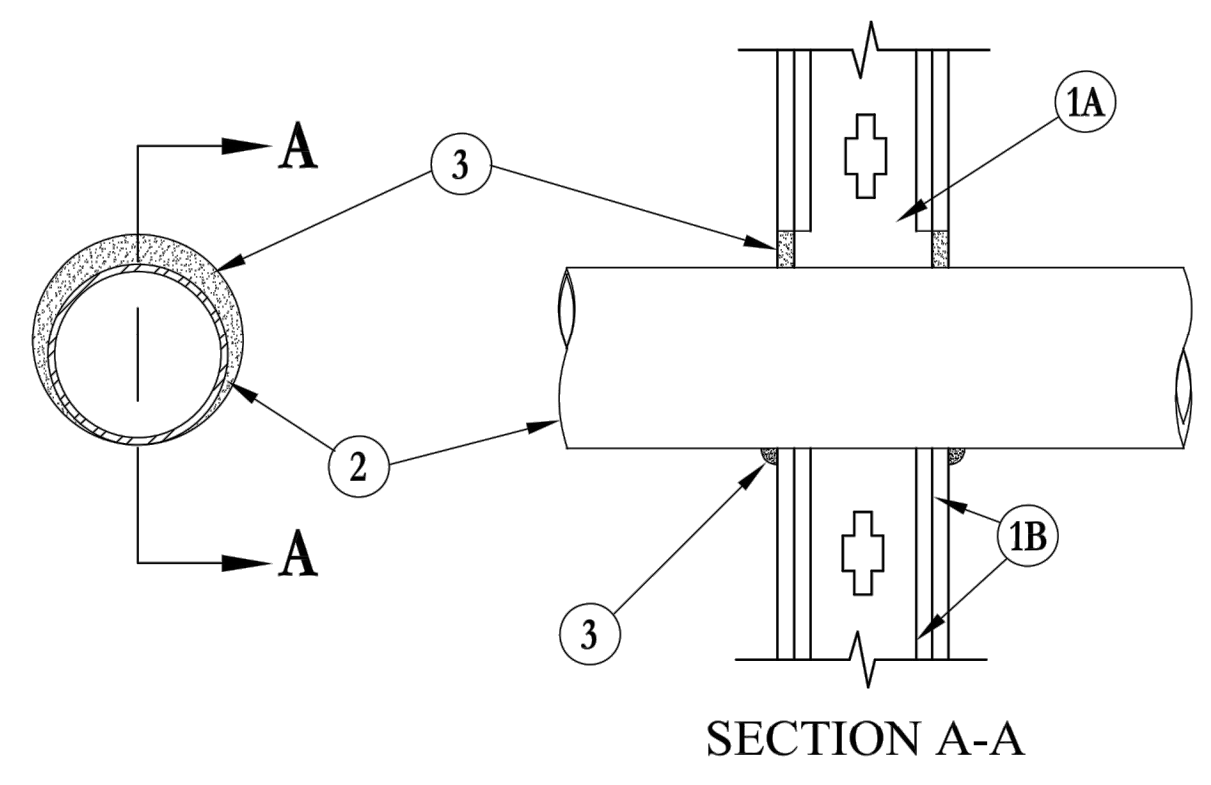
*Bearing the UL Classification Mark

Reprinted from the Online Certifications Directory with permission from UL. © 2013 UL LLC



Through Penetrations
Metallic Pipes
1000 Series
Gypsum
W-L

System No. W-L-1146
September 03, 2004
F Rating - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr



- Wall Assembly** - The 1 or 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. by 4 in. (51 mm by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 in. to 6 in. (102 to 152 mm) wider and 4 in. to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is centered in the opening, a 2 in. to 3 in. (51 mm to 76 mm) clearance is present between the penetrating item and the framing in all four sides.
 - Gypsum Board*** - The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm) for wood stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.
- The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.**
- Through Penetrant** - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 2 in. (0 mm to 51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe** - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe** - Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.
 - Conduit** - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing
 - Copper Tubing** - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing
 - Copper Pipe** - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
- Fill, Void or Cavity Material*** - **Caulk or Sealant** - Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/2 in. (13 mm) diam bead of caulk applied to the penetrant/wallboard interface at the point contact location on both sides of wall.

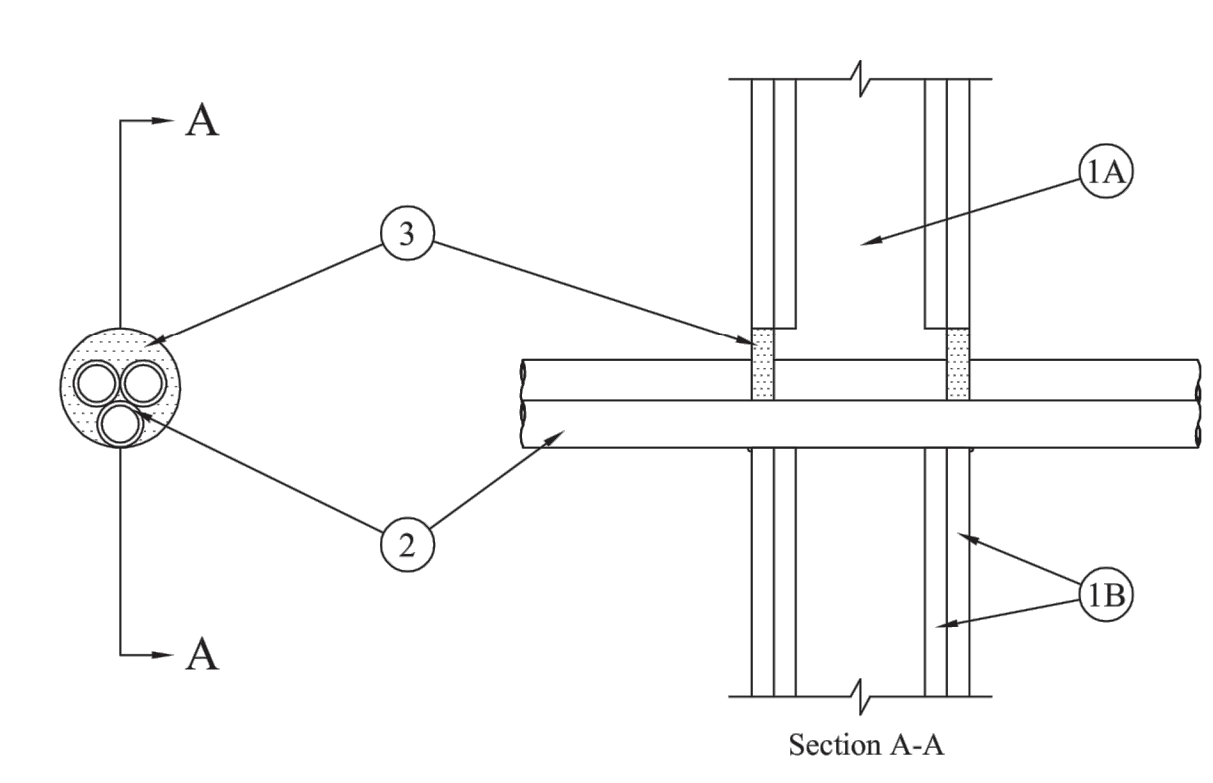
3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.

*Bearing the UL Classification Mark

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

Through Penetrations
Non-Metallic Pipes
2000 Series
Gypsum
W-L

System No. W-L-2300
May 19, 2005
F Ratings - 1 & 2 Hr (See Item 1)
T Ratings - 0 & 1/4 Hr (See Item 1)

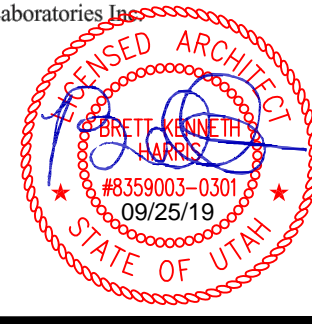


- Wall Assembly** - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. by 4 in. (51 mm by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
 - Gypsum Board*** - The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 24 in. (610 mm).
- The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 and 1/4 Hr for 1 and 2 Hr rated assemblies, respectively.**
- Through Penetrants** - One or more nonmetallic pipes, conduits or tubes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening to be min 0 in. (point contact) to max 2 in. (0 mm to max 25 mm). Penetrants shall be min 0 in. (point contact) to max 1 in. (0 mm to max 25 mm). Penetrants to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
 - Polyvinyl Chloride (PVC) Pipe** - Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - Rigid Nonmetallic Conduit**** - Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NECA No. 70).
 - Chlorinated Polyvinyl Chloride (CPVC) Pipe** - Nom 1-1/2 in. (38 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
 - Crosslinked Polyethylene (PEX) Tubing** - Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Fill, Void or Cavity Material*** - **Caulk or Sealant** - Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.

3M COMPANY - IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
(Note: CP 25WB+ not suitable for use with CPVC pipes.)

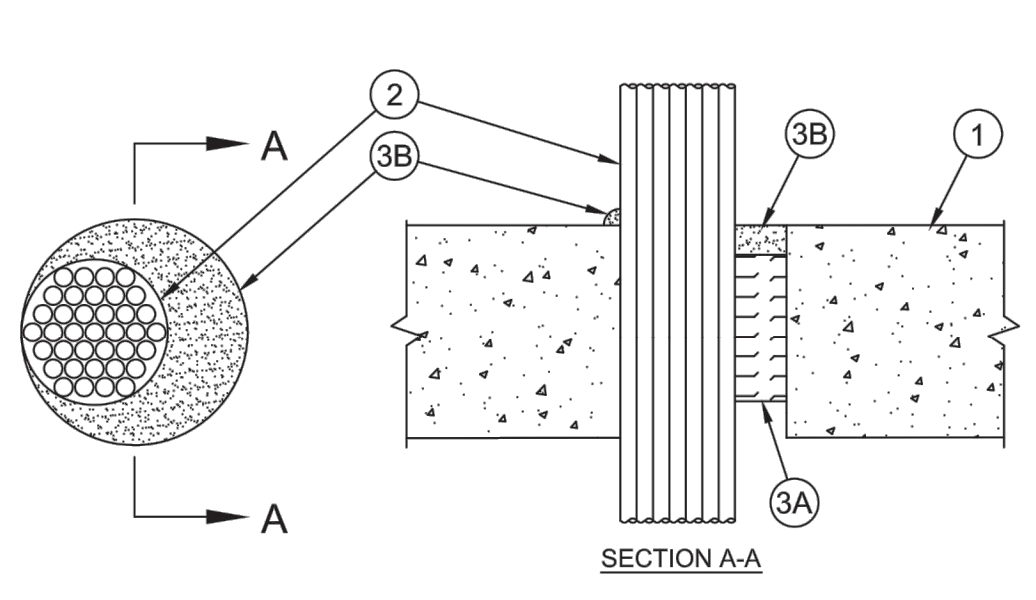
*Bearing the UL Classification Marking

Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc. Copyright © 2011 Underwriters Laboratories Inc.®



Through Penetrations
Cables
3000 Series
Concrete
CAJ

System No. C-AJ-3164
May 22, 2009
F Rating - 2 Hr
T Rating - 0 Hr



- Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in. (102 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Cables** - Aggregate cross-sectional area of cables in opening to be min 24 percent to max 60 percent of the cross-sectional area inside the opening. The annular space between cables and periphery of opening shall be min 0 in. (point contact) to max 2 in. (0 mm to 51 mm). Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of cable may be used:
 - Max 1/4 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.
 - Max 250 pair No. 24 AWG copper conductor telecommunication cables with polyvinyl chloride (PVC) insulation and jacket.
 - Max 7/8 No. 12 AWG copper conductor power and control cables with XLPE or PVC insulation with XLPE or PVC jacket.
 - Max 3/8 No. 2/0 AWG copper or aluminum conductor cables with PVC insulation and jacket.
 - Max 3/8 No. 2/0 (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TEK cable.
 - Max 1/0-125 Fiber Optic (FO) cable with PVC insulation and jacket.
 - Max 3/8 with ground No. 12 AWG (or smaller) copper conductor NM cable with PVC insulation and jacket.
 - Max 3/8 No. 2/0 AWG copper conductor XHHW-2 w/grd aluminum interlocked armor cable with or without PVC jacket.
- SERVICE WIRE CO**
 - Max 3/8 No. 2/0 AWG copper conductor XHHW-2 w/grd tray cable.
- SERVICE WIRE CO**
- Firestop System** - The details of the firestop system shall be as follows:
 - Packing Material** - Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - Fill, Void or Cavity Material*** - **Caulk or Sealant** - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. Min 1/2 (13 mm) in. thickness of fill material applied into interstices of cables on the top surface of floor or both surfaces of wall. Min 1/2 in. (13 mm) diam bead of caulk applied to the cable/concrete interface at the point contact location on floor or both surfaces of wall.

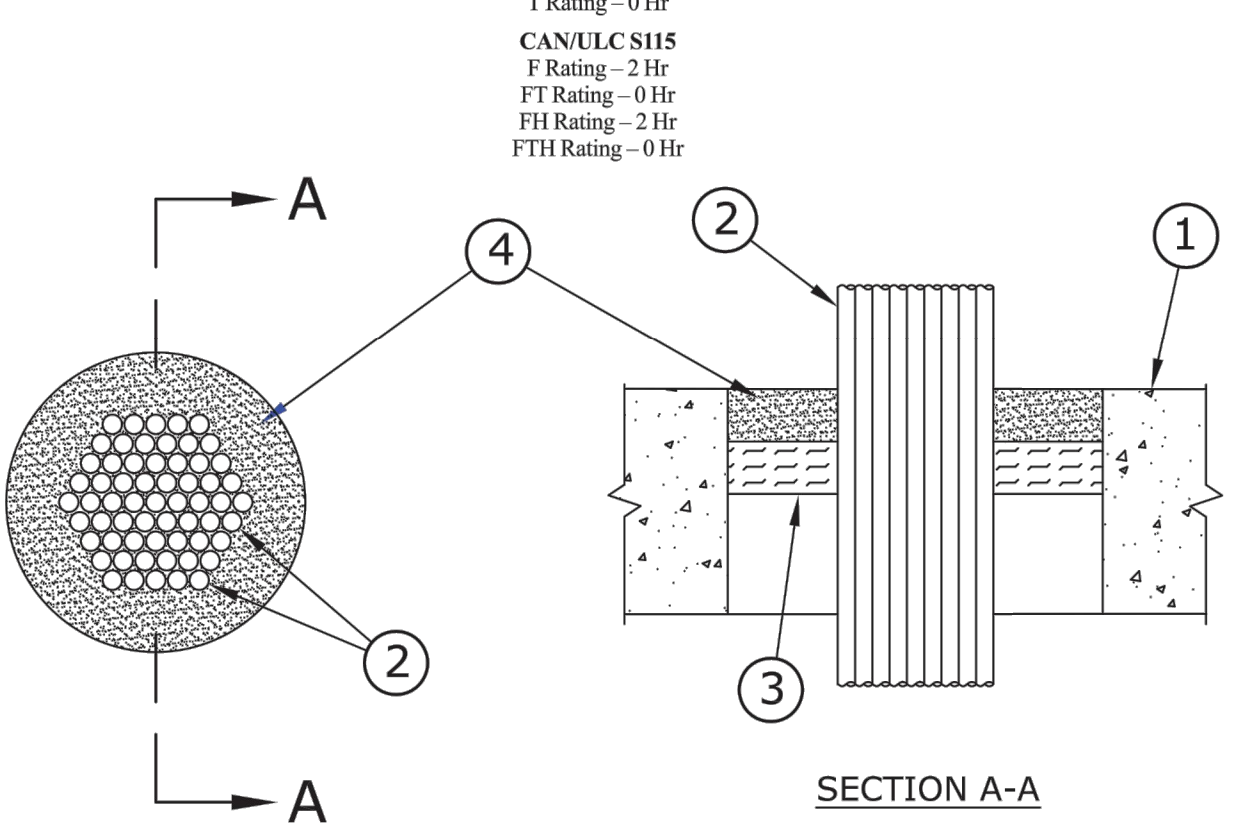
3M COMPANY - FD-150+, CP 25WB+, IC 15WB+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark

This material was extracted and drawn by 3M Fire Protection Products from the 2009 edition of the UL Fire Resistance Directory. ©UL

Through Penetrations
Cables
3000 Series
Concrete
CAJ

System No. C-AJ-3021
March 28, 2012
ANSI/UL1479 (ASTM E814)
F Rating - 2 Hr
T Rating - 0 Hr
CAN/ULC S115
F Rating - 2 Hr
FT Rating - 0 Hr
FH Rating - 2 Hr
FTTH Rating - 0 Hr



- Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6-1/4 in. (159 mm). See Concrete Blocks* (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve** - (Optional, Not Shown) - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast into floor or wall assembly. Sleeve to be flush with floor or wall surfaces.
- Cables** - Min 12 percent to max 40 percent fill area per max 4 in. (102 mm) diam steel sleeved through opening. Min 20 percent to max 40 percent fill area per max 6-1/4 in. (159 mm) diam non-sleeved through opening. Cables to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of cables may be used:
 - Max 7/8 No. 12 AWG multiple copper conductor power and control cables with polyvinyl chloride (PVC) insulation and jacket materials.
 - Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 3/4 in.
 - Max 200 pair No. 24 AWG copper conductor telephone cables with PVC insulation and jacket materials.
 - Max 350 kcmil power cables with PVC insulation and jacket material.
- Packing Material** - Nom 1 in. (25 mm) thickness of ceramic (aluminum silica) fiber blanket or mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed min 1 in. (25 mm) from top surface of floor or sleeve or from both surfaces of wall.
- Forming Material*** - As an alternate to the packing material in Item 3, nom 4 in. (102 mm) wide strips of min 1/2 in. (13 mm) thick compressible mat to be stacked to a thickness greater than the width of the annular space and compression-fitted, edge-first, to fill the annular space to a min 4 in. (102 mm) depth. As an option, the strips of min 1/2 in. (13 mm) thick compressible mat may be folded in half, lengthwise, and stacked to a thickness greater than the width of the annular space and compression-fitted, edge-first, to fill the annular space to a min 2 in. (51 mm) depth. Top of forming material to be recessed from top surface of floor or from both surfaces of wall as necessary to accommodate the required thickness of caulk fill material.

3M COMPANY
3M FIRE PROTECTION PRODUCTS - Fire Barrier Packing Material
- Fill, Void, or Cavity Materials*** - **Putty** - Moldable putty material kneaded by hand and applied to fill annular space (and interstices between cables to max extent possible) to a min depth of 1 in. (25 mm), flush with top surface of floor or sleeve in wall assemblies, required putty depth to be installed symmetrically on both sides of wall.

3M COMPANY
3M FIRE PROTECTION PRODUCTS - Type MPS-2+

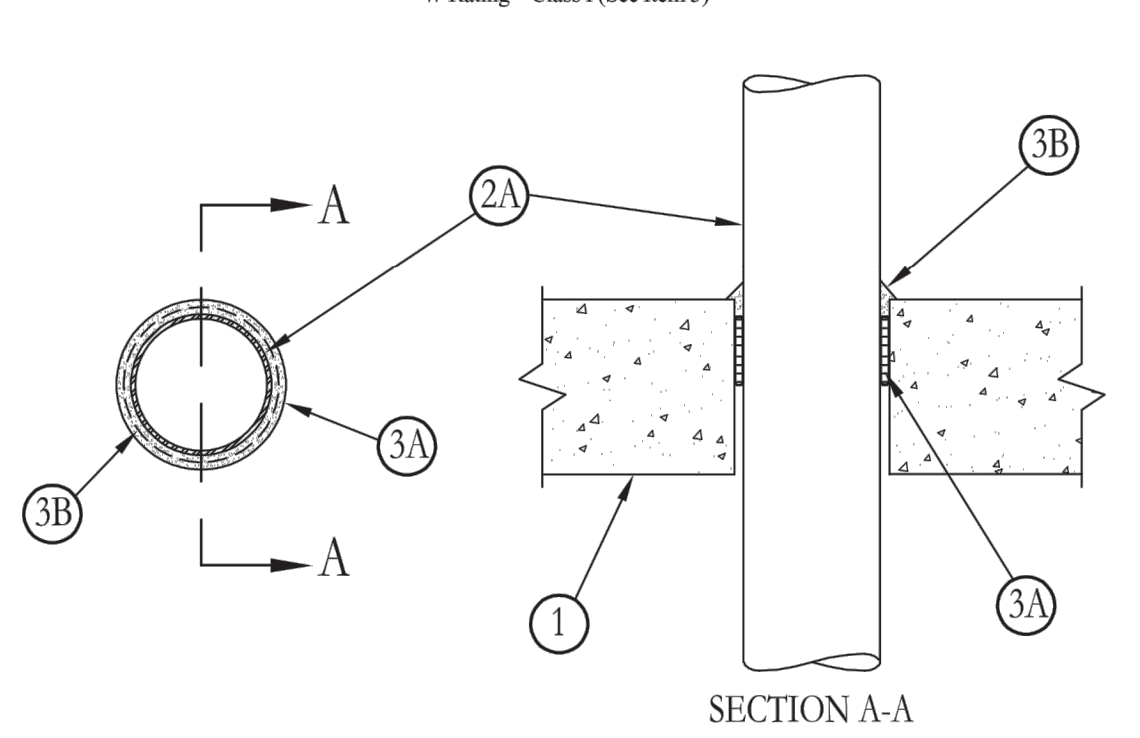
*Bearing the UL Classification Mark

Reprinted from the Online Certifications Directory with permission from UL Copyright © 2013 UL LLC



Through Penetrations
Non-Metallic Pipes
2000 Series
Concrete
CAJ

System No. C-AJ-2278
August 23, 2004
F Rating - 2 Hr
T Rating - 0 Hr
W Rating - Class I (See Item 3)



- Floor or Wall Assembly** - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in.
- Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.
- Through Penetrants** - One nonmetallic pipe or conduit to be installed concentrically within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be 1/4 in. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes or conduits may be used:
 - Polyvinyl Chloride (PVC) Pipe** - Nom 3 in. diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - Rigid Nonmetallic Conduit**** - Nom 3 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NECA No. 70).
 - Chlorinated Polyvinyl Chloride (CPVC) Pipe** - Nom 3 in. diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
 - Acrylonitrile Butadiene Styrene (ABS) Pipe** - Nom 3 in. diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Firestop System** - The firestop system shall consist of the following:
 - Fill, Void or Cavity Materials*** - **Wrap Strip** - Min 1/8 in. thick intumescent material supplied in 2 in. wide strips. Wrap strip tightly wrapped around nonmetallic pipe with continuous layers and secured with two 1/4 in. wide bands of filament tape placed 1/2 in. from bottom and top of wrap strip. The layers of wrap strip are to be recessed within the opening such that the top of the wrap strip layers is 1/4 in. below top surface of floor. For wall assemblies, wrap strip layers to be installed on both sides of wall and recessed within wall such that the end of the layers is recessed 1/4 in. from both surfaces of wall. For nom 2 in. diam (and smaller) pipes, one layer is required. For nom 2-1/2 in. and 3 in. diam pipes, two layers are required.
 - Fill, Void or Cavity Materials*** - **Sealant** - Min 1/4 in. thickness of sealant applied within annular space, flush with top surface of floor or both surfaces of wall.

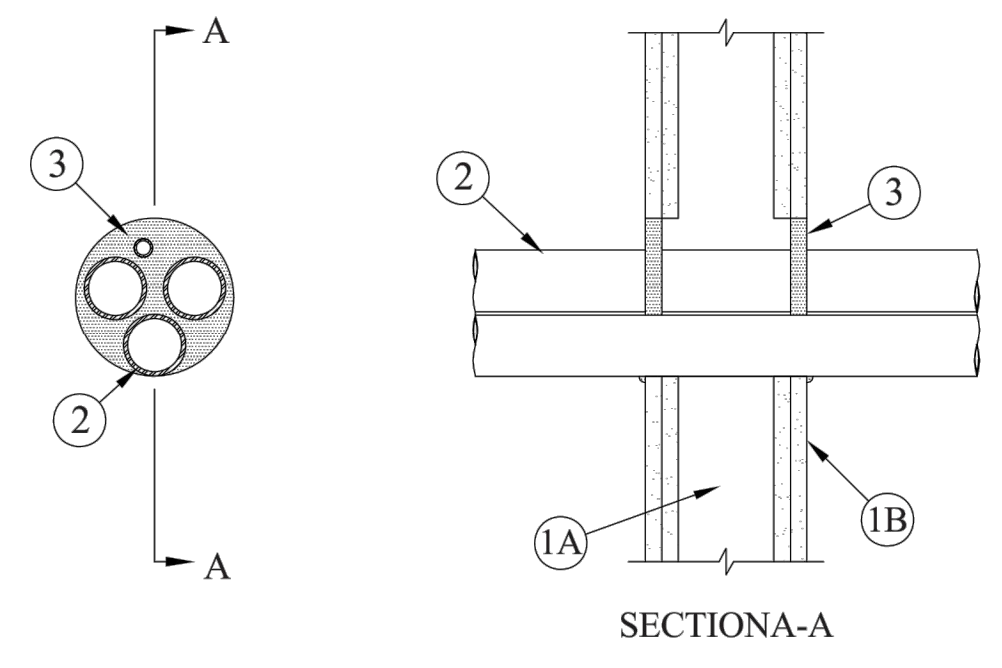
3M COMPANY - Ultra GS
3M COMPANY - FB-1000 NS, FB-1003 SL or FB-3000 WT sealant.

*Bearing the UL Classification Mark
**Bearing the UL Listing Mark

Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc. Copyright © 2011 Underwriters Laboratories Inc.®

Through Penetrations
Metallic Pipes
1000 Series
Gypsum
W-L

System No. W-L-1287
May 19, 2005
F Ratings - 1 & 2 Hr (See Item 1)
T Ratings - 0 & 1/4 Hr (See Item 1)



- Wall Assembly** - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. by 4 in. (51 mm by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC.
 - Gypsum Board*** - The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 8 in. (203 mm).
- The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 and 1/4 Hr for 1 and 2 Hr rated assemblies, respectively.**
- Through Penetrants** - One or more metallic pipes, conduits, tubes or flexible metal pipes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening to be min 0 in. (point contact) to max 2 in. (0 mm to max 51 mm). Space between penetrants to be min 1/4 in. to max 2 in. (6 mm to max 51 mm). Penetrants to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
 - Steel Pipe** - Nom 3 in. (76 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - Iron Pipe** - Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.
 - Conduit** - Nom 3 in. (76 mm) diam (or smaller) steel conduit or steel electrical metallic tubing.
 - Copper Tubing** - Nom 2 in. (51 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe** - Nom 2 in. (51 mm) diam (or smaller) Regular (or heavier) copper pipe.
- Through Penetrating Product*** - **Flexible Metal Piping** - The following types of steel flexible metal gas piping may be used:
 - Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
 - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
 - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC.
TITEXLEX CORR. A BUNDY CO.
WARD MFG INC.
- Fill, Void or Cavity Material*** - **Caulk or Sealant** - Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.

3M COMPANY - IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant.

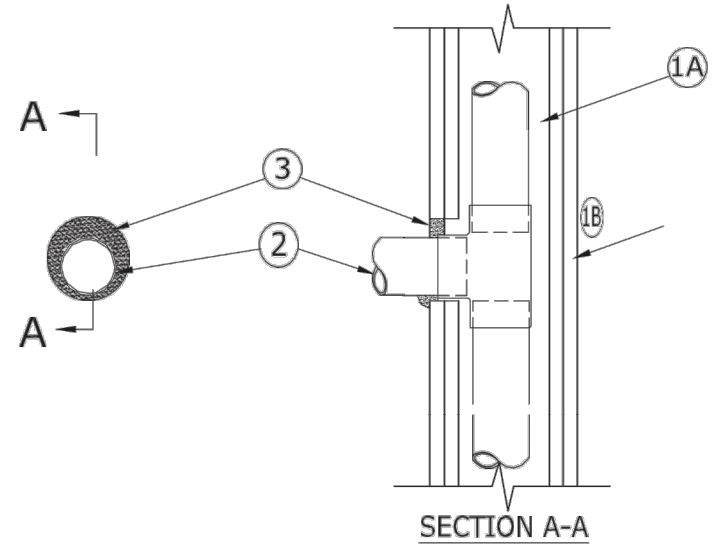
*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. ©UL

Through Penetrations
Metallic Pipes
1000 Series
Gypsum
W-L

UL System No. W-L-1353
XHEZ - Through-penetration Firestop Systems
XHEZ7 - Through-penetration Firestop Systems Certified for Canada
May 02, 2017

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr	FT Rating - 0 Hr
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Rating - 0 Hr



- Wall Assembly** - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) (or larger) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
 - Gypsum Board*** - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam. of opening is 3-1/2 in. (89 mm).
- The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.**
- Through Penetrants** - One or more metallic pipes, conduits, tubes or flexible metal pipes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening shall be min 0 in. (point contact) to max 2 in. (0 mm to max 51 mm). Space between penetrants to be min 0 in. (point contact) to max 1 in. (25 mm). Penetrants to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
 - Steel Pipe** - Nom 2 in. (51 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe** - Nom 2 in. (51 mm) diam (or smaller) cast or ductile iron pipe.
 - Copper Tubing** - Nom 2 in. (51 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe** - Nom 2 in. (51 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - E. Conduit** - Nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or electrical metallic steel tubing (EMT).
- 2A. Conduit Body*** - (Not Shown) - When a steel conduit or EMT is used, nom 2 in. size (or smaller) steel conduit body with steel fittings as an alternate to the metallic tee. Refer to Conduit Fittings (DWT) category in the UL Electrical Construction Directory.
- Fill, Void or Cavity Material*** - **Caulk** - Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with surface of wall. At the point contact location between duct and wallboard, a min 1/2 in. (13 mm) diam bead of sealant shall be applied at the wallboard/duct interface on both surfaces of wall assembly.

3M COMPANY - IC 15WB+ caulk, CP 25WB+ caulk or FB-3000 WT Sealant

Nom Pipe Diam In. (mm)	Wall Assembly Rating Hr	Closed (c) or Vented (v)	T Rating Hr
1/2 to 3/4 (13 to 32)	1	v	1
1/2 to 1-1/4 (13 to 76)	1	c	1
1/2 to 1-1/4 (13 to 32)	2	c	2
1/2 to 1-1/4 (13 to 32)	2	v	1
2 (51)	1	v	0
2 (51)	2	v	0