

CIVIL ENGINEER
McNeil Engineering
8610 Sandy Pkwy Suite 200
Sandy, UT 84070
CONTACT: Robert Poirier
PHONE:
E-MAIL: rob@mcneileng.com
INTERNET: www.mcneilengineering.com

MECHANICAL ENGINEER
Spectrum Engineers
324 South State Street, Suite 400
Salt Lake City, UT 84111
CONTACT: Ryan Boogaard
PHONE: 801.401.8420
E-MAIL: rhb@spectrum-engineers.com
INTERNET:www.spectrum-engineers.com

PLUMBING ENGINEER
Spectrum Engineers
324 South State Street, Suite 400
Salt Lake City, UT 84111
CONTACT: Ryan Boogaard
PHONE: 801.401.8420
E-MAIL: rhb@spectrum-engineers.com
INTERNET:www.spectrum-engineers.com

ELECTRICAL ENGINEER
Spectrum Engineers
324 South State Street, Suite 400
Salt Lake City, UT 84111
CONTACT: Tyler Squire
PHONE: 801.401.8472
E-MAIL: tds@spectrum-engineers.com
INTERNET:www.spectrum-engineers.com

OWNER
Villa Nueva LLC
915 W 200 N
Salt Lake City, UT 84116
CONTACT: Katherine Kittrell
PHONE: 602.501.4436
E-MAIL: katherine.kittrell@micro.villas
INTERNET: www.micro.villas

ARCHITECT
Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, UT 84109
CONTACT: Julie Berreth
PHONE: 801.924.5000
E-MAIL: jberreth@archnexus.com
INTERNET: http://www.archnexus.com

LANDSCAPE ARCHITECT
Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, UT 84109
CONTACT: Hanna Thompson
PHONE: 801.924.5000
E-MAIL: hthompson@archnexus.com
INTERNET: http://www.archnexus.com

INTERIOR DESIGN
Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, UT 84109
CONTACT: Debra Anderson
PHONE: 801.924.5000
E-MAIL: danderson@archnexus.com
INTERNET: http://www.archnexus.com

STRUCTURAL ENGINEER
ARW Engineers
1594 W Park Circle #100
Ogden, UT 84404
CONTACT: Troy Dye
PHONE: 801.782.6008
E-MAIL: troyd@arwengineers.com
INTERNET: www.arwengineers.com

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VILLA NUEVA LLC.
MICRO VILLAS

915 WEST 200 N SALT LAKE CITY
UT, 84116

VICINITY MAP



Nexus Project #: 21010

Owner Project #:

04/02/2021

BID/ PERMIT SET

APPROVALS

Signer 1 Date

Signer 2 Date

Signer 3 Date

Signer 4 Date

#	Date	Revision

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Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
http://www.archnexus.com

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STATE OF UTAH
JULIE BERRETH
5000975-0301
REGISTERED ARCHITECT

VILLA NUEVA LLC.
MICRO VILLAS
915 WEST 200 N SALT LAKE CITY UT, 84116

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NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

COVER SHEET

G001

E D C B A

LIST OF ABBREVIATIONS

A	
A/C	AIR CONDITIONING
AD	AREA DRAIN
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT
@	AT
B	
BD	BOARD
BLDG	BUILDING
BO	BOTTOM OF
C	
C	CELSIUS
CCSPF	CLOSED-CELL SPRAY-APPLIED FOAM INSULATION
CH	COAT HOOK
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CG	CORNER GUARD
CI	CONTINUOUS INSULATION
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
CT	CERAMIC TILE
CTJ	CONSTRUCTION JOINT
CUH	CABINET UNIT HEATER
D	
D	DEEP
DEG	DEGREE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWGS	DRAWINGS
E	
EA	EACH
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EOS	EDGE OF SLAB
ERD	EXISTING ROOF DRAIN
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
F	
F	FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FDC	FIRE DEPARTMENT CONNECTION
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
FG	FINISH GRADE
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FND	FOUNDATION
FO	FINISHED OPENING
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FRG	FIBER REINFORCED GYPSUM
FSP	FIRE STANDPIPE
FT	FEET
FV	FIELD VERIFY
G	
GA	GAUGE
GALV	GALVANIZED
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GL	GLASS
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HIGH
HB	HOSE BIBB
HDR	HEADER
HM	HOLLOW METAL
HPT	HIGH POINT
HR	HOUR
HT	HEIGHT
I	
ID	INSIDE DIAMETER; INSIDE DIMENSION
IN	INCH
INFO	INFORMATION
INT	INTERIOR
J	
JAN	JANITOR
K	(NOT USED)
L	
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LPT	LOW POINT
M	
MACH RM	MACHINE ROOM
MAX	MAXIMUM
MFR	MANUFACTURER
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
MO	MASONRY OPENING
N	
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER; OUTSIDE DIMENSION
OFD	OVERFLOW DRAIN
OH DR	OVERHEAD DOOR
OPH	OPPOSITE HAND
OPP	OPPOSITE
ORIG	ORIGINAL
P	
P LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PR	PAIR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
R	
R	RISER OR RADIUS
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIDGERATOR
REQD	REQUIRED
REV	REVISION
RH	RELATIVE HUMIDITY
RM	ROOM
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
RWL	RAIN WATER LEADER
S	
S	SMOKE DETECTOR
SAM	SELF ADHESIVE MEMBRANE
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STD	STANDARD
STRUCT	STRUCTURAL
T	
T	TREAD
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB; TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
TO	TOP OF
U	
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	
W/	WITH
W/O	WITHOUT
WD	WOOD
WH	WALL HYDRANT
WP	WORKING POINT
WRB	WEATHER RESISTIVE BARRIER
X,Y,Z	(NOT USED)

THE PRECEDING LIST OF ABBREVIATIONS IS PRESENTED AS A GENERAL GUIDE AND DOES NOT NECESSARILY SHOW ALL ABBREVIATIONS USED. OTHER GENERALLY ACCEPTED ABBREVIATIONS MAY BE FOUND AMONG THE DRAWINGS - SOME ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED WITHIN THIS DRAWING SET.

DRAWING SYMBOL LEGEND

INTERIOR ELEVATIONS (A3, A2, A401, A1)
- SHEET NUMBER
- DETAIL NUMBER

DETAIL REFERENCE (A1 / A501)
- DETAIL NUMBER
- SHEET NUMBER

EXTERIOR ELEVATION REFERENCE (A1 / A201)
- DETAIL NUMBER
- SHEET NUMBER

WALL SECTION REFERENCE (A1 / A302)
- DETAIL NUMBER
- SHEET NUMBER

BUILDING SECTION REFERENCE (A1 / A301)
- DETAIL NUMBER
- SHEET NUMBER

DETAIL REFERENCE (A1 / A301)
- DETAIL NUMBER
- SHEET NUMBER

ROOM DESIGNATION (FLOOR PLAN) (ROOM / ####)
- ROOM NAME
- ROOM NUMBER

ROOM DESIGNATION (REFLECTED CEILING PLAN) (XX000X / 00'-00")
- ROOM NUMBER
- CEILING HEIGHT ABOVE FINISH FLOOR

ELEVATION SYMBOL (T.O. WALL / 100'-0")
- ELEVATION DESCRIPTION
- ELEVATION ABOVE DATUM

WALL TYPE DESIGNATION (XXX)
- WALL TYPE

DOOR DESIGNATION (100)
- DOOR NUMBER

WINDOW DESIGNATION (1t)
- WINDOW TYPE

KEYED NOTE DESIGNATION (03:CJ1)
- KEY NOTE NUMBER

EQUIPMENT DESIGNATION (00001)
- EQUIPMENT NUMBER

GLASS TYPE DESIGNATION (1)
- GLASS TYPE

MATCH LINE TAG (MATCH LINE, A1 / Axxx)
- DETAIL / SHEET NUMBER

EXISTING WALL TO REMAIN

WALL TO BE DEMOLISHED

NEW WALL

CENTER LINE SYMBOL (℄)

BREAK LINE

ROUND BREAK LINE

NORTH ARROW (PLAN, N)
- PLAN NORTH
- TRUE NORTH

CASEWORK TYPE DESIGNATION (WIDTH, 000M, 00", 00", 00", MODIFICATION DESCRIPTION, DEPTH, HEIGHT)
- AWS STANDARD CDS NUMBERING SYSTEM
- CDS NUMBER (M DENOTES MODIFICATION - SEE SHEET A551 FOR MODIFIED MILLWORK ELEVATIONS AND DETAILS)

MATERIAL TYPE DESIGNATION (00001)
- SEE AI601 FINISH LEGEND
- FINISH NUMBER

SLOPE INDICATION (12", 1/2", 1/2" / 12")
- RISE
- RUN

REVISION DESIGNATION (1)
- REVISION NUMBER
- REVISION CLOUD

GRAPHIC SCALES (0', 4', 8', 16')

HATCH LEGEND

NOTE: HATCHING ANGLES MAY VARY DUE TO ANGLE OF WALL DRAWN, WHILE HATCHING PATTERN REMAINS SIMILAR.

- CAST-IN-PLACE CONCRETE
- CONCRETE MASONRY UNIT
- PRECAST CONCRETE / GLASS FIBER REINFORCED CONCRETE (GFRC)
- STEEL STUDS
- WOOD STUDS
- BRICK VENEER
- RIGID INSULATION
- BATT INSULATION
- CONTINUOUS MATERIAL
- NON CONTINUOUS MATERIAL (BLOCKING)
- GYPSUM BOARD
- PLYWOOD
- EXTERIOR SHEATHING
- GRAVEL
- UNDISTURBED EARTH
- BACKFILL OR FILL

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G003	GENERAL CODE REQUIREMENTS
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G102	LEVEL 02 - EXITING & OCCUPANCY PLAN
G103	LEVEL 03 - EXITING & OCCUPANCY PLAN
G104	LEVEL 04 - EXITING & OCCUPANCY PLAN
G105	LEVEL 05 - EXITING & OCCUPANCY PLAN
G501	ASSEMBLY TYPES - VERTICAL
G505	ASSEMBLY TYPES - HORIZONTAL
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G511	UL ASSEMBLIES
G512	UL ASSEMBLIES
G513	UL ASSEMBLIES
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LP701	PLANTING DETAILS
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A152	LEVEL 02 - RCP
A153	LEVEL 03 - RCP
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A203	BUILDING ELEVATIONS
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PL104	LEVEL 04 PLUMBING PLAN - DWV
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EE502	ELECTRICAL DETAILS
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EP104	LEVEL 4 POWER PLAN
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EL105	LEVEL 5 LIGHTING/FIRE ALARM PLAN
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FA601	FIRE ALARM RISER

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Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
http://www.archnexus.com

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5000975-0301
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VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

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GENERAL INFORMATION

G002

ALLOWABLE HEIGHT (SECTION 503, 504 & TABLE 504.3, 504.4)		STORIES
BASE ALLOWABLE HEIGHT (ABOVE GRADE PLANE)	(TABLES 504.3, 504.4 & SECTION 508.2.4)	65' / 04
HEIGHT INCREASE FOR SPRINKLERS	(TABLES 504.3, 504.4 & SECTION 508.2.4)	85' / 05
ACTUAL HEIGHT	(TABLES 504.3, 504.4 & SECTION 508.2.4)	50' / 05
ALLOWABLE AREA (SECTION 506 & TABLE 506.2)		
BASE ALLOWABLE AREA (PER FLOOR)		24,000 SF
INCREASED ALLOWABLE AREA PER FLOOR	(EQUATION 5-1)	72,000 SF
MAXIMUM AREA [ALLOWABLE AREA OF 1ST FLR x STORIES]	(EQUATION 5-2)	216,000 SF
UNLIMITED AREA BUILDING?	(SECTION 507)	NO
SPECIAL PROVISIONS?	(SECTION 510)	N/A
ACTUAL AREA		23,437 SF
CONSTRUCTION CLASSIFICATION (SECTION 602 & TABLE 601)		TYPE III-A
FIRE-RESISTANCE RATING - BUILDING ELEMENTS (TABLE 601), (SECTION 403.2)		REQUIRED RATING UL LISTING
STRUCT FRAME, INCLUDING COLS, GIRDERS & TRUSSES		1 HOUR (SEE DWGS)
BEARING WALLS, EXTERIOR		2 HOUR (SEE DWGS)
BEARING WALLS, INTERIOR		1 HOUR (SEE DWGS)
NONBEARING WALLS, EXTERIOR		PER FIRE RESISTANCE RATIN
NONBEARING WALLS, INTERIOR		SEPARATION DISTANCE BE
FLOOR CONST INCLUDING SUPPORT BEAMS AND JOISTS		1 HOUR (SEE DWGS)
ROOF CONST INCLUDING SUPPORT BEAMS AND JOISTS		1 HR / CLASS B (SEE DWGS)
BALCONIES AND SIMILAR PROJECTIONS	(SECTION 705.2.3.1 EXCEPTION 3)	O HOUR (SEE DWGS)
FIRE-RESISTANCE RATING - FIRE SEPARATION DIST (TABLE 602)		REQUIRED RATING
< 5' (PARAPET REQUIRED PER SECTION 705.11)		1 HOUR
>= 5' AND < 10'		1 HOUR

KEYNOTE LEGEND	
Key Value	Keynote Text
05:BM1	STEEL BEAM ABOVE TO BE PAINTED (INDIVIDUALLY ENCASED) W/ INTUMESCENT PAINT AS NEEDED TO PROVIDE 2-HOUR RATED PROTECTION
05:CM1	STEEL COLUMN TO BE INDIVIDUALLY ENCASED IN A 2-HOUR RATED ASSEMBLY; B.O.D GA FILE NO. CM 2015; SEE E2/G510
21:SP1	CLASS 1 DRY PIPE STANDPIPE; PROVIDE (2) OUTLETS WITH GLOBE VALVES AND A MINIMUM 2 1/2" NATIONAL STAND MALE THREAD (NST) WITH A REDUCING CAP TO A 1 1/2" NST TO BE INSTALLED ADJACENT TO A STAIRWAY AND BELOW ONE FLOOR HAVING SECURED DECK

EGRESS

NUMBER OF OCCUPANTS EXITING FROM ANOTHER LEVEL

NUMBER OF OCCUPANTS EXITING FROM SPACE

PATH OF TRAVEL

TRAVEL DISTANCE

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	250'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	125'

FIRE RATING KEY

WALL

- NO FIRE RATING
- 1 HOUR RATING - FIRE PARTITION
- 2 HOUR RATING - ONE SIDE
- 2 HOUR RATING - BOTH SIDES

TRAVEL DISTANCES

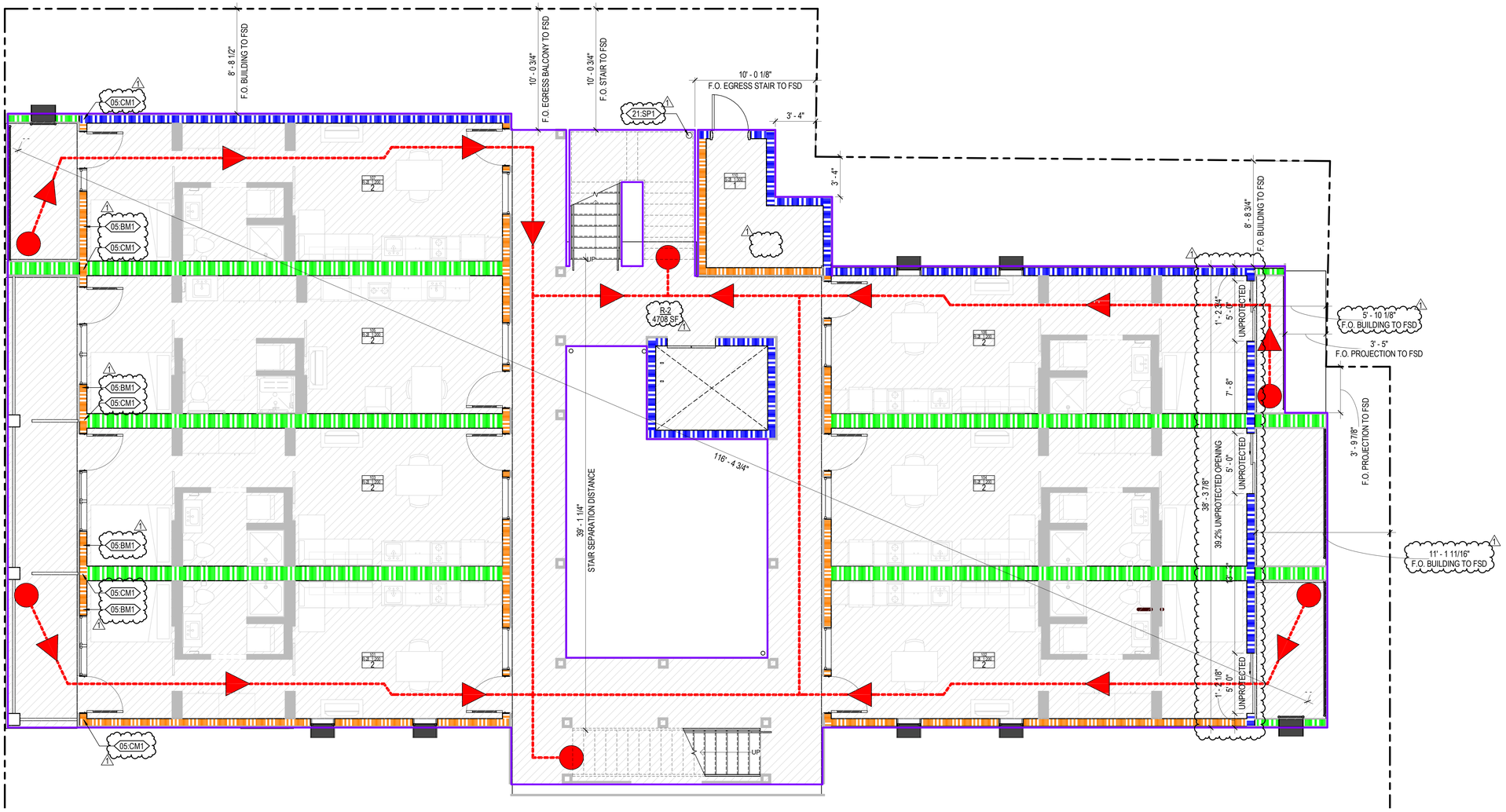
PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL
1	59' - 7"	74' - 0"
2	47' - 2"	55' - 8"
3	47' - 5"	78' - 0"
4	47' - 0"	61' - 1"

FIRE EXTINGUISHERS

PROVIDE A MINIMUM 2A:10 BC RATED FIRE EXTINGUISHER WITHIN 75-FOOT TAVEL DISTANCE TO ALL SPACES IN THE STRUCTURE; COORDINATE LOCATION WITH LOCAL FIRE MARSHALL & ARCHITECT

DURING CONSTRUCTION, PROVIDE FIRE EXTINGUISHERS IN THE FOLLOWING AREAS AS REQUIRED IN IFC CHAPTER 33:

- AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED.
- IN EVERY STORAGE AND CONSTRUCTION SHED.
- ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.



PLAN

N

A6 G101 LEVEL 01 - EXITING & OCCUPANCY
1/4" = 1'-0"

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Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
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JULIE ROBERTS
5000975-0301
LICENSED ARCHITECT
5-21-21

VILLA NUEVA LLC.

MICRO VILLAS

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1	8.3.21	CITY COMMENTS #1

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LEVEL 01 - EXITING & OCCUPANCY PLAN

G101

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KEYNOTE LEGEND	
Key Value	Keynote Text
21:SP1	CLASS 1 DRY PIPE STANDPIPE; PROVIDE (2) OUTLETS WITH GLOBE VALVES AND A MINIMUM 2 1/2" NATIONAL STAND MALE THREAD (NST) WITH A REDUCING CAP TO A 1 1/2" NST TO BE INSTALLED ADJACENT TO A STAIRWAY AND BELOW ONE FLOOR HAVING SECURED DECK

EGRESS

NUMBER OF OCCUPANTS EXITING FROM ANOTHER LEVEL

NUMBER OF OCCUPANTS EXITING FROM SPACE

PATH OF TRAVEL

TRAVEL DISTANCE

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	250'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	125'

FIRE RATING KEY

WALL

- NO FIRE RATING
- 1 HOUR RATING - FIRE PARTITION
- 2 HOUR RATING - ONE SIDE
- 2 HOUR RATING - BOTH SIDES

TRAVEL DISTANCES

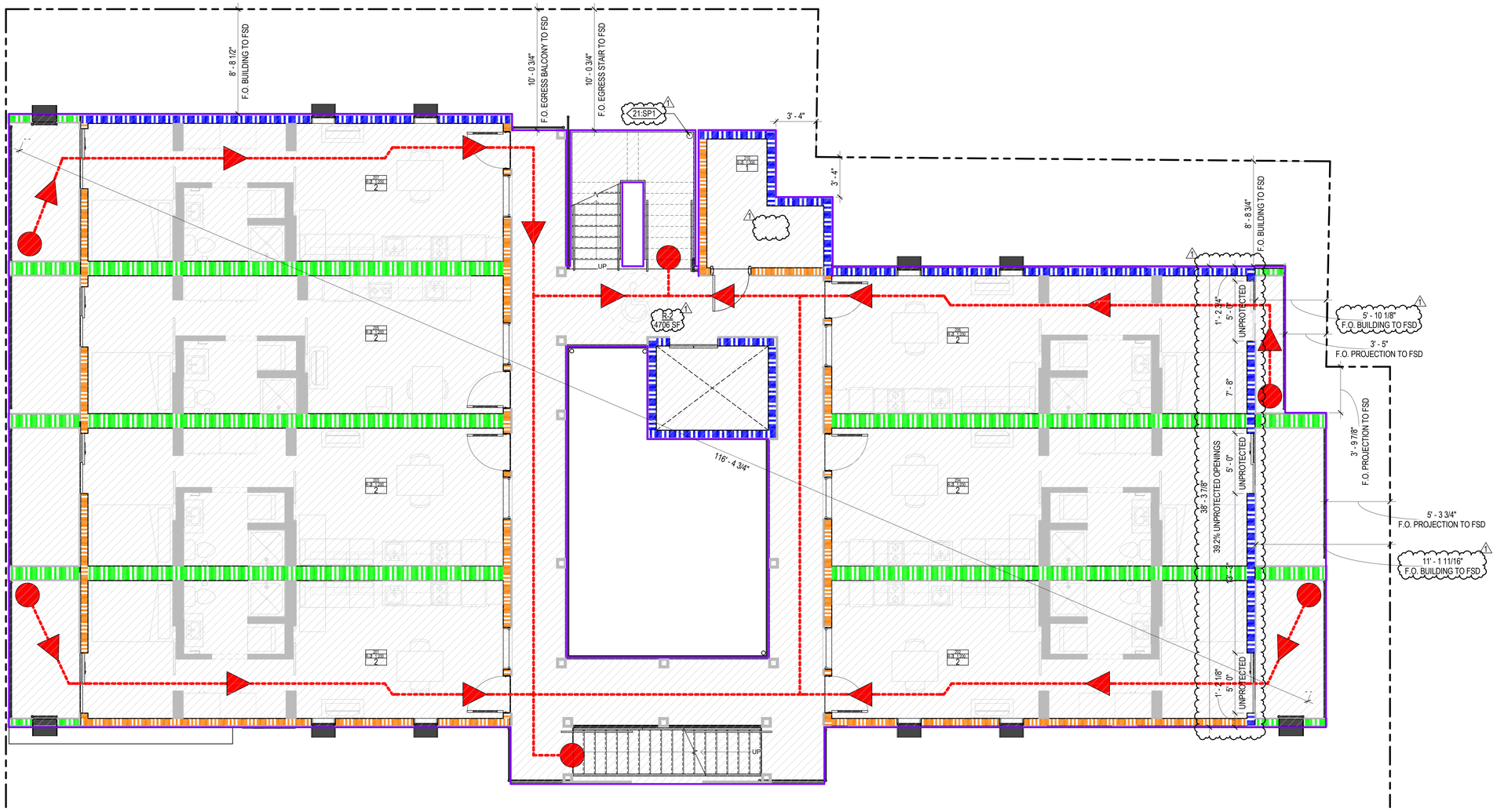
PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL
1	59' - 7"	74' - 0"
2	47' - 2"	55' - 6"
3	47' - 5"	77' - 10"
4	47' - 0"	61' - 1"

FIRE EXTINGUISHERS

PROVIDE A MINIMUM 2A:10 BC RATED FIRE EXTINGUISHER WITHIN 75-FOOT TAVEL DISTANCE TO ALL SPACES IN THE STRUCTURE; COORDINATE LOCATION WITH LOCAL FIRE MARSHALL & ARCHITECT

DURING CONSTRUCTION, PROVIDE FIRE EXTINGUISHERS IN THE FOLLOWING AREAS AS REQUIRED IN IFC CHAPTER 33:

- AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED.
- IN EVERY STORAGE AND CONSTRUCTION SHED.
- ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.



PLAN

N

A6 G102 LEVEL 02 - EXITING & OCCUPANCY
1/4" = 1'-0"

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5-21-21
LICENSED ARCHITECT

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#	Date	Revision
1	8.3.21	CITY COMMENTS #1

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DATE: 04/02/2021

LEVEL 02 - EXITING & OCCUPANCY PLAN

G102

KEYNOTE LEGEND	
Key Value	Keynote Text
21:SP1	CLASS 1 DRY PIPE STANDPIPE; PROVIDE (2) OUTLETS WITH GLOBE VALVES AND A MINIMUM 2 1/2" NATIONAL STAND MALE THREAD (NST) WITH A REDUCING CAP TO A 1 1/2" NST TO BE INSTALLED ADJACENT TO A STAIRWAY AND BELOW ONE FLOOR HAVING SECURED DECK

EGRESS

NUMBER OF OCCUPANTS EXITING FROM ANOTHER LEVEL

NUMBER OF OCCUPANTS EXITING FROM SPACE

PATH OF TRAVEL

TRAVEL DISTANCE

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	250'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	125'

FIRE RATING KEY

WALL

- NO FIRE RATING
- 1 HOUR RATING - FIRE PARTITION
- 2 HOUR RATING - ONE SIDE
- 2 HOUR RATING - BOTH SIDES

TRAVEL DISTANCES

PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL
1	59' - 7"	74' - 0"
2	47' - 2"	55' - 6"
3	47' - 5"	77' - 10"
4	47' - 0"	61' - 1"

FIRE EXTINGUISHERS

PROVIDE A MINIMUM 2A:10 BC RATED FIRE EXTINGUISHER WITHIN 75-FOOT TAVEL DISTANCE TO ALL SPACES IN THE STRUCTURE; COORDINATE LOCATION WITH LOCAL FIRE MARSHALL & ARCHITECT

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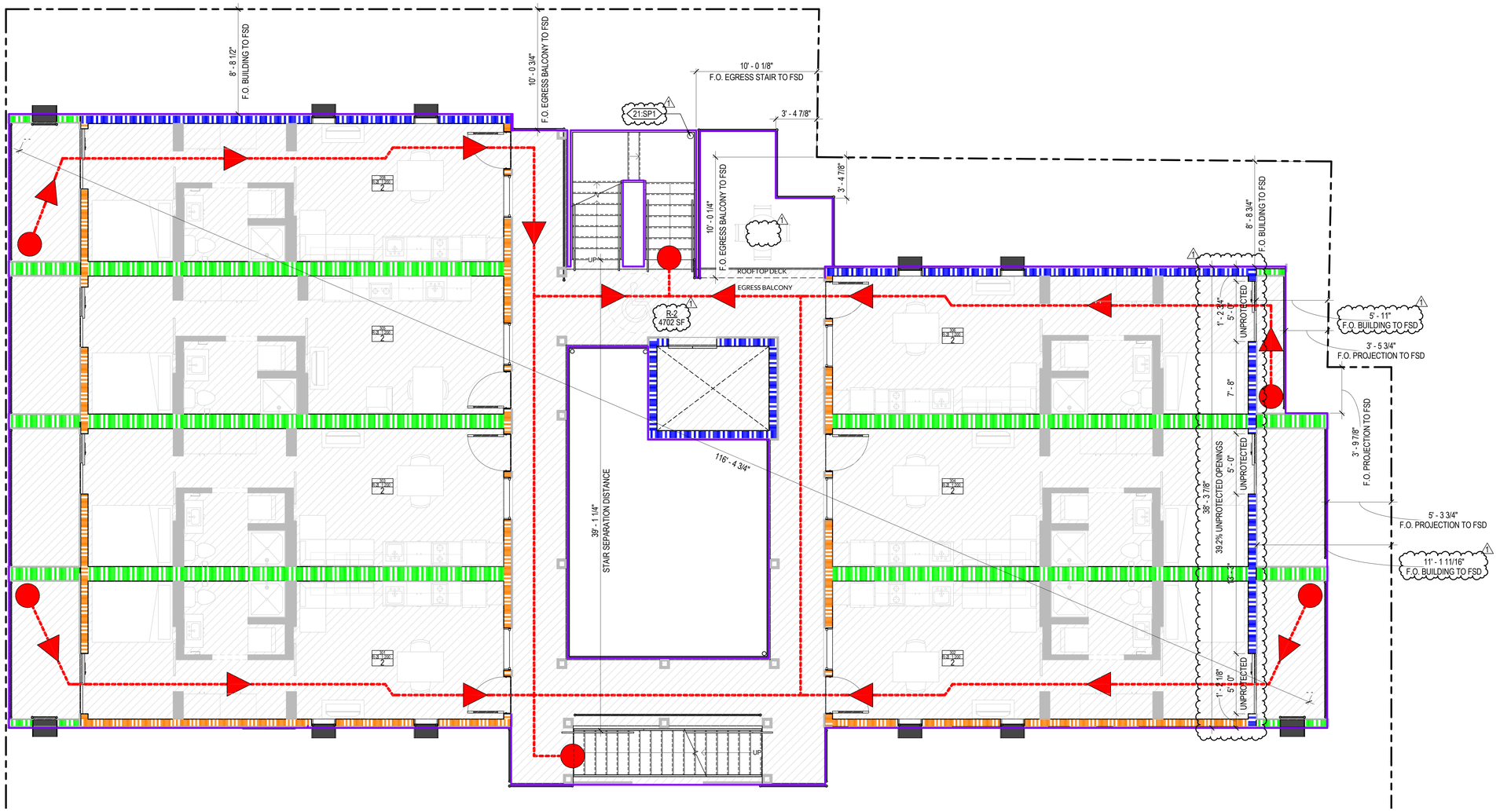

PLAN

N

A6 G103 LEVEL 03 - EXITING & OCCUPANCY
1/4" = 1'-0"

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LEVEL 03 - EXITING & OCCUPANCY PLAN

G103

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KEYNOTE LEGEND	
Key Value	Keynote Text
21:SP1	CLASS 1 DRY PIPE STANDPIPE; PROVIDE (2) OUTLETS WITH GLOBE VALVES AND A MINIMUM 2 1/2" NATIONAL STAND MALE THREAD (NST) WITH A REDUCING CAP TO A 1 1/2" NST TO BE INSTALLED ADJACENT TO A STAIRWAY AND BELOW ONE FLOOR HAVING SECURED DECK

EGRESS

NUMBER OF OCCUPANTS EXITING FROM ANOTHER LEVEL

NUMBER OF OCCUPANTS EXITING FROM SPACE

PATH OF TRAVEL

TRAVEL DISTANCE

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	250'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	125'

FIRE RATING KEY

WALL

- NO FIRE RATING
- 1 HOUR RATING - FIRE PARTITION
- 2 HOUR RATING - ONE SIDE
- 2 HOUR RATING - BOTH SIDES

TRAVEL DISTANCES

PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL
1	59' - 7"	74' - 0"
2	47' - 2"	55' - 6"
3	47' - 5"	77' - 10"
4	47' - 0"	61' - 1"

FIRE EXTINGUISHERS

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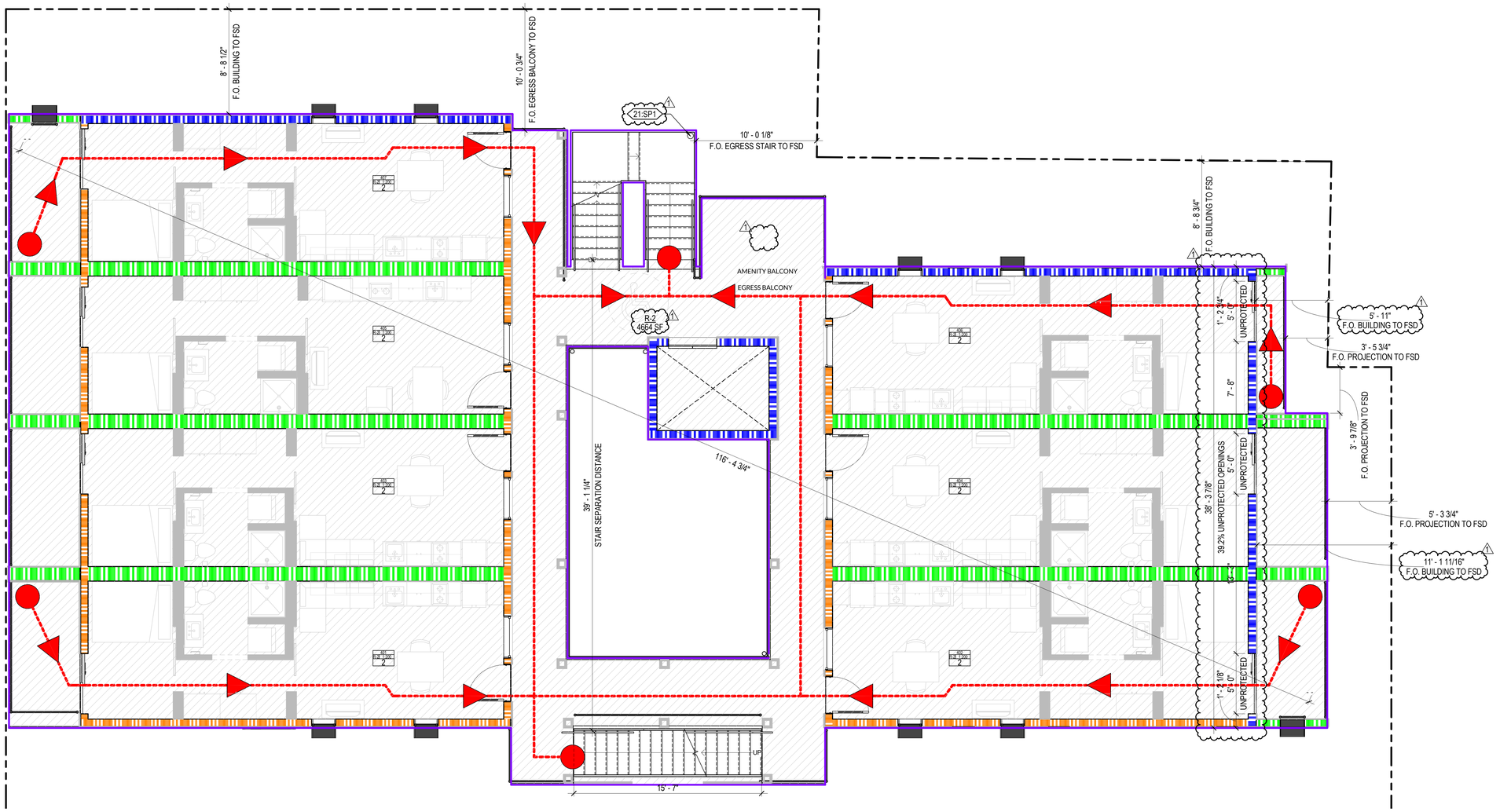

PLAN

N

A6 G104 LEVEL 04 - EXITING & OCCUPANCY
1/4" = 1'-0"

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LEVEL 04 - EXITING & OCCUPANCY PLAN

G104

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KEYNOTE LEGEND	
Key Value	Keynote Text
21:SP1	CLASS 1 DRY PIPE STANDPIPE; PROVIDE (2) OUTLETS WITH GLOBE VALVES AND A MINIMUM 2 1/2" NATIONAL STAND MALE THREAD (NST) WITH A REDUCING CAP TO A 1 1/2" NST TO BE INSTALLED ADJACENT TO A STAIRWAY AND BELOW ONE FLOOR HAVING SECURED DECK

EGRESS

NUMBER OF OCCUPANTS EXITING FROM ANOTHER LEVEL

NUMBER OF OCCUPANTS EXITING FROM SPACE

PATH OF TRAVEL

TRAVEL DISTANCE

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	250'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITH SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
RESIDENTIAL AREAS	(R-2)	125'

FIRE RATING KEY

WALL

- NO FIRE RATING
- 1 HOUR RATING - FIRE PARTITION
- 2 HOUR RATING - ONE SIDE
- 2 HOUR RATING - BOTH SIDES

TRAVEL DISTANCES

PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL
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3	47' - 5"	77' - 10"
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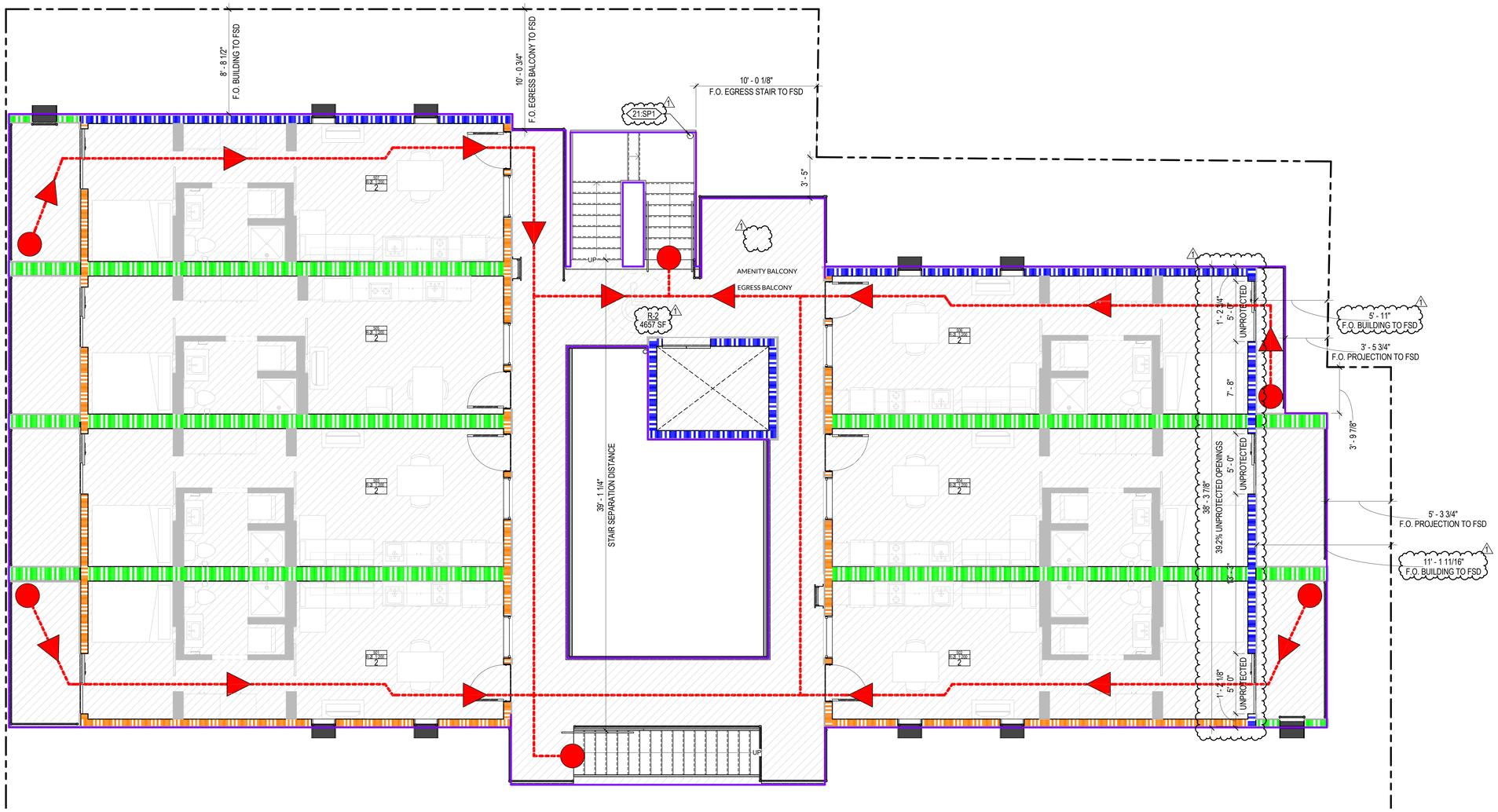

PLAN

N

A6 G105 LEVEL 05 - EXITING & OCCUPANCY
1/4" = 1'-0"

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LEVEL 05 - EXITING & OCCUPANCY PLAN

G105

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GENERAL NOTE - WALL TYPE

A. ALL NEW INTERIOR WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE. REFER TO THE LEGENDS ON THIS SHEET AND COORDINATE WITH PLANS.
B. WALL TYPES DESCRIBED ON THIS SHEET DO NOT SHOW OR ACCOUNT FOR REQUIREMENTS WHERE A TILE FINISH OCCURS. WHERE THE FINISH SCHEDULE OR INTERIOR ELEVATIONS CALL FOR TILE, REPLACE GYPSUM BOARD SHOWN IN THAT WALL'S ASSEMBLY WITH 5/8" TILE BACKER BOARD WHERE THE TILE OCCURS. REPLACE OTHER GYPSUM BOARD SHOWN IN THAT WALL'S ASSEMBLY WITH 5/8" MOISTURE RESISTANT GYPSUM BOARD WHERE NO TILE OCCURS.
C. WALL TYPES DESCRIBED ON THIS SHEET DO NOT ACCOUNT FOR REQUIRED BACKING / SUPPORT FOR MOUNTED FIXTURES, EQUIPMENT, CASEWORK, AND/OR SYSTEMS FURNITURE. COORDINATE WITH FLOOR PLANS, AND INTERIOR ELEVATIONS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS AND WHERE APPLICABLE USE DETAIL -/ ---
D. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL SHEATHING REQUIREMENTS AND ATTACHMENTS.
E. PROVIDE SEISMIC BRACING AT ALL WALL TYPES THAT DO NOT EXTEND TO DECK, PER DETAIL -/ ---
F. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PROVIDED PER SHEET G101.
G. INFORMATION IN THE LEGENDS BELOW IS FOR REFERENCE ONLY AND DOES NOT OVERRIDE THE CONTENTS OF THE DETAILS ON THIS SHEET.

EXTERIOR WALL TAG LEGEND

-XS#1.1

- PREFIX: 'X' FOR EXTERIOR CORE WALL
- CONSTRUCTION TYPE (SEE BELOW)
- STRUCTURE THICKNESS (TO NEAREST SIZE)
- FIRE RATING (AS NEEDED, SEE BELOW)
- TYPE (AS NEEDED)

CONSTRUCTION TYPES		FIRE RATING	
CONCRETE	C	1 HOUR	1
MASONRY	M	2 HOUR	2
STEEL STUDS	S	3 HOUR	3
C-H (SHAFTWALL) STUD	SS	4 HOUR	4
WOOD STUDS	W	NO RATING	NOT SHOWN

INTERIOR WALL TAG LEGEND

-S61M-C

- CONSTRUCTION TYPE (SEE BELOW)
- STRUCTURE THICKNESS (TO NEAREST SIZE)
- FIRE RATING (AS NEEDED, SEE BELOW)
- MODIFIERS (AS NEEDED, SEE BELOW)
- TOP OF WALL CONDITION, IF NOT TO DECK (AS NEEDED, SEE BELOW)

CONSTRUCTION TYPES		FIRE RATING	
CONCRETE	**C**	0 HOUR (SMOKE)	**0**
MASONRY	**M**	1 HOUR	**1**
STEEL STUDS	**S**	2 HOUR	**2**
C-H (SHAFTWALL) STUD	**H**	3 HOUR	**3**
WOOD STUDS	**W**	4 HOUR	**4**
DOUBLE STUD	**#D**	NO RATING	**NOT SHOWN**

MODIFIER EXAMPLES		TOP OF WALL CONDITIONS
ACOUSTIC RATING	**A**	SEE TABLE BELOW
FURRING	**F**	
GYP. ONE SIDE	**G**	
LEAD SHEILDING	**L**	
RF SHEILDING	**R**	
MAGNETIC SHEILDING	**M**	

TOP OF WALL CONDITIONS — EXAMPLE

-U = UNDERSIDE / BOTTOM OF CEILING
WALL EXTENDS TO UNDERSIDE OF CEILING. TERMINATE WITH "J" MOULD AT GYP. BOARD WALLS.



-C = 6" ABOVE CEILING
WALLS WILL TERMINATE AT 6" ABOVE THE HIGHEST ADJOINING CEILING (UNLESS OTHERWISE NOTED) TERMINATE 1 FULL COURSE ABOVE FOR MASONRY WALLS.



-H = PARTIAL HEIGHT
REFER TO DRAWINGS FOR TOP OF WALL ELEVATION



-N = NO SIDES TO STRUCTURE
WALLS WILL TERMINATE AT 6" ABOVE HIGHEST ADJOINING CEILING (UNLESS OTHERWISE NOTED) TERMINATE 1 FULL COURSE ABOVE FOR MASONRY WALLS.



-S = ONE SIDE TO STRUCTURE
WALL WILL TERMINATE TO BOTTOM OF DECK ON ONE SIDE AND THE OTHER SIDE SHALL TERMINATE AT 6" ABOVE HIGHEST ADJOINING CEILING (UNLESS OTHERWISE NOTED). TERMINATE 1 FULL COURSE ABOVE FOR MASONRY WALLS.



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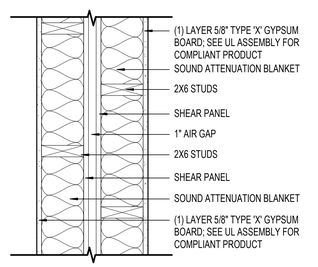
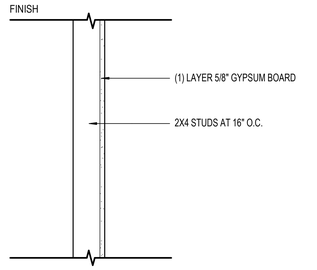
ASSEMBLY TYPES - VERTICAL

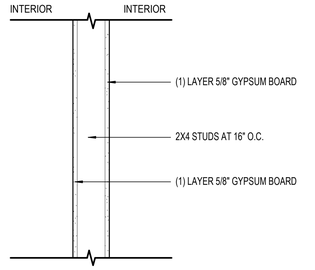
G501



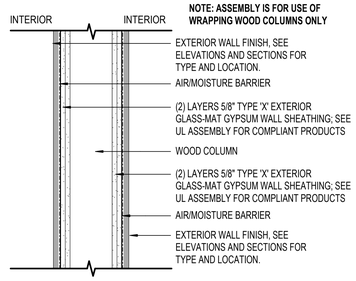
WALL TYPE: **WD61A**
FIRE RATING: 1 HOUR
FIRE TEST: B.O.D. GA FILE NO. WP 3370 & UL U305
STC RATING: 50-54 **TEST:** NOAL 17-0837



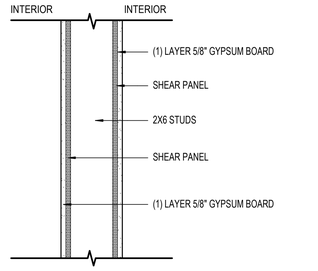
WALL TYPE: **W4G**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



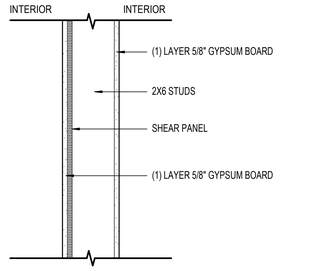
WALL TYPE: **W4**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



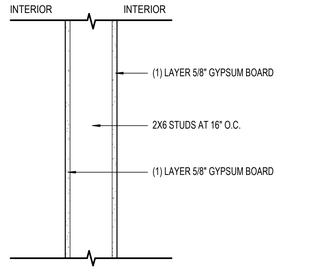
WALL TYPE: **XWC61**
FIRE RATING: 1 HOUR
FIRE TEST: IBC 722.6.2 (1)
STC RATING: N/A **TEST:** N/A



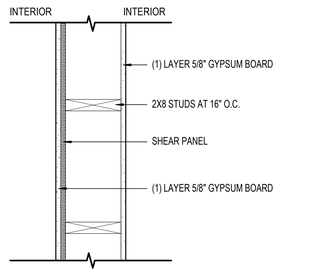
WALL TYPE: **W6SS**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



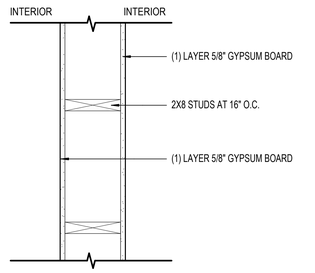
WALL TYPE: **W6S**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



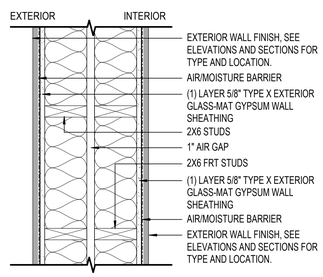
WALL TYPE: **W6**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



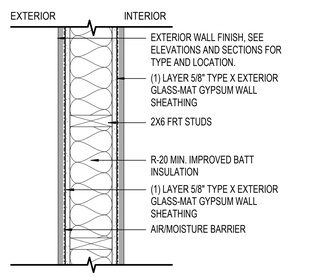
WALL TYPE: **W8S**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



WALL TYPE: **W8**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **TEST:** N/A



WALL TYPE: **XWD61**
FIRE RATING: 1 HOUR
FIRE TEST: B.O.D UL U305
STC RATING: N/A **TEST:** N/A



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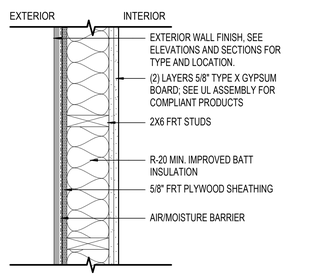
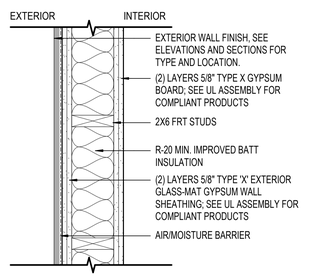
FIRE RATING: 1 HOUR
FIRE TEST: B.O.D. UL U305
STC RATING: N/A **TEST:** N/A



WALL TYPE: **XW62.2**
FIRE RATING: 2 HOUR (OS)
FIRE TEST: B.O.D. UL V314
STC RATING: N/A **TEST:** N/A



WALL TYPE: **XW62.1**
FIRE RATING: 2 HOUR (BS)
FIRE TEST: B.O.D. UL U301
STC RATING: N/A **TEST:** N/A

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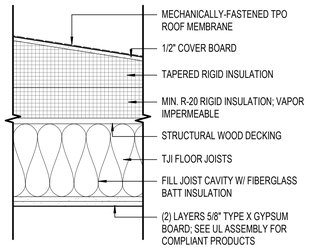
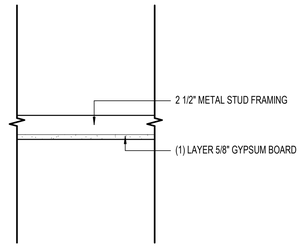
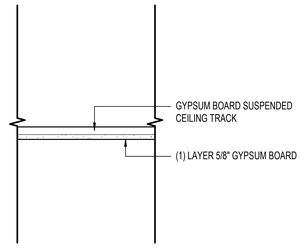


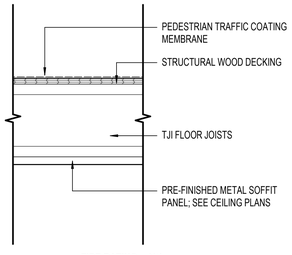
ROOF TYPE: **RW91**
FIRE RATING: 1 HOUR, CLASS B
FIRE TEST: IBC TABLE 721.1(3), ITEM #21-1.1
SOUND RATING: N/A **TEST:** N/A



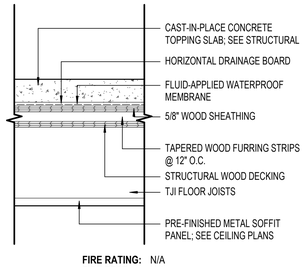
CEILING TYPE: **CS20**
FIRE RATING: N/A
FIRE TEST: N/A
SOUND RATING: N/A **TEST:** N/A



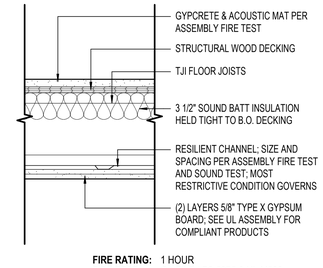
CEILING TYPE: **CT10**
FIRE RATING: N/A
FIRE TEST: N/A
SOUND RATING: N/A **TEST:** N/A



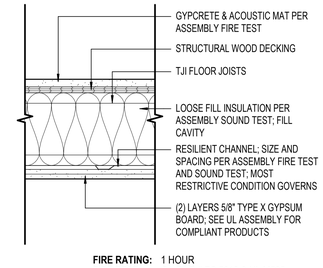
FLOOR TYPE: **FW90.2**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **IIC RATING:** N/A
SOUND TEST: N/A



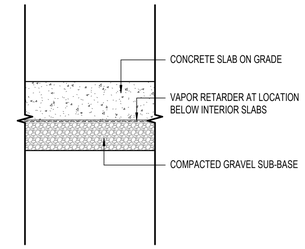
FLOOR TYPE: **FW90.1**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **IIC RATING:** N/A
SOUND TEST: N/A



FLOOR TYPE: **FW91**
FIRE RATING: 1 HOUR
FIRE TEST: GA FILE #FC 5075 & UL M532
STC RATING: 55-59 **IIC RATING:** 53
SOUND TEST: ITS H5048.02



FLOOR TYPE: **FW91**
FIRE RATING: 1 HOUR
FIRE TEST: GA FILE # FC 5013 & UL M535
STC RATING: 60 **IIC RATING:** 57
SOUND TEST: NGC 5017060



FLOOR TYPE: **FG50**
FIRE RATING: N/A
FIRE TEST: N/A
STC RATING: N/A **IIC RATING:** N/A
SOUND TEST: N/A

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JUSTIN VANCE
5000975-0301
5-12-21
LICENSED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

ASSEMBLY TYPES - HORIZONTAL

G505

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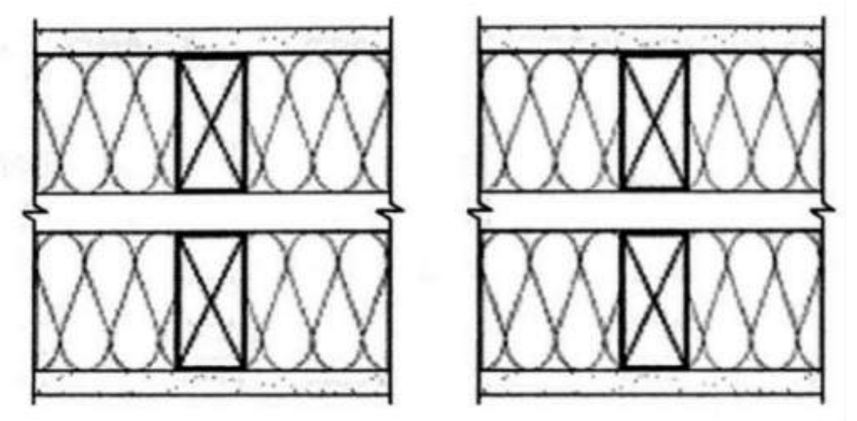
GA. FILE NO. WP. 3370

GA FILE NO. WP 3370	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND



GYPSUM WALLBOARD, WOOD STUDS, INSULATION

Fire Design:
One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates 1" apart with 2" Type W screws 7" o.c. Two layers 3.5" unfaced glass fiber insulation friction fit on both sides.
Joints staggered 16" on OPPOSITE SIDES. Horizontal bracing required at mid-height. **(LOAD-BEARING)**

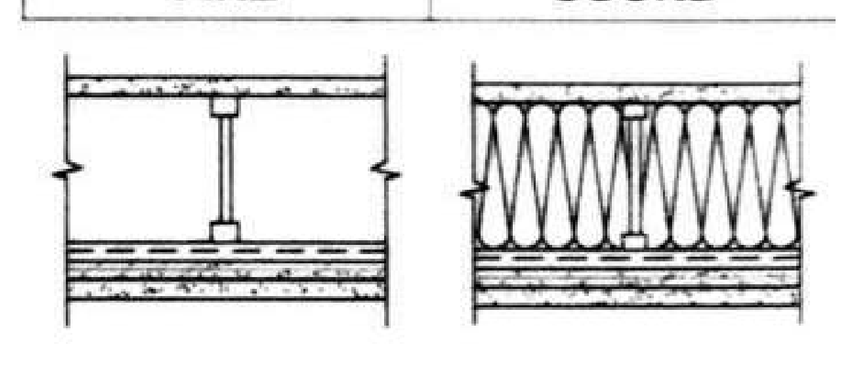
Sound Design:
Sound tested as constructed for fire.

Thickness: 9-1/2" (Fire and Sound)
Approx. Weight: 8 psf (Fire and Sound)
8.5 psf (Fire and Sound)
Fire Test: See WP 3605
(UL R1319-4, 6, 6-17-52;
UL R2717-39, 1-20-66;
UL R3501-52, 3-15-66,
UL Design U305;
ULC Design W301);
UL R4024, 10-31-68
Sound Test: NOAL 17-0837, 8-25-17

GA. FILE NO. FC. 5013

FLOOR-CEILING SYSTEMS, WOOD FRAMED

GA FILE NO. FC 5013	PROPRIETARY*	1 HOUR FIRE	60 to 64 STC SOUND



WOOD I-JOISTS, GYPSUM WALLBOARD, RESILIENT CHANNELS

Fire Design:
Base layer 5/8" proprietary gypsum panel product applied at right angles to resilient channels 24" o.c. (16" o.c. with insulation attached to subfloor and 12" o.c. with insulation over the resilient channel) with 1" Type S screws 8" o.c. at the butt joints and 16" o.c. in the field. Resilient channels applied at right angles to 9-1/2" deep wood I joists 24" o.c. with 1-1/4" Type S screws. **Face** layer 1/2" proprietary type X gypsum wallboard applied at right angles to resilient channels with 1-5/8" Type S screws 8 o.c. and 1-1/2" Type G screws 6" from butt joints and spaced 8" o.c. Wood I joists supporting 19/32" wood structural panel subfloor applied at right angles to joists with construction adhesive and 6d ring shank nails 12" o.c.

Sound Design:
Sound tested with resilient channel at 12 o.c. with loose fill insulation applied directly over the gypsum board. Finished floor of 3/4" gypsum concrete floor topping over sound mat.

PROPRIETARY GYPSUM BOARD

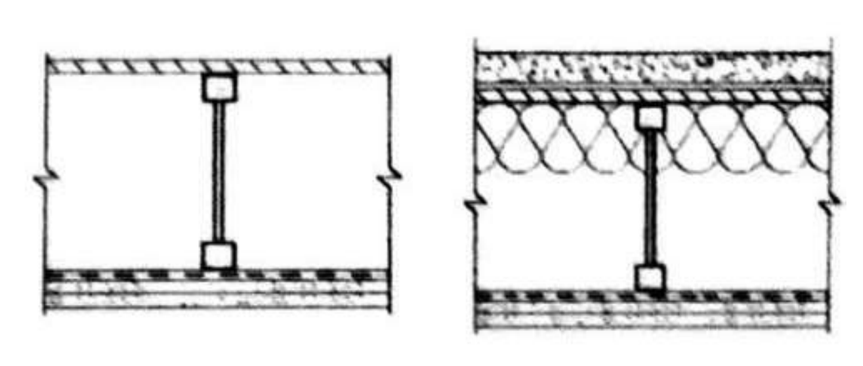
CertainTeed Gypsum Inc .... 5/8" SilentFX® QuickCut™
1/2" CertainTeed® Type C Board

Approx. Ceiling Weight: 19.5 psf (Fire and Sound)
Fire Test: UL R3660
10CA25812, 8-17-10,
4787675943, 12-1-16,
UL Design M535
Sound Test: NGC 5017060 & NGC 7017091, 4-20-17 (STC 54, IIC 46)
NGC 5017069 & NGC 7017110, 5-9-17 (STC 60, IIC 78 with Carpet and Pad)
NGC 5017070 & NGC 7017111, 5-9-17 (STC 60, IIC 57 with 3/16" (5mm) Luxury Vinyl Tile (LVT))
NGC 5017071 & NGC 7017112, 5-9-17 (STC 62, IIC 58 with 3/16" (5mm) LVT over underlayment)
NGC 5017072 & NGC 7017113, 5-10-17 (STC 60, IIC 58 with 3/8" (9.5mm) Engineered Hardwood)

GA. FILE NO. FC. 5075

FLOOR-CEILING SYSTEMS, WOOD FRAMED

GA FILE NO. FC 5075	PROPRIETARY*	1 HOUR FIRE	55 to 59 STC SOUND



GYPSUM PANELS, RESILIENT CHANNELS, WOOD I-JOISTS

Fire Design:
Base layer 5/8" proprietary type X gypsum panels applied at right angles to resilient channels 16" o.c. with 1" Type S screws 8" o.c. Resilient channels applied at right angles to 9-1/2" deep wood I-joists, with 1-1/4" deep x 1-3/4" wide flanges and 3/8" webs, 24" o.c. with 1-5/8" Type S screws. **Face** layer 5/8" proprietary type X gypsum panel applied at right angles to channels with 1-5/8" Type S screws 8" o.c. Wood I-joists supporting 23/32" plywood or oriented strand board applied at right angles to I-joists with 2-1/2" long smooth shank nails spaced 6" o.c. at the perimeter and 12" o.c. in the field.

Sound Design:
Sound tested with 11-7/8" wood I-joists 3-1/2" glass fiber insulation against the floor side in joist spaces, 3/4" proprietary gypsum floor topping poured over 1/8" proprietary sound reduction mat. Finish flooring of vinyl plank, sheet vinyl, cushioned sheet vinyl, carpet & pad, ceramic tile, or engineered wood laminate.

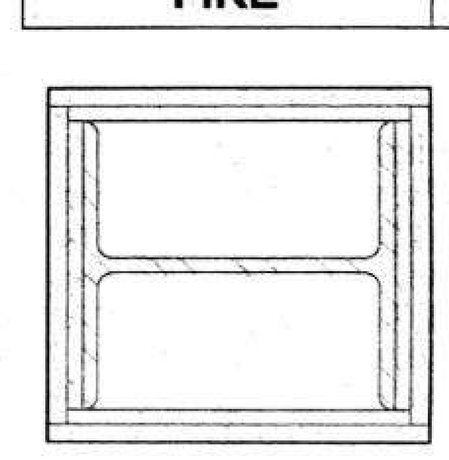
PROPRIETARY GYPSUM PANEL

United States Gypsum Company .... 5/8" Sheetrock® Brand EcoSmart Panels Firecode® X
Levelrock® Brand Floor Underlayment

Approx. Ceiling Weight: 4 psf (Fire and Sound)
Fire Test: UL R1319, 4787388736, 7-22-16;
4787488182, 9-29-16;
4787596037, 11-18-16;
4788022241, 6-29-17
UL Design M532
Sound Test: ITS H5048.02, 9/18/17;
ITS H5048.03, 9/18/17;
ITS H5048.04, 9/18/17;
ITS H5048.05, 9/19/17;
ITS H5048.06, 9/18/17;
ITS H5048.07, 9/18/17
IIC Test: (53 vinyl plank) ITS H5048.02, 9/18/17;
(51 sheet vinyl) ITS H5048.03, 9/18/17;
(57 wood floor) ITS H5048.04, 9/18/17;
(51 tile and sheet membrane) ITS H5048.05, 9/19/17;
(78 carpet & pad) ITS H5048.06, 9/18/17;
(56 laminate flooring) ITS H5048.07, 9/18/17

GA. FILE NO. CM 2015

GA FILE NO. CM 2015	GENERIC	2 HOUR FIRE



GYPSUM WALLBOARD, STEEL COLUMN COVER

Fire Design:
Base layer 1/2" type X gypsum wallboard applied around W10x49 column and held in place with paper masking tape. **Second** layer 5/8" type X gypsum wallboard applied around column and held in place with paper masking tape. **Face** layer either 24 ga. galvanized steel column cover consisting of two L-shaped sections with snap-lock sheet steel joints or 22 ga. galvanized steel column covers consisting of two L-shaped sections with lap joints fastened with No. 8x1/2" sheet metal screws 12" o.c.
Horizontal joints staggered 24" between layers.

Fire Test: UL NC505-(1-6), 71NK2639, 12-23-75;
UL NC505, 77NK1518;
UL Design X526

V314

UL Product **iQ**™

BXUV.V314

Design/System/Construction/Assembly Usage Disclaimer

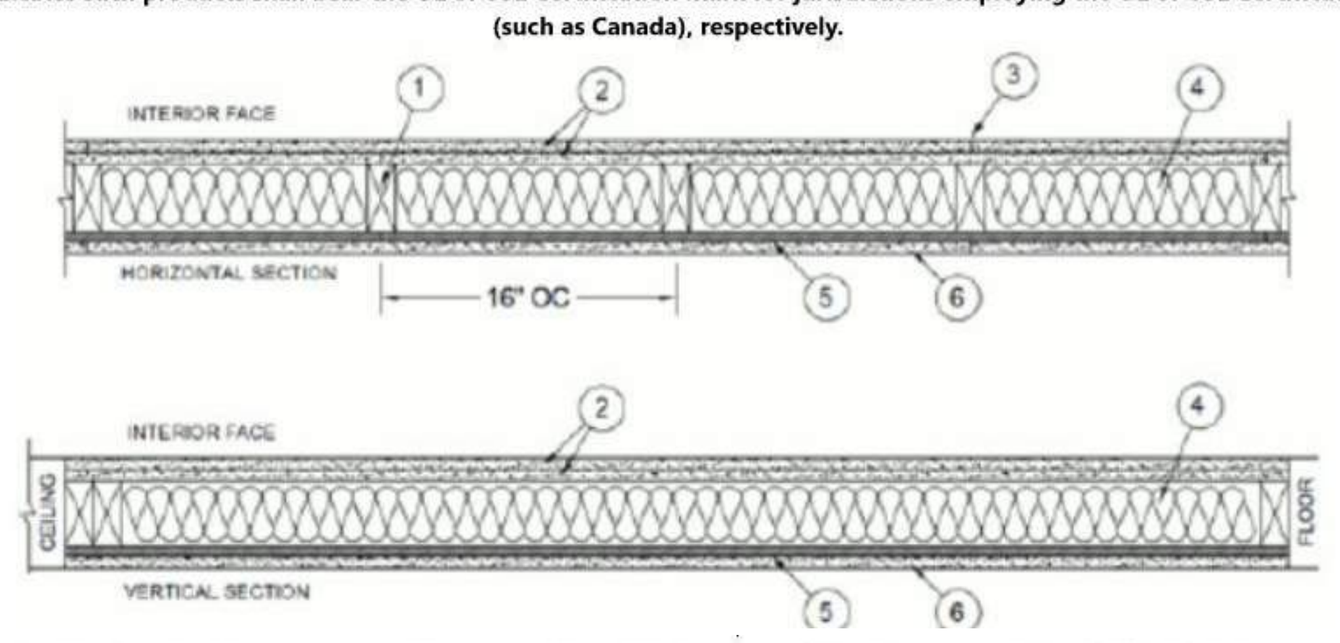
- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of products. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. V314

Bearing Wall Rating - 1 Hr Rating Exposed to Fire on Exterior Face (See Item 8)
Bearing Wall Rating - 2 Hr Rating Exposed to Fire on Interior Face
Finish Rating — 42 min (Exposed to Fire on Interior Face)
Loaded Per 2012 NDS Supplement, ASD Method, Wall Braced Mid-Height
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Framing Members* —** Pressure-treated, fire-retardant Wood Studs - nominal 2 by 4 in., spaced 16 in. OC effectively fire stopped. As an option, pressure-treated, fire-retardant Wood Studs nominal 2 by 6 in., spaced 24 in. OC effectively fire-stopped.
HOOVER TREATED WOOD PRODUCTS INC — Pyro-Guard® treated lumber

2. **Gypsum Board* —** Nom 5/8 in. thick, 4 ft. wide, two layers applied vertically. Base layer nailed to wood studs and bearing plates 6 in. OC. with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam. and 1/4 in. diam. head. The face layer, with joints staggered from base layer, nailed to the studs and bearing plates over the base layer, 8 in. OC with 8d cement coated nails, 2-3/8 in. long, 0.113 in. shank diam. 9/32 in. diam. head.
AMERICAN GYPSUM CO (View Classification) — Type AGX-1, AG-C, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — Type DBX-1

CABOT MANUFACTURING ULC (View Classification) — Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X, Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC (View Classification) — Type X, Type X-1, Easi-Lite Type X-2 , Type EGRG, GlasRoc, GlasRoc-2, SilentFX, Type C

CGC INC (View Classification) — Type AR, Type IP-X1, Type IP-X2, Type IP-AR, Type IPC-AR, Type SCX, Type SHX, Type WRX, Type C, Type ULIX

CERTAINTEED GYPSUM INC (View Classification) — Type LGFC-C/A, Type LGFC2A, Type LGFC-WD

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — Types GPFS1, Type GPFS2, Type GPFS6, Type DA, Type DAPC, Type DGG, Type DD, Type DS, Type DAP, Type 5, Type 6

NATIONAL GYPSUM CO (View Classification) — Type FSW, FSK, FSMR-C, FSL, FSLX, FSK-G, Type FSW-G, Type FSW-5, Type FSW-6, Type FSK-C, Type FSW-C, eXP-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — Type PG-2, Type PG-3W, Type PG-3WS, Type PG-4, Type PG-5W, Type PG-5WS, Type PG-6, Type PG-WRS, Type QuietRock ES, Type C, Type PGI

PANEL REY S A (View Classification) — Type PRX, Type RHX, Type MDX, Type, ETX, Type GREX, Type GRIX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — Type EX-1

THAI GYPSUM PRODUCTS PCL (View Classification) — Type X, Type C

UNITED STATES GYPSUM CO (View Classification) — Type AR, Type IP-X1, Type IP-X2, Type IP-AR, Type IPC-AR, Type SCX, Type SGX, Type SHX, Type WRX, Type C, Type ULIX

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX

USG MEXICO S A DE C V (View Classification) — Type AR, Type IP-X1, Type IP-X2, Type IP-AR, Type IPC-AR, Type SCX, Type SHX, Type WRX, Type C

2A. **Gypsum Board* —** For use with Item 4C, as an alternate to Gypsum Board (Item 2) — Nom 5/8 in. thick, 4 ft. wide, two layers applied vertically. Base layer nailed to wood studs and bearing plates 6 in. OC. with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam. and 1/4 in. diam. head. The face layer, with joints staggered from base layer, nailed to the studs and bearing plates over the base layer, 8 in. OC with 8d cement coated nails, 2-3/8 in. long, 0.113 in. shank diam. 9/32 in. diam. head.
UNITED STATES GYPSUM CO (View Classification) — Type C

2B. **Gypsum Board* —** For use with Item 4C, as an alternate to Gypsum Board (Item 2) — Nom 5/8 in. thick, 4 ft. wide, two layers applied vertically. Base layer nailed to wood studs and bearing plates 6 in. OC. with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam. and 1/4 in. diam. head or 1-1/4 in. long Type W screws. The face layer, with joints staggered from base layer, fastened to the studs and bearing plates over the base layer, 8 in. OC with 8d cement coated nails, 2-3/8 in. long, 0.113 in. shank diam. 9/32 in. diam. head or 1-7/8 in long Type W screws.

AMERICAN GYPSUM CO (View Classification) — Type AG-C

3. **Joints and Nailheads —** Gypsum board joints covered with tape and joint compound. Nail heads covered with joint compound.

4. **Batts and Blankets* —** Faced or unfaced mineral fiber insulation, 3-1/2 in. thick, nom 3.0 pcf, pressure fit in the wall cavity between stud, plates, and cross bracing. Insulation may be applied in multiple layers to achieve final thickness.
See Batts and Blankets* (BZJZ) category for names of Classified manufacturers.

4A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 4) — Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

4B. **Batts and Blankets* —** For use with Item 7 or Item 8, as an alternate to Batts and Blankets (Item 4) — Faced or unfaced glass fiber batts 3-1/2 in. thick, nom 1.40 pcf (min R-15 thermal insulation rating), friction fit in the wall cavity between stud, plates, and cross bracing. Insulation may be applied in multiple layers to achieve final thickness.
See **Batts and Blankets*** (BZJZ) category for names of Classified manufacturers.

4C. **Batts and Blankets* —** For use with Item 2A and 2B, as an alternate to Batts and Blankets (Item 4) — Faced or unfaced glass fiber batts 3-1/2 in. thick, nom 0.8 pcf (min R-13 thermal insulation rating), friction fit in the wall cavity between stud, plates, and cross bracing. Insulation may be applied in multiple layers to achieve final thickness.
See **Batts and Blankets*** (BZJZ) category for names of Classified manufacturers.

5. **Building Units* —** Pressure-treated, fire-retardant plywood installed vertically nailed to the wood framing with 1-7/8 in. long, 6d nails, spaced 6 in. OC. on the perimeter and 12 in. OC. in the field. Vertical and horizontal joints are backed by framing. Panels provided in nominal size of 48 in. wide by 96 in. long by 15/32 in. thick.
HOOVER TREATED WOOD PRODUCTS INC — Pyro-Guard treated plywood

6. **Exterior Facings —** Any exterior facing, as authorized by the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions are allowed. Exterior facings may include, but are not limited to the following examples:
6A. **Molded Plastic* —** Solid vinyl siding mechanically secured to framing members in accordance with manufacturer's recommended installation details.

6B. **Brick —** Brick veneer, meeting the requirements of local code agencies. Brick veneer attached to the studs with corrugated metal wall ties attached to each stud with 8d cement coated nails, every sixth course of bricks.

6C. **Particle Board Siding —** Oriented strand board, wafer board, or hard board exterior building sidings including patterned panels.

6D. **Plywood —** American Plywood Association rated siding including T1-11 and series 303 textures, rough sawn, MDO, brushed, channel grooved, and lap siding.

6E. **Cementitious Stucco —** Portland cement or synthetic stucco systems (e.g. EIFS) with self-furring metal lath or adhesive base coat. Thickness from 3/8 in. to 3/4 in. depending on system.

6F. **Fiber Cement Siding —** Fiber Cement Lap or Vertical Siding. Minimum 5/16 in. thick, fastened to studs through the Building Units, Item 5, with nails or screws, at the locations specified by the manufacturer.

7. **Exterior Facings —** (Not Shown) One of the following exterior facings shall be installed in accordance with the manufacturer's installation instructions:
7A. **Brick —** Brick veneer, meeting the requirements of local code agencies. Brick veneer attached to the studs with corrugated metal wall ties attached to each stud with 8d cement coated nails, every sixth course of bricks.

7B. **Particle Board Siding* —** Oriented strand board, wafer board, or hard board exterior building sidings including patterned panels.

7C. **Plywood —** American Plywood Association rated siding including T1-11 and series 303 textures, rough sawn, MDO, brushed, channel grooved, and lap siding.

7D. **Cementitious Stucco —** Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 in. to 3/4 in. depending on system.

7E. **Fiber Cement Siding —** Fiber Cement Lap or Vertical Siding. Minimum 5/16 in. thick, fastened to studs through the Building Units, Item 5, with nails or screws, at the locations specified by the manufacturer.

8. **Exterior Facings —** (Not Shown) — Required for 1 Hour Rating on the Exterior Face. The following exterior facing shall be installed in accordance with the manufacturer's installation instructions:
8A. **Brick —** Brick veneer, minimum thickness of 2.3 inches, meeting the requirements of local code agencies. Brick veneer attached to the studs with corrugated metal wall ties attached to each stud with 8d cement coated nails, every sixth course of bricks.

8B. **Cementitious Stucco —** Portland cement with self-furring metal lath. Minimum thickness of 3/4 in. with a mix ratio of 1:4 for scratch coat and 1:5 for brown coat, by volume, cement to sand.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2021-05-14

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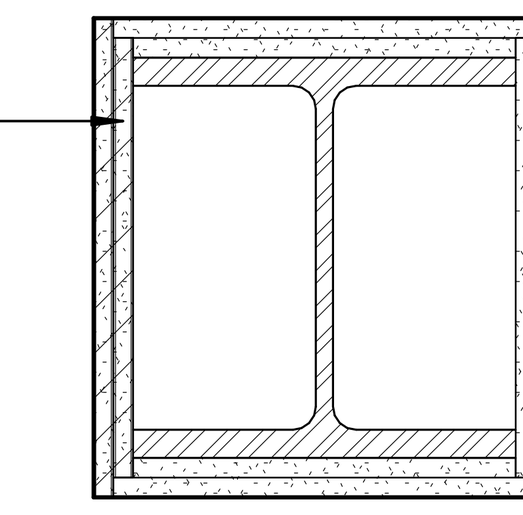

E2 / G510 **2-HOUR COLUMN WRAP**
1 1/2" = 1'-0"

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STATE OF UTAH
5000975-0301
5-21-21
LICENSED ARCHITECT

VILLA NUEVA LLC.
MICRO VILLAS
915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision
1	8.3.21	CITY COMMENTS #1

BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

GA ASSEMBLIES

G510

8/4/2021 2:09:21 PM

M532

Design No. M532

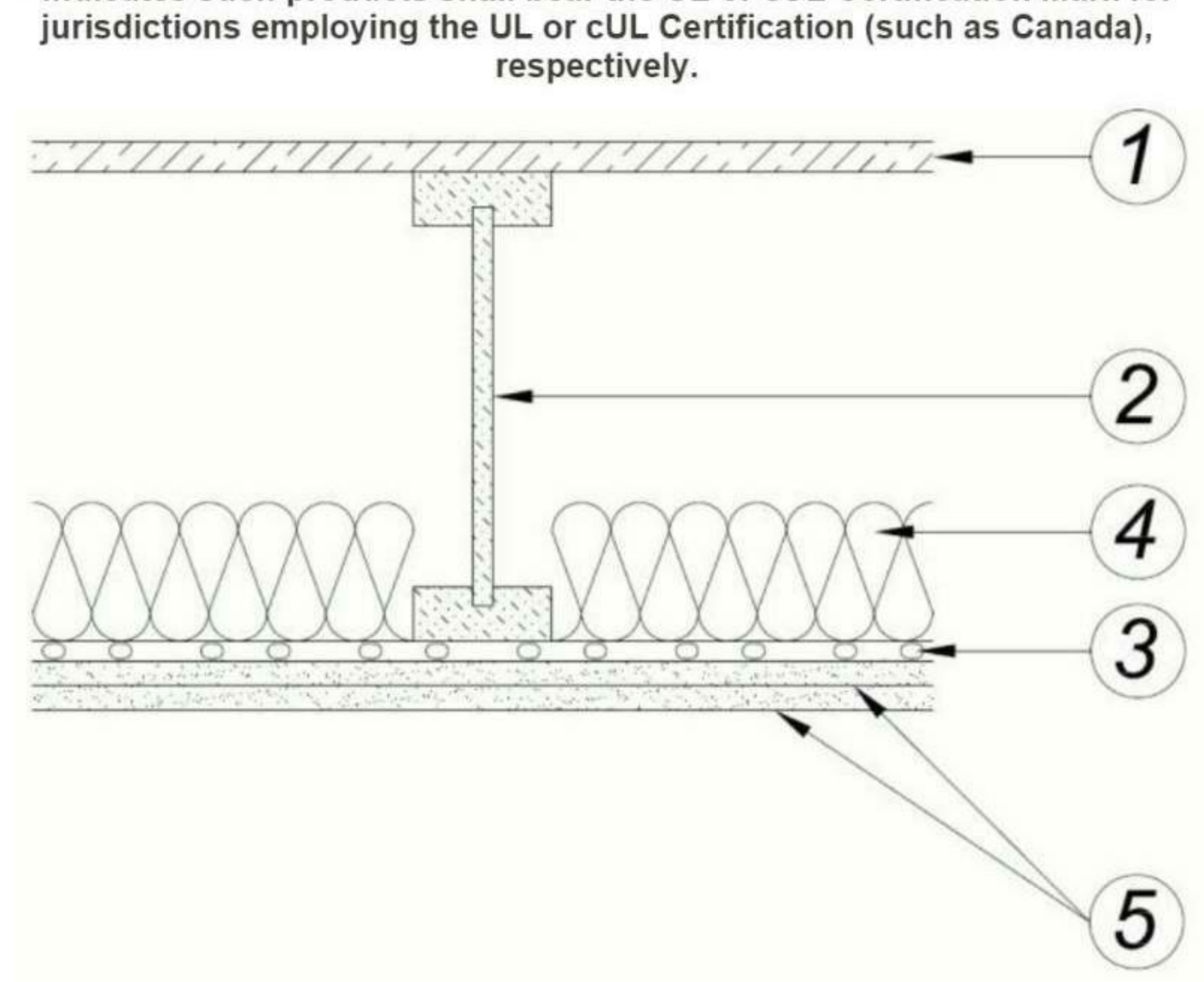
November 14, 2019

Unrestrained Assembly Rating - 1 Hr.

Finish Rating - 52 Min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Flooring Systems —** The flooring system shall consist of one of the following:

System No. 1

Finish Flooring — Min 23/32 in. thick plywood or oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Panels secured to joist with 2-1/2 in. long smooth shank nails spaced 6 in. OC at the perimeter with one nail located 1-1/2 in. from each edge and 12 in, OC in the field with one nail located 4-3/4 in. from each edge.

System No. 2

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.010 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD

USG MEXICO S A DE C V — Types LRK, HSLRK, CSD

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25

System No. 3

Structural Cement-Fiber Units* — Nom 3/4 in. thick, with long edges tongue and grooved. Long dimension of panels to be perpendicular to joists with end joints staggered a min of 2 ft and centered over the joists. Panels secured to joists with 1-5/8 in. long No. 8 self-drilling, self-countersinking steel screws spaced a max of 12 in. OC in the field with a screw located 1

in. and 2 in. from each edge, and 8 in. OC on the perimeter with a screw located 2 in. from each edge, located 1/2 in. from the side edges of the panel.

UNITED STATES GYPSUM CO — Types STRUCTO-CRETE, USGSP

2. **Structural Wood Members —** Min 9-1/2 in. deep "I" shaped wood joists spaced at a max of 24 in. OC. Joists shall conform to ICC-ES ESR-1153 Report. Joist top and bottom chords minimum 1-1/4 in. deep by 1-3/4 in. wide and constructed of either Microllam laminated veneer lumber (LVL) or TimberStrand laminated strand lumber (LSL). Webs constructed of minimum 3/8 in. thick Performance Plus OSB, PS2, Exposure 1. Installation shall be in accordance with manufacturers published literature.

3. **Resilient Channels —** Resilient channels formed of 25 MSG galv steel, installed perpendicular to the joists spaced max 16 in. OC. when the insulation is draped over the resilient channels and gypsum board ceiling membrane. Resilient channels installed perpendicular to the joists spaced max 16 in. OC when the insulation is secured to the subfloor or to the wood joists with 0.90 in. diam galv steel wires, suspended above the ceiling membrane. Channels secured to each joist with 1-5/8 in. long Type S steel screws. Channel splices located beneath joists and overlapped 4 in. Two channels, spaced 6 in. OC, oriented opposite each gypsum board end joint as shown in end joint detail. Additional channels shall extend min 6 in. beyond each side edge of board.

3C. **Alternate Steel Framing Members* —** (Optional, Not Shown) — As an alternate to Items 3 to 3B, furring channels and Steel Framing Members as described below.

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, installed perpendicular to the joists spaced max 16 in. OC when the insulation is draped over the furring channels and gypsum board ceiling membrane. Furring channels installed perpendicular to the joists spaced max 16 in. OC when the insulation is secured to the subfloor or to the wood joists with 0.9 in. diam galv steel wires, suspended above the ceiling membrane. Channels secured to joists as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the wood joists (Item 2). Clips spaced a max of 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to alternating joists with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the wallboard butt joints, as described in Item 5.

PAC INTERNATIONAL L L C — Types RSIC-1 or RSIC-1 (2.75)

3D. **Steel Framing Members* —** (Optional, Not Shown) — As an alternate to Item 3.

a. **Furring Channels —** Formed of No. 25 MSG galv steel, nominal 2-1/2 in. wide by 7/8 in. deep, spaced 16 in. OC, perpendicular to the joists. Channels secured to Cold Rolled Channels at every intersection with a 3/4 in. TEK screw through each furring channel leg. Ends of adjoining channels overlapped 12 in. and fastened together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap, or with two 3/4 in. TEK screws in each leg of the overlap section. Two furring channels positioned 3 in. OC, 1-1/2 in. on each side of gypsum board (Item 5) end joints, each extending a min of 6 in. beyond both side edges of the board.

b. **Cold Rolled Channels —** 1-1/2 in. by 1/2 in., formed from No. 16 ga. galv steel, positioned vertically and parallel to joists, friction-fitted into the channel caddy on the Steel Framing Members (Item 3Dc) and secured with two 3/4 in. TEK screws. Adjoining lengths of cold rolled channels lapped min. 12 in. and secured along bottom legs with four 3/4 in. TEK screws and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. **Steel Framing Members* —** Spaced 48 in. OC. max along joist, and secured to the joist on alternating joists with two, #10 x 1-1/2 in. screws through mounting holes on the hanger bracket.

PAC INTERNATIONAL L L C — Type RSIC-SI-CRC EZ Clip

3E. **Steel Framing Members* —** (Optional, Not Shown) — As an alternate to Item 3.

a. **Furring Channels —** Formed of No. 25 MSG galv steel, nominal 2-1/2 in. wide by 7/8 in. deep, spaced 16 in. OC perpendicular to joists and friction fit into Steel Framing Members (Item 3Eb). Ends of adjoining channels overlapped 6 in. and tied

together with double strand of No. 18 SWG galv steel wire near each end of overlap or with two TEK screws along each leg of the 6 in. overlap. Two furring channels positioned 6 in. OC, 3 in. on each side of gypsum board (Item 5) end joints. Butt joint channels held in place by strong back channels placed upside down, on top of, and running perpendicular to primary furring channels, extending 6 in. longer than length of gypsum side joint. Strong back channels spaced maximum 48 in. OC. Strong back channels secured to every intersection of primary furring channels with four 7/16 in. pan head screws, two along each of the legs at intersections. Butt joint channels run perpendicular to strong back channels and shall be minimum 6 in. longer than length of joint, secured to strong back channels with 7/16 in. pan head screws, two along each of the legs at intersection with strong back channels.

b. **Steel Framing Members* —** Used to attach furring channels (Item 3Ea) to joists. Clips spaced 48 in. OC and secured along joist webs at each furring channel intersection with min. 3/4 in. long self-drilling #10 x 1-1/2 in. screws through each of the provided hole locations. Furring channels are friction fitted into clips.

PAC INTERNATIONAL L L C — Type RSIC-S1-1 Ultra

4. **Batts and Blankets* —** (Optional) Any thickness of mineral wool or glass fiber insulation, secured to the subfloor with staples, fitted in the concealed space, draped over the resilient channels and gypsum board ceiling membrane. If the insulation is secured to the subfloor or to the wood joists with 0.90 in. diam galv steel wires, suspended above the ceiling membrane, the resilient channels spaced max 16 in. OC. When the insulation is draped over the resilient channels and gypsum board ceiling membrane, the resilient channels spaced max 16 in. OC. Any mineral wool or glass fiber insulation bearing the UL Classification Marking for Surface Burning Characteristics having a flame spread index of 25 or less and a smoke developed index of 50 or less may be used.

See **Batts and Blankets (BKNV)** category in the Building Materials Directory for names of manufacturers.

5. **Gypsum Board* —** Two layers of 5/8 in. thick by 4 ft wide gypsum panels, installed perpendicular to resilient/furring channels. The base layer of panels screw-attached to the resilient/furring channels with 1 in. long Type S screws spaced 8 in. OC with the last two screws located 1 and 4 in from long edge of the board. The face layer screw-attached to the resilient/furring channels with 1-5/8 in. Type S screws spaced as the base layer. When **Steel Framing Members** (Item 3A) are used, gypsum board installed with long dimension perpendicular to cross tees. The base layer of panels fastened to cross tees with 1 in. long Type S screws spaced 8 in. OC at the butt joints and 16 in. OC in the field of the panel. The

face layer screw-attached to the cross tees with 1-5/8 in. Type S screws spaced 8 in. OC and 1-1/2 in. Type G screws spaced 8 in. OC at the butt joints located mid-span between cross tees. Screws along sides and ends of panels spaced 3/8 to 1/2 in. from panel edge. End joints of panels shall be staggered with spacing between joints on adjacent panels not less than 4 ft OC. When **Steel Framing Members** (Item 3B or 3C) are used, the butt joints in the gypsum board shall be supported by two furring channels. The two furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to underside of the joist with one RSIC-1, RSIC-1 (2.75) or Genie clip at each end of the channel.

When **Steel Framing Members** (Item 3D) are used, Two layers of 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 5. Adjacent butt joints staggered minimum 48 in. OC.

When **Steel Framing Members** (Item 3E) are used, Two layers of 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 5. Butt joints staggered minimum 24 in. OC.

CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

6. **Finishing System —** (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2019-11-14

M535

Design No. M535

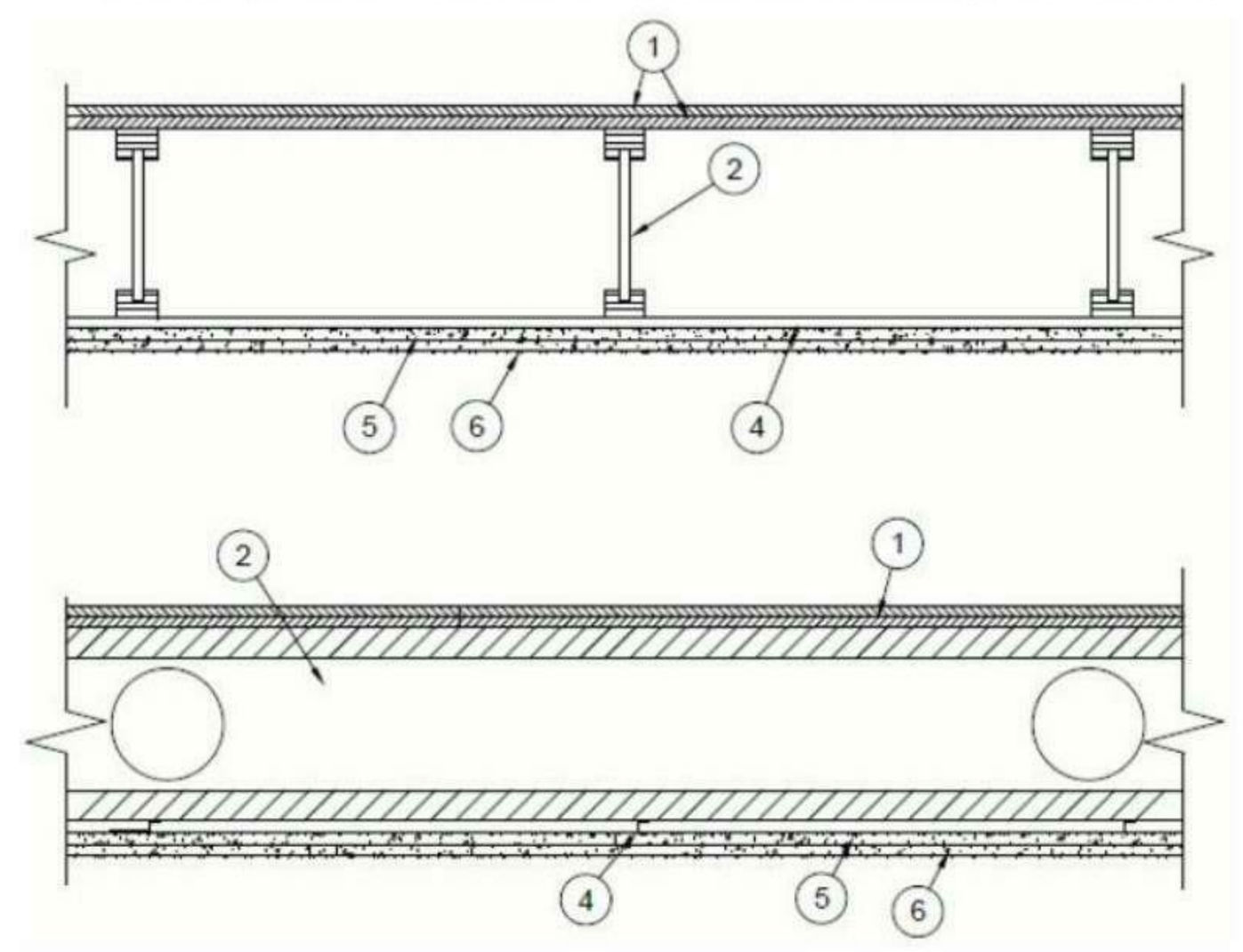
August 19, 2020

Unrestrained Assembly Rating 1 Hr.

Finish Rating - 67 min

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



System No. 1

1. **Flooring System —** The flooring system shall consist of one of the following:

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Floor — Min 1 by 4 in. T & G lumber installed perpendicular to the joists, or min 15/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

System No. 2

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) Nom 0.010 in. thick commercial asphalt saturated felt.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD

USG MEXICO S A DE C V — Types LRK, HSLRK, CSD

Floor Mat Materials* — (Optional) Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) Nom 3/8 in. thick floor mat material loosely laid over the subfloor.

GRASSWORX L L C — Type SC50

System No. 3

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring - Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

ACG MATERIALS — Accu-Crete types NexGen, Green, Prime, B, M, and PrePour, AccuRadiant, AccuLevel types G40, G50 and SD30

Alternate Floor Mat Material* — (Optional) Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in. or 1 in. thick for 19/32 or 15/32 in. thick wood structural panels respecitively.

ACG MATERIALS — AccuQuiet P80, C40, D13, D-18, D25, DX38, EM.125, EM.125S, EM.250, EM.250S, EM.375, EM.375S, EM.750, and EM.750S.

System No. 4

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) Nom 0.030 in thick commercial asphalt saturated felt.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

MAXXON CORP — Type Maxxon Standard and Maxxon High Strength

Floor Mat Materials* — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

MAXXON CORP — Type Encapsulated Sound Mat.

Floor Mat Reinforcement — (Optional) Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material.

Fiber Glass Reinforcement — (Optional) 0.015 in. thick PVC coated non-woven fiberglass mesh, 0.368 lbs./sq. yd loose laid over the floor mat material.

System No. 5

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) Commercial asphalt saturated felt, 0.030 in. thick.

Vapor Barrier — (Optional) Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional) — Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 1/4 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 6

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

DEPENDABLE LLC — GSL M3.4, GSL K2.6, GSL-CSD or GSL RH

Floor Mat Materials* — (Optional) Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N

Alternate Floor Mat Materials* — (Optional) Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/4 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.

KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 7

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

FORMULATED MATERIALS LLC — Types FR-25, FR-30, and SiteMix

Alternate Floor Mat Material* — (Optional) — Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

FORMULATED MATERIALS LLC — Types M1, M2, M3, Elite, Duo, R1, and R2

System No. 8

Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.

Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional, Not Shown) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

LOW & BONAR INC — EnkaSonic® by Colbond a member of the Low & Bonar group Types 125, 250, 250 Plus, 400, 400 Plus, 750 and 750 Plus.

Floor Mat Reinforcement — (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) — Expanded steel diamond mesh, 2.5 lb / sq yd loose laid over floor mat material.

Fiberglass Mesh Reinforcement — (Optional) — Coated non-woven glass fiber mesh grid loose laid over floor mat material.

2. **Structural Wood Members —** Min 9-1/2 in. deep "I" shaped wood joists spaced at a max of 24 in. OC. Joists shall conform to ICC-ES ESR-1153 Report. Joist top and bottom chords minimum 1-1/4 in. deep by 2-1/4 in. wide and constructed of either Microllam laminated veneer lumber (LVL) or TimberStrand laminated strand lumber (LSL). Webs constructed of minimum 3/8 in. thick Performance Plus OSB, PS2, Exposure 1. Installation shall be in accordance with manufacturers published literature.

3. **Insulation - Batts and Blankets* —** (Optional) Glass fiber insulation, secured to the subflooring with staples, or to the wood joists with 0.090 in. diam galv steel wires, or draped over the resilient channel/gypsum panel (or Steel Framing Members/gypsum panel) ceiling membrane. Any thickness of glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

3A. **Insulation - Loose Fill Material* —** (Optional) As an alternate to Item 3. Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, applied within the concealed space, over the resilient or furring channel/gypsum panel or Steel Framing Members/gypsum panel ceiling membrane.

3B. **Insulation - Batts and Blankets* —** (Optional) Min. 1 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance draped over the resilient channel/gypsum panel (or Steel Framing Members/gypsum panel) ceiling membrane.

4. **Resilient Channels —** Formed from 25 MSG galv steel installed perpendicular to the joists. When no insulation is installed in the concealed space the resilient channels are spaced 24 in. OC. When insulation (Item 3) is installed to the underside of the subfloor the resilient channels are spaced 16 in. OC. When insulation (Items 3, 3A or 3B) is applied over the resilient channel/gypsum panel ceiling membrane, the resilient channels are spaced 12 in. OC. Two courses of resilient channel positioned back to back and oriented opposite at gypsum panel butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.

4A. **Steel Framing Members* —** (Optional, Not Shown) — As an alternate to Item 4.

a. **Furring Channels —** Formed of No. 25 MSG galv steel, nominal 2-1/2 in. wide by 7/8 in. deep, spaced as indicated in Item 4, perpendicular to the joists. Channels secured to Cold Rolled Channels at every intersection with a 3/4 in. TEK screw through each furring channel leg. Ends of adjoining channels overlapped 12 in. and fastened together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap, or with two 3/4 in. TEK screws in each leg of the overlap section. Two furring channels positioned 3 in. OC, 1-1/2 in. on each side of gypsum board (Item 5) end joints, each extending a min of 6 in. beyond both side edges of the board.

b. **Cold Rolled Channels —** 1-1/2 in. by 1/2 in., formed from No. 16 ga. galv steel, positioned vertically and parallel to joists, friction-fitted into the channel caddy on the Steel Framing Members (Item 4Ac) and secured with two 3/4 in. TEK screws. Adjoining lengths of cold rolled channels lapped min. 12 in. and secured along bottom legs with four 3/4 in. TEK screws and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. **Steel Framing Members* —** Spaced 48 in. OC. max along joist, and secured to the joist on alternating joists with two, #10 x 1-1/2 in. screws through mounting holes on the hanger bracket.

PAC INTERNATIONAL L L C — Type RSIC-SI-CRC EZ Clip

4B. **Steel Framing Members* —** (Optional, Not Shown) — As an alternate to Item 3.

a. **Furring Channels —** Formed of No. 25 MSG galv steel, nominal 2-1/2 in. wide by 7/8 in. deep, spaced as indicated in Item 4, perpendicular to joists and friction fit into Steel Framing Members (Item 4Bb). Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap or with two TEK screws along each leg of the 6 in. overlap. Two furring channels positioned 6 in. OC, 3 in. on each side of gypsum board (Item 5) end joints. Butt joint channels held in place by strong back channels placed upside down, on top of, and running perpendicular to primary furring channels, extending 6 in. longer than length of gypsum side joint. Strong back channels spaced maximum 48 in. OC. Strong back channels secured to every intersection of primary furring channels with four 7/16 in. pan head screws, two along each of the legs at intersections. Butt joint channels run perpendicular to strong back channels and shall be minimum 6 in. longer than length of joint, secured to strong back channels with 7/16 in. pan head screws, two along each of the legs at intersection with strong back channels.

b. **Steel Framing Members* —** Used to attach furring channels (Item 4Ba) to joists. Clips spaced 48 in. OC and secured along joist webs at each furring channel intersection with min. 3/4 in. long self-drilling #10 x 1-1/2 in. screws through each of the provided hole locations. Furring channels are friction fitted into clips.

PAC INTERNATIONAL L L C — Type RSIC-S1-1 Ultra

4C. **Steel Framing Members* —** (Optional, Not Shown) As an alternate to Item 4, furring channels and Steel Framing Members* as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-9/16 in. wide by 7/8 in. deep, spaced as described in item 4 perpendicular to joists. Channels secured to joists as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to joists (Item 2). Clips spaced 48 in. OC. RSIC-1 clips secured to alternating joists with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.

PAC INTERNATIONAL L L C — Type RSIC-1

4D. **Steel Framing Members* —** (Optional, Not Shown) — Used as an alternate method to attach resilient channels to structural members. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 24 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions. Gypsum Board butt joints staggered minimum 24 in. OC and Gypsum Board field screws spaced 8 in. OC (in lieu of 156 in.) when used.

PAC INTERNATIONAL L L C — Type RC-1 Boost

5. **Gypsum Board* —** Base Layer - 5/8 in. thick by 4 ft wide gypsum panels, installed perpendicular to resilient channels (Item 3). The base layer of panels screw-attached to the resilient channels with 1 in. long Type S screws spaced 8 in. OC at the butt joints and 16 in. OC in the field of the panel. Butt joins of adjacent pieces staggered minimum 60 in.

When **Steel Framing Members** (Item 4A) are used, Base layer of 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 5. Adjacent butt joints staggered minimum 48 in. OC.

When **Steel Framing Members** (Item 4B) are used, Base layer of 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 5. Butt joints staggered minimum 24 in. OC.

When **Steel Framing Members** (Item 4C) are used, gypsum panels installed with long dimensions perpendicular to furring channels. Panels attached to the furring channels using 1 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and in the field of the panel. Butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. Each end of each gypsum panel shall be supported by a single length of furring channel equal to the width of the gypsum panel plus 6 in. on each end. The two support furring channels shall be spaced approximately 3-1/2 in. OC, and be attached with one clip at each end of the channel.

CERTAINTEED GYPSUM INC — Type SilentFX, Type X, Type X-1, Easi-Lite Type X-2, Type C.

6. **Gypsum Board* —** Face Layer - 1/2 in. or 5/8 in. thick by 4 ft wide gypsum panels, installed perpendicular to resilient channels (Item 3). Butt joints of adjacent pieces staggered minimum 60 in. Side joints of face layer offset from side joints of base layer by 24 in. The face layer screw-attached to the resilient channels with 1-5/8 in. Type S screws

spaced 8 in. OC at butt joints and in the field of the panel. Additional 1-1/2 in. Type G screws placed 6 in. from butt joints and spaced 8 in. OC.

When **Steel Framing Members** (Item 4A) are used, Face layer of 1/2 in. or 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 6. Adjacent butt joints staggered minimum 48 in. OC.

When **Steel Framing Members** (Item 4B) are used, Face layer of 1/2 in. or 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 6. Butt joints staggered minimum 24 in. OC.

When **Steel Framing Members** (Item 4C) are used, face layer attached to the furring channels as described in Item 6.

CERTAINTEED GYPSUM INC — Type C

7. **Finishing System (Not Shown) —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2020-08-19

ARCH | NEXUS

Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
http://www.archnexus.com

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STATE OF UTAH
5000975-0301
5·21·21
LICENSED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

UL ASSEMBLIES

G511

6/4/2021 3:40:21 PM

Design No. U301

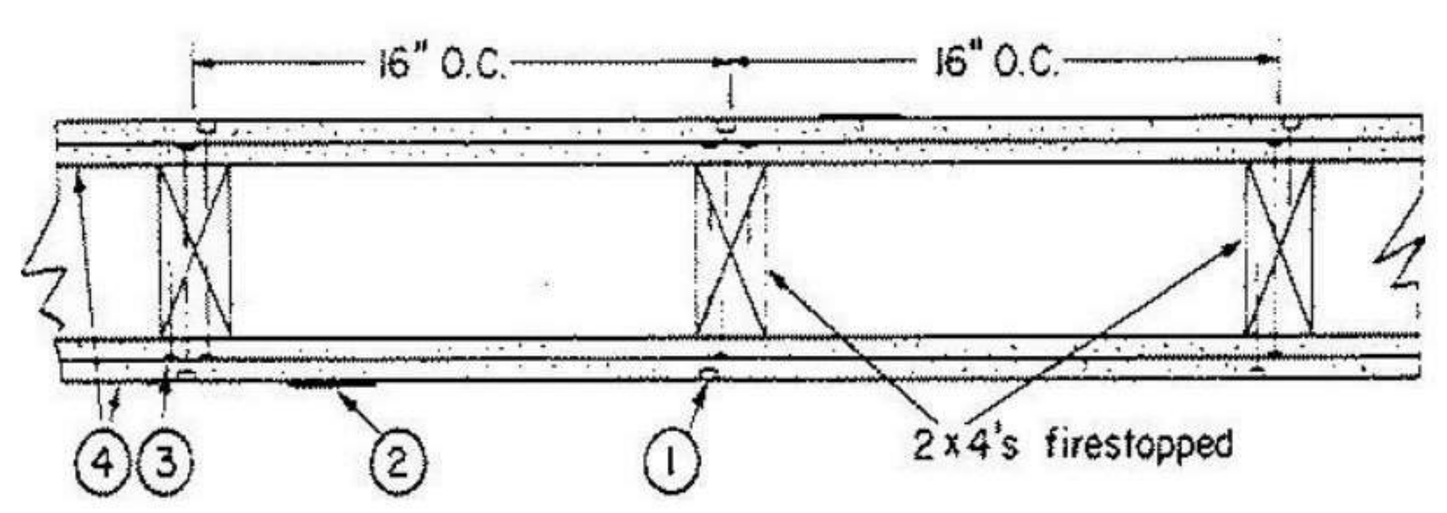
October 02, 2019

Bearing Wall Rating — 2 Hr.

Finish Rating — 66 Min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Nailheads —** Exposed or covered with joint compound.

2. **Joints —** Exposed joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape.

3. **Nails —** 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.

4. **Gypsum Board* —** 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. OC. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
When used in widths other than 48 in., gypsum board to be installed horizontally.

When **Steel Framing Members*** (Item 6, 6A, 6B, or 6C) are used, base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced max 24 in. OC; face layer attached with 1-5/8 in. long Type S bugle-head steel screws spaced max 12 in. OC.

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold& Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, AGX-11, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CERTAINTEED GYPSUM INC — Types 1, FRPC, EGRG, GlasRoc, GlasRoc-2, Type C, Type X, Type X-1

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX, CLLX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6. LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSW-C, FSW-G, FSMR-C, FSL

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2, PG-3, PG-3W, PG-4, PG-5, PG-5W, PG-5WS, PG-9, PG-11, PG-C or PGS-WRS

PANEL REY S A — Types PRC, PRC2, PRX, RHX, MDX, ETX, GREX, GRIX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type C or Type X

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

4A. **Gypsum Board* —** (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in Item 4.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

4B. **Gypsum Board* —** (As an alternate to Items 4 and 4A) — 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 4. Joint covering (Item 2) not required.
CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

4C. **Gypsum Board* —** (As an alternate to Items 4, 4A or 4B — Not Shown) — For Direct Application to Studs Only- For use on one or both sides of the wall as the base layer or one or both sides of the wall as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, F4j.one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RAY-BAR ENGINEERING CORP — Type RB-LBG.

4D. **Gypsum Board* —** As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Outer layers fastened to framing with 1-7/8 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) — 5/8 in. thick, 4 ft. wide, paper surfaced applied vertically and secured as described in Item 4.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board

4F. **Gypsum Board* —** (As an alternate to Item 4) — Not to be used with item 6, 6A, 6B or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and secured as described in Item 4.
NATIONAL GYPSUM CO — Type SBCB

4G. **Gypsum Board * —** (As an alternate to Items 4 through 4F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock ES

4H. **Gypsum Board* —** (As an alternate to Item 4) — Not to be used with item 6, 6A, 6B, or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically or horizontally and secured as described in Item 4.
CERTAINTEED GYPSUM INC — Type SilentFX

4I. **Gypsum Board* —** (As an alternate to item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 8 in. OC. Outer layer attached to studs over inner layer with 2 in. long Type W steel screws spaced 8 in. OC offset 6 in. from base layer. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. As an alternate to the joint compound nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Wallboard other than 48 in. wide must be applied horizontally. The SoundBreak XP Type X Gypsum Board is not to be used with Item 6, 6A, 6B, or 6C.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-C, FSW-G, FSMR-C, SoundBreak XP Type X Gypsum Board

4J. **Gypsum Board* —** (As an alternate to Items 4) — For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

4K. **Gypsum Board* —** For use with Item 7 — 5/8 in. thick, two layers applied vertically. Inner layer attached to resilient channels with 1 in. long steel screws spaced 8 in. OC. Outer layer attached to resilient channels over inner layer with 1-5/8 in. long steel screws spaced 8 in. OC. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. Insulation, Items 8 or 9 is required.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, AGX-11

4L. **Gypsum Board* —** (As an alternate to Items 4) — For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4M. **Gypsum Board* —** (As an alternate to Item 4) — 5/8 in. thick, 4 ft. wide, two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 4.
CERTAINTEED GYPSUM INC — 5/8" Easi-Lite Type X

4N. **Gypsum Board* —** (As an alternate to 5/8 in. Type FSW in Items 4 or 4I) — Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in. for every single layer of 5/8 in. gypsum board described in Item 4 or 4I. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 4 or 4I, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 4 or 4I.
NATIONAL GYPSUM CO — Type FSW

4O. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 4 through 4N) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4P. **Gypsum Board* —** (As an alternate to Item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. Outer layer attached to studs over inner layer with 1-7/8 in. long Type W steel screws spaced 10 in. OC offset 5 in. from base layer with the last two screws 4 and 1 in. from the edges of the board. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A, Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

4Q. **Gypsum Board* —** (As an alternate to Item 4. For use with Item 13) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board UL Classified for Fire Resistance (CKNX) eligible for use in Design Nos. U305 and L501 or

G512. Two layers, applied either horizontally or vertically, and screwed to studs with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. For the face layer, screw length to be increased to 2-1/2 in. All joints in face layers staggered with joints in base layers. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

4R. **Gypsum Board* —** As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Outer layers fastened to framing with 1-7/8 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
CERTAINTEED GYPSUM INC — Types 1, FRPC, EGRG, GlasRoc, GlasRoc-2, Type C, Type X, Type X-1, Easi-Lite Type X, SilentFX

5. **Molded Plastic* —** Not Shown, Optional — Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details.
ALSIDE, DIV OF ASSOCIATED MATERIALS INC

GENTEK BUILDING PRODUCTS LTD

VYTEC CORP

6. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 4.

B. **Steel Framing Members* —** Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

6A. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

B. **Steel Framing Members* —** Used to attach furring channels (Item 6Aa) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6B. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Bb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

REGUPOL AMERICA — Type SonusClip

6C. **Steel Framing Members* —** (Optional, Not Shown) —Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7. **Furring Channel —** Optional — Not Shown — For use on one side of the wall with Item 4K — Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Item 8 or 9 is required.

8. **Batts and Blankets* —** Required for use with resilient channels, Item 7, min. 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the nom 4 in. face of the studs with staples placed 24 in. OC.
ROCKWOOL — Type SAFEnSOUND

THERMAFIBER INC — Type SAFB, SAFB FF

9. **Batts and Blankets* —** (As an alternate to Item 8) — Min. 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the stud cavities. See

Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

9A. **Fiber, Sprayed* —** (Optional) — As an alternate to Batts and Blankets (Item 8), Required for use with resilient channels, Item 7, Not for use with Item 6, 6A, 6B, or 6C. — Spray applied mineral wool insulation. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

10. **Wall and Partition Facings and Accessories* —** (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 or QR-510

11. **Cementitious Backer Units* —** (Optional Item Not Shown — For Use On Face Of 2 Hr Systems With All Standard Items Required) — 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied horizontally or vertically with vertical joints centered over studs. Face layer fastened over gypsum board to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC.
NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

12. **Wall and Partition Facings and Accessories* —** (Optional, Not Shown) - When the Wall Assembly is used as an External Wall, on the External side of the wall one of the following Wall and Partition and Facing Accessories may be used, refer to items (A) to (C) below.

A. **Non Insulated system with metal channels —** Install moisture barrier over the Gypsum Board Item 4 and Install Acry Metal Channels vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. Acry Metal Channels attached through the moisture barrier and the Gypsum Board to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Install Acrytec Panels on Acry Metal Channels using 1-1/4" long corrosion coated stainless steel screws spaced at a max spacing of 24 inches OC, along with manufacturer's approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels shall be Tremco illmod 600 pre compressed polyurethane foam sealant.

B. **Insulated system with metal channels —** Install moisture barrier over the Gypsum Board Item 4. Install galvanized Z girt channels specified by the manufacturer over the moisture barrier and the Gypsum Board Item 4. Z girt channels to be installed horizontally at a max. spacing of 24" OC. Z girt channels attached through the Gypsum Board and the moisture barrier to the wood studs with screws provided by the manufacturer at a max spacing of 24 inches OC. Install mineral wool insulation between the Z girts. Maximum thickness of mineral wool insulation not to exceed 6 in. As per manufacturer's instructions install Acry Metal Channels vertically over the Z girts at a max horizontal spacing of 24 in. OC. Acrytec Panels installed on Acry channel with 1-1/4" long corrosion coated stainless steel screws at a max spacing of 24 in. OC, along with manufacturers approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.

C. **Non insulated wood strapping system —** Install moisture barrier over the Gypsum Board Item 4 and Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. 1" x 3" wood strapping attached through the moisture barrier and the Gypsum Board to the Wood studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Acrytec Panels to be installed on the 1" x 3" wood strapping using manufacturers approved stainless steel fasteners spaced at maximum 24 inches OC along with Tremco Vulcum 116 adhesive applied in a

zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.

D. **Insulated Wood Strapping System —** Install moisture barrier over the Gypsum Board Item 4. Install Extruded Polystyrene Insulation over moisture barrier and the Gypsum Board Item 4, max thickness of insulation not to exceed 4 inches. Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC. Wood strapping attached through the Insulation, the Gypsum Board and moisture barrier to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max. 24 in. OC. Acrytec Panels to be installed over the wood strapping using manufacturers approved stainless steel fasteners at a max spacing of 24 in. OC and Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.

ACRYTEC PANEL INDUSTRIES — Nominal 5/8 inch thick Acrytec Panel.

13. **Foamed Plastic* —** (Optional, Not Shown - For use with Item 4Q) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam. For use in Bearing and Non-Load Bearing Walls.

14. **Foamed Plastic* —** (Optional, Not Shown - For use over Gypsum Board, Item 4) - Polyisocyanurate foamed plastic boards, any thickness applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions.
HUNTER PANELS — "Xci Class A", "Xci 286", "Xci Foil (Class A)", "Xci CG", "Xci Foil", "Xci CG NH", "Xci Foil NH"

15. **Building Units* —** (Optional, Not Shown - For use over Gypsum Board, Item 4) Polyisocyanurate composite foamed plastic boards, any thickness, applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by

the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions.
HUNTER PANELS — "Xci NB", "Xci Ply"

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2019-10-02

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Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
http://www.archnexus.com

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LICENSED ARCHITECT
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5·21·21

VILLA NUEVA LLC.
MICRO VILLAS
915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

UL ASSEMBLIES

G512

6/4/2021 3:39:53 PM

FIRE-RESISTANCE DESIGN

Assembly Usage Disclaimer

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

Design No. U305

September 17, 2019

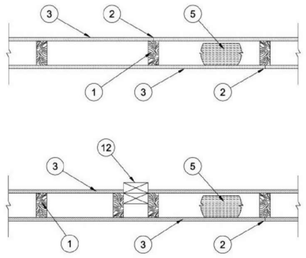
Bearing Wall Rating — 1 Hr

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.

STC Rating - 56 (See Item 9)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Wood Studs —** Nom 2 by 4 in, spaced 16 in. OC max, effectively firestopped.

2. **Joints and Nail-Heads —** Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. **Gypsum Board* —** 5/8 in, thick paper or vinyl surfaced, with bevelled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in, OC with 6d cement coated nails 1-7/8 in, long, 0.0915 in. shank diam and 15/64 in, diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 6 through 6F. **Steel Framing Members*.**

When Items 6, 6B, 6C, 6D, 6E, or 6F, **Steel Framing Members***, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

When Item 6A, **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs.

CABOT MANUFACTURING ULC — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AGX-1(finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22 min), Type LightRoc (finish rating 23 min.) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

CERTAINTEED GYPSUM INC — Type 1, Type SF3 (finish rating 20 min) or FRPC; Type C, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish rating 26 min).

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULIX (finish rating 24 min)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PGS-WRS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 PG-13 (Nails increased to 2 in.), or Type PG-C

PANEL REY S A — Type GREX, GRBX, PRX, PRC, PRC2; Types RHX, Guard Rey, MDX, ETX (finish rating 22 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL — Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULIX (finish rating 20 min)

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type ULX (finish rating 22 min)

3A. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with bevelled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in, long Type W coarse thread gypsum panel steel screws spaced a max 8 in, OC, with last screw 1 in, from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1 (finish rating 26 min)

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

NATIONAL GYPSUM CO — Type FSW (finish rating 24 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type FRX-G (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX, Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

3B. **Gypsum Board* —** (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in, long cement coated nails as described in Item 3 or 1-3/8 in, long Type W coarse thread gypsum panel steel screws as described in Item 3A.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

3C. **Gypsum Board* —** (As an alternate to Items 3, 3A and 3B) — 5/8 in, thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in, long cement coated nails as described in Item 3 or 1-1/4 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. Joint covering (Item 2) not required.
CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

3D. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, or 3C — Not Shown) — For Direct Application to Studs Only- Nom 5/8 in, thick lead backed gypsum panels with bevelled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in, wide, max 10 ft long with a max thickness of 0,125 in, placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0,125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RAY-BAR ENGINEERING CORP — Type RB-LBG (finish rating 24 min)

3E. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, and 3D) — 5/8 in, thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in, long Type W coarse thread gypsum panel steel screws spaced a max 8 in, OC, with last 2 screws 1 and 4 in, from edge of board or held 7 in, OC with 6d cement coated nails 1-7/8 in, long, 0.0915 in, shank diam and 15/64 in, diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG (finish rating 20 min), GreenGlass Type X (finish rating 23 min)

3F. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) — 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in, long, 0.0915 in, shank diam and 15/64 in, diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter.
CGC INC — Type USGX (finish rating 22 min)

UNITED STATES GYPSUM CO — Type USGX (finish rating 22 min.)

USG BORAL DRYWALL SFZ LLC — , Type USGX (finish rating 22 min.)

USG MEXICO S A DE C V — Type USGX (finish rating 22 min.)

3G. **Gypsum Board* —** (As an alternate to Items 3 through 3F) — 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in, OC with 6d cement coated nails 1-7/8 in, long, 0.0915 in, shank diam and 15/64 in, diam heads.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

3H. **Gypsum Board* —** (As an alternate to Items 3) — Not to be used with items 6 or 7, 5/8 in, thick paper surfaced applied vertically only. Gypsum panels nailed 7 in, OC with 6d cement coated nails 1-7/8 in, long, 0.0915 in, shank diam and 15/64 in, diam heads.
NATIONAL GYPSUM CO — Type SBCB

3J. **Gypsum Board* —** (As an alternate to Item 3) — Not to be used with items 6 or 7, 5/8 in, thick paper surfaced applied vertically or horizontally. Gypsum panels secured per item 3 or 3A.
CERTAINTEED GYPSUM INC — Type SilentFX

3K. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in, thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in, long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in, OC with the last screw 1 in, from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min).

3L. **Gypsum Board* —** (As an alternate to Item 3) — For Direct Application to Studs Only — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in, wide, max 10 ft long with a max thickness of 0,140 in, placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0,140 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.140 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

3M. **Gypsum Board* —** (As an alternate to Items 3) — For Direct Application to Studs Only — For use as the base layer or as the face layer. Nom 5/8 in, thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer, screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in, wide, max 8 ft long with a max thickness of 0,14 in, placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0,085 in. thick, Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C", Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in, Type S-12 bugle head steel screws spaced as described in Item 4.
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

3N. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in, thick, 4 ft. wide, applied horizontally or vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A.

CERTAINTEED GYPSUM INC — Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2 (finish rating 24 min)

3O. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 3, Not Shown) — Nominal 5/8 in, thick, 4 ft wide panels, applied vertically. Panels nailed 7 in, OC with 6d cement coated nails 1-7/8 in, long, 0.0915 in, shank diam and 15/64 in, diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527 (finish rating 24 min).

3P. **Gypsum Board* —** (As an alternate to Item 3, Not Shown) — Two layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by wood studs. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in, long drywall nails spaced 8 in, OC. Face layer gypsum panels fastened to studs with 1-7/8 in, long drywall nails spaced 8 in. OC starting with a 4" stagger.
NATIONAL GYPSUM CO — Type FSW (finish rating 25 min)

3Q. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in, thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in, OC with the last two screws 4 and 1 in, from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3R. **Gypsum Board* —** (As an alternate to Item 3. For use with Item SH) — Any 5/8 in, thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in, long Type W coarse thread steel screws at 8 in, OC at perimeter and in the field with the last two screws 4 and 3/4 in, from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

3S. **Gypsum Board* —** 3/4 in, thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

3T. **Wall and Partition Facings and Accessories* —** (As an alternate to 5/8 in, thick board as outlined in Item 3) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in, long drywall screws spaced 8 in, OC along the perimeter and 12 in, OC in the field.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

4. **Steel Corner Fasteners —** (Optional) — For use at wall corners. Channel shaped, 2 in, long by 1 in. high on the back side with two 1/8 in, wide cleats protruding into the 5/8 in, wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in, from corner of gypsum board, max spacing 16 in, OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. **Batts and Blankets* —** (Optional — Required when Item 6A is used (RC-1)) — Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be friction-fitted to completely fill the stud cavities.
CERTAINTEED CORP

JOHNS MANVILLE

KNAUF INSULATION LLC

MANSON INSULATION INC

ROCK WOOL MANUFACTURING CO — Delta Board

ROCKWOOL — Acoustical Fire Batts

THERMAFIBER INC — Type SAFB, SAFB FF

5A. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product. When Item 6B is used, Fiber, Sprayed shall be INS735, INS745, INS750LD, INS765LD or INS773LD.
U S GREENFIBER L L C — INS735, INS745 and INS750LD for use with wet or dry application, INS515LD, INS541LD, INS735, INS765LD, and INS773LD are to be used for dry application only

5B. **Fiber, Sprayed* —** (Not Shown - Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Batts and Blankets* —** Required for use with resilient channels, Item 7, 3 in, thick mineral wool batts, friction-fitted to fill interior of wall.
THERMAFIBER INC — Type SAFB, SAFB FF

5D. **Glass Fiber Insulation —** (As an alternate to Item 5C) — 3 in, thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5E. **Batts and Blankets* —** (Required for use with Wall and Partition Facings and Accessories, Item 3D) — Glass fiber insulation, nom 3-1/2 in, thick, min, density of 0,80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers.

5F. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D) — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5G. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D), — As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

5H. **Foamed Plastic* —** (Optional -For use with Item 3R) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
SES FOAM INC — Nexseal™ 2,0 or Nexseal™ 2,0 LE Spray Foam and Sucraseal Spray Foam.

5I. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5,79 lbs/ft^3.
APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

6. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in, and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6A. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members on one side of studs as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in, coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6B. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in, wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in, and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6C. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in, coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6D. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

6E. **Steel Framing Members* —** (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC - Type RC+ Assurance Clip

6F. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in, and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

7. **Furring Channel —** Optional — Not Shown — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in, long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 5C or 5D is required.

8. **Caulking and Sealants —** (Not Shown, Optional) — A bead of acoustical sealant applied around the partition perimeter for sound control.

9. **STC Rating —** The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:

A. Item 2, above — Nailheads Shall be covered with joint compound.

B. Item 2, above — Joints As described, shall be covered with fiber tape and joint compound.

C. Item 5, above — Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in, thick and 15-1/4 in, wide.

D. Item 6, above — Steel Framing Members* Type RSIC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.

E. Item 8, above — Caulking and Sealants (Not Shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.

F. Steel Corner Fasteners (Item 4). Fiber, Sprayed (Items 5A and 5B) and Steel Framing Members (Item 6A), not evaluated as alternatives for obtaining STC rating.

10. **Wall and Partition Facings and Accessories* —** (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

11. **Cementitious Backer Units* —** (Optional Item Not Shown — For Use On Face Of 1 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in, or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

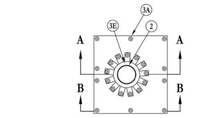
NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

12. **Non-Bearing Wall Partition Intersection —** (Optional) —Two nominal 2 by 4 in. studs or nominal 2 by 6 in, studs nailed together with two 3 in, long 10d nails spaced a max, 16 in, OC, vertically and fastened to one side of the minimum 2 by 4 in, stud with 3 in, long 10d nails spaced a max, 16 in, OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in, studs. The wall partition wood studs are to be framed by with a second 2 by 4 in, wood stud fastened with 3 in, long 10d nails spaced a max, 16 in, OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

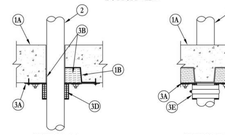
13. **Mesh Netting —** (Not Shown) — Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

14. **Mineral and Fiber Board* —** (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide

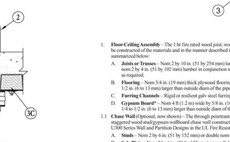
System No. F-A-2027
May 18, 2005
T Rating - 2 Hr
T Rating - 3/4 Hr



BOTTOM VIEW



SECTION A-A

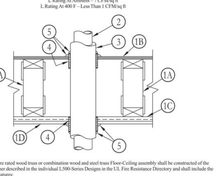


SECTION B-B

1. **Floor Assembly** – The 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 I-500 Series Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **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 combination with galv steel truss plates or **Structural Wood Members*** with bridging as required.
   B. **Flooring** - Nom 3/4 in. (19 mm) thick plywood flooring with or without **Floor Topping Mixture***. Max diam of hole-sawed opening in flooring is 7 in. (178 mm).
   C. **Furring Channels** – Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. **Gypsum Board*** – Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick, screw-attached to furring channels. Max diam of hole-sawed opening in gypsum wallboard ceiling is 7 in. (178 mm).
2. **Pipe** – Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe or nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tubing. Pipe to be installed concentrically or eccentrically within the through opening with min 1/4 in. (6 mm) annular space. Annular opening (from 3B) and gypsum wallboard ceiling (from 1D), Diam of circular cutouts in flooring and gypsum wallboard ceiling to be 1/2 in. to 3/4 in. (13 mm to 19 mm) larger than outside diam of pipe. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.
3. **Pipe Covering*** – Nom 1 in. (25 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all-service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap type. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product.
   See **Pipe and Equipment Covering - Materials*** (BHUU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   3A. **Tube Insulation – Plastics*** – As an alternate to the glass fiber pipe covering (Item 3), nom 1/2 in. or 5/8 in. (13 mm by 16 mm) thick acrylonitrile butadiene/polyvinyl chloride (ABJPVC) flexible foam furnished in the form of tubing with slits may be used.
   See **Plastics** (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. **Fill, Void or Cavity Materials* – Wrap Strip** - Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. wide strip tightly wrapped around pipe covering or tube insulation (foil side exposed), secured with two steel tie wires and slid into hole-sawed opening in flooring (Item 1B) and in gypsum wallboard ceiling (Item 1D). Bottom edge of wrap strip to project 9/16 in. to 13/16 in. (14 mm to 17.5 mm) below bottom surface of flooring and below bottom (ceiling) surface of gypsum wallboard.
   3M COMPANY – FS-195, FS-195+
5. **Fill, Void or Cavity Materials* – Caulk or Sealant** – Nom 1/4 in. (6 mm) thickness of caulk to be applied to the exposed edge of the wrap strip layer (top of flooring and bottom of gypsum wallboard ceiling). Generous application of caulk to be applied to fill all gaps at the wrap strip/flooring and wrap strip/gypsum wallboard ceiling interfaces.
   3M COMPANY – CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking

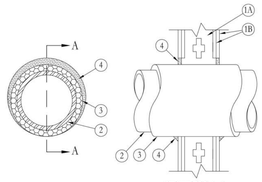
System No. F-C-5002
May 19, 2005
F Rating – 1 Hr
T Rating – 1 Hr
L Rating At Ambient – 7 CFM/sq ft
L Rating At 400 F – Less Than 1 CFM/sq ft



1. **Floor Assembly** – The 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 I-500 Series Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **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 combination with galv steel truss plates or **Structural Wood Members*** with bridging as required.
   B. **Flooring** - Nom 3/4 in. (19 mm) thick plywood flooring with or without **Floor Topping Mixture***. Max diam of hole-sawed opening in flooring is 7 in. (178 mm).
   C. **Furring Channels** – Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. **Gypsum Board*** – Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick, screw-attached to furring channels. Max diam of hole-sawed opening in gypsum wallboard ceiling is 7 in. (178 mm).
2. **Pipe** – Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe or nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tubing. Pipe to be installed concentrically within the through opening with min 1/4 in. (6 mm) annular space. Annular opening (from 3B) and gypsum wallboard ceiling (from 1D), Diam of circular cutouts in flooring and gypsum wallboard ceiling to be 1/2 in. to 3/4 in. (13 mm to 19 mm) larger than outside diam of pipe. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.
3. **Pipe Covering*** – Nom 1 in. (25 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all-service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap type. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product.
   See **Pipe and Equipment Covering - Materials*** (BHUU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   3A. **Tube Insulation – Plastics*** – As an alternate to the glass fiber pipe covering (Item 3), nom 1/2 in. or 5/8 in. (13 mm by 16 mm) thick acrylonitrile butadiene/polyvinyl chloride (ABJPVC) flexible foam furnished in the form of tubing with slits may be used.
   See **Plastics** (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. **Fill, Void or Cavity Materials* – Wrap Strip** - Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. wide strip tightly wrapped around pipe covering or tube insulation (foil side exposed), secured with two steel tie wires and slid into hole-sawed opening in flooring (Item 1B) and in gypsum wallboard ceiling (Item 1D). Bottom edge of wrap strip to project 9/16 in. to 13/16 in. (14 mm to 17.5 mm) below bottom surface of flooring and below bottom (ceiling) surface of gypsum wallboard.
   3M COMPANY – FS-195, FS-195+
5. **Fill, Void or Cavity Materials* – Caulk or Sealant** – Nom 1/4 in. (6 mm) thickness of caulk to be applied to the exposed edge of the wrap strip layer (top of flooring and bottom of gypsum wallboard ceiling). Generous application of caulk to be applied to fill all gaps at the wrap strip/flooring and wrap strip/gypsum wallboard ceiling interfaces.
   3M COMPANY – CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking

System No. W-L-5040
September 07, 2004
F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 1/4, 1/2 and 3/4 Hr (See Item 2)



SECTION A-A

1. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
   B. **Gypsum Board*** – Nom 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening in wallboard layers is 7 in.

   The hourly F Rating of the firestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.
2. **Through Penetrants** – One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
   A. **Steel Pipe** – Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. **When steel pipe is used, T Rating is 3/4 hr.**
   B. **Copper Tubing** – Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing. **T Rating is 3/4 hr for copper tubing of nom 2 in. diam and smaller. For copper tubing greater than nom 2 in. diam, T Rating is 1/4 and 1/2 hr when installed in 1 and 2 hr rated walls, respectively.**
   C. **Copper Pipe** – Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe. **T Rating is 3/4 hr for copper pipe of nom 2 in. diam and smaller. For copper pipe greater than nom 2 in. diam, T Rating is 1/4 and 1/2 hr when installed in 1 and 2 hr rated wall respectively.**
3. **Pipe Insulation – Plastics*** – Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (ABJPVC) flexible foam furnished in the form of tubing. The annular space between the insulated pipe and the edge of the through opening shall be min zero in. (point contact) to max 1-1/4 in.

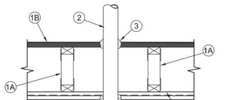
   See **Plastics*** (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL94 Flammability Classification of 94-5VA may be used.
4. **Fill, Void or Cavity Materials* – Caulk or Sealant** – Min 5/8 in. thickness of caulk applied within the annular space, flush with each surface of wall. A min 1/2 in. diam bead of caulk shall be applied to the pipe insulation/ 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 Marking

6/4/2021 3:41:15 PM

System No. F-C-1006
April 03, 2007
F Rating – 3 Hr
T Ratings – 0 and 1Hr (See Item 2)
L Rating At Ambient – Less Than 1 CFM/sq ft
L Rating At 400 F – Less Than 1 CFM/sq ft



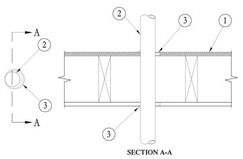
1. **Floor-Ceiling Assembly** – The 1 hr fire-rated wood joist, wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual I-500 Series Design in the UL Fire Resistance Directory, as summarized below:
   A. **Joists** – Nom 2 by 10 in. (51 by 254 mm) lumber joists, nom 12 in. (305 mm) deep parallel chord trusses fabricated from nom 2 by 4 in. (51 by 102 mm) lumber in conjunction with galv steel truss plates or **Structural Wood Members*** with bridging as required.
   B. **Flooring** – Nom 3/4 in. (19 mm) thick plywood flooring with or without **Floor Topping Mixture***. Diam of circular cutouts is 1/4 to 1/2 in. (6 to 13 mm) larger than outside diam of the pipe.
   C. **Furring Channels** – Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. **Gypsum Board*** – Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick, screw-attached to furring channels. Diam of circular cutouts is 1/4 to 1/2 in. (6 to 13 mm) larger than outside diam of the pipe.
1.1 **Chase Wall** (Optional, non-shown) – The through penetrants (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 L500 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
   B. **Sole Plate** – Nom 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly bolted. Diam of circular cutouts is 1/4 to 1/2 in. (6 to 13 mm) larger than outside diam of the pipe.
   C. **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 bolted. Diam of circular cutouts is 1/4 to 1/2 in. (6 to 13 mm) larger than outside diam of the pipe.
   D. **Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
2. **Through Penetrant** – Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe or nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. Pipe to be installed concentrically within the through opening with min 1/4 in. (6 mm) annular space. Annular space between pipe and perimeter of opening shall be min 1/8 in. (3 mm) to max 1/4 in. (6 mm). Pipe to be rigidly supported on both sides of wall assembly.

   T Rating is 1 hr for nom 4 in. (102 mm) diam (or smaller) penetrants. T Rating is 0 hr for all penetrants greater than nom 4 in. (102 mm) diam.
3. **Fill, Void or Cavity Materials* – Caulk or Sealant** – Min 3/4 in. (19 mm) thickness of fill material 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. An additional min 1/4 in. (6 mm) annulus 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+ or FB-3000 WT

*Bearing the UL Classification Marking

System No. F-C-7017
May 19, 2005
F Rating – 1 Hr
T Rating – 1 Hr



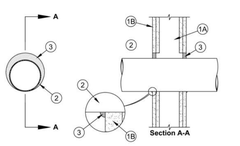
SECTION A-A

1. **Floor-Ceiling Assembly** – The 1 hr fire-rated solid or trussed 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:
   A. **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 5 in. (127 mm).
   B. **Wood Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber joists, tapered to the hourly fire rating of the wall assembly in which it is installed.
   C. **Furring Channels** – Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. **Gypsum Board*** – Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick, screw-attached to furring channels. Max diam of opening in gypsum wallboard ceiling is 5 in. (127 mm).
1.1 **Chase Wall** (Optional, non-shown) – The through penetrants (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 L500 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
   B. **Sole Plate** – Nom 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly bolted. Diam of circular cutouts is 1/4 to 1/2 in. (6 to 13 mm) larger than outside diam of the pipe.
   C. **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 bolted. Max of opening is 6 in. by 5-1/2 in. (152 mm by 140 mm).
   D. **Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
2. **Steel Duct** – Nom 4 in. (102 mm) diam (or Smaller) No. 30 gauge (or heavier) galv steel duct to be installed eccentrically or concentrically within the firestop system. The annular space between the duct and the periphery of opening shall be min 0 in. (0 mm) (point contact) to max 2 in. (51 mm) Duct to be rigidly supported on both sides of the Floor-Ceiling assembly.
3. **Fill, Void or Cavity Materials* – Caulk or Sealant** – Min 5/8 in. thickness of caulk applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of caulk, 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 duct/floor or sole plate interface at point contact location on the top side of assembly and at the duct/ceiling or top plate interface at point contact location on bottom side of assembly.

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

*Bearing the UL Classification Mark

System No. W-L-7019
F Ratings – 1 & 2 Hr (See Item 1)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFMsq ft
L Rating At 400 F - Less Than 1 CFMsq ft



Section A-A

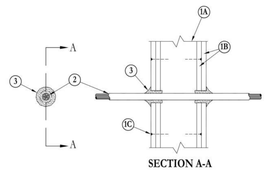
1. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **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) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board*** - The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 11 in (279 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.
2. **Through Penetrant** - One nom 10 in. (254 mm) diam (or smaller) No. 28 MSG (or heavier) steel vent pipe to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Pipe to be rigidly supported on both sides of wall assembly.
3. **Fill, Void or Cavity Material* - Sealant** - Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum board, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.

   SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant or Type WF300 Firestop Caulk (wood stud walls only).

*Bearing the UL Classification Mark

System No. W-L-3001
September 07, 2004
(Formerly System No. 149)
F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 3/4, 1, 1-1/2 and 2 Hr (See Item 2)
L Rating At Ambient – 15 CFM/sq ft (See Item 3)
L Rating At 400 F – less than 1 CFM/sq ft (See Item 3)



SECTION A-A

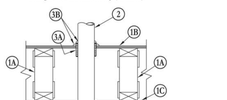
1. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
   B. **Gypsum Board*** - Nom 1/2 or 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers and sheet orientation shall be as specified in the individual Wall or Partition Design. Diam of circular through opening to be 3/8 in. to 5/8 in. larger than outside diam of cable or cable bundle.
   C. **Fasteners** – When wood-stud framing is employed gypsum wallboard layers attached to studs with cement coated nails as specified in the individual Wall or Partition Design. When steel channel stud framing is employed, gypsum wallboard attached to studs with Type S self-drilling, self-tapping bugle-head steel screws as specified in the individual Wall or Partition Design.

   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Cables** - Individual cable or max 1 in. diam cable bundle installed in through opening with an annular space of min 0 in. (point contact) to max 3/4 in. Cable to be rigidly supported on both sides of wall assembly. The following types and sizes of cables may be used.
   A. Max 150 pair No. 24 AWG copper conductor telephone cable with polyvinyl chloride (PVC) insulation and jacket materials. **When max 25 pair telephone cable is used, T Rating is 2 hr. When 50 to 150 pair telephone cable is used in 1 hr fire rated wall, T Rating is 3/4 hr. When 50 to 150 pair telephone cable is used in 2 hr fire rated wall, T Rating is 1 hr.**
   B. Max No. 10 AWG multiple copper conductor Type NM ("Romex") nonmetallic sheathed cable with PVC insulation and jacket materials. **When Type NM cable is used, max T Rating is 1-1/2 hr.**
   C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 5/8 in. **When fiber optic cable is used, max T Rating is 2 hr.**
   D. Max 12 AWG multi conductor (max seven conductors) power/control cable with cross-linked polyethylene (XLPE) insulation and XLPE or PVC jacket materials. **When multi conductor power/control cable is used, max T Rating is 2 hr.**
   E. Max four conductor with ground No. 2 AWG (or smaller) aluminum SER cables with polyvinyl chloride insulation and jacket materials.
3. **Fill, Void or Cavity Materials* - Caulk, Sealant or Putty** – Caulk or putty fill material installed to completely fill annular space between cable and gypsum wallboard on both sides of wall and with a min 1/4 in. diam bead of caulk or putty applied to perimeter of cable(s) at its egress from each side of the wall.

   3M COMPANY – MP+ Stix putty, CP 25WB+ caulk, FB-3000 WT sealant or Cable Wrap putty
   (Note: L Ratings apply only when CP 25WB+ caulk or FB-3000 WT is used.)

*Bearing the UL Classification Mark

System No. F-C-2008
May 20, 2005
F Rating – 1 Hr
T Rating – 1 Hr
L Rating At Ambient – 7 CFM/sq ft (See Item 3B)
L Rating At 400 F – Less Than 1 CFM/sq ft (See Item 3B)



1. **Floor Assembly** - The 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 Floor-Ceiling Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Joists** – Nom 10 in. (254 mm) deep parallel chord trusses fabricated from 2 by 4 in. (51 mm by 102 mm) lumber in conjunction with galv steel truss plates or **Structural Wood Members*** with bridging as required.
   B. **Flooring** - Nom 3/4 in. (19 mm) thick plywood flooring with or without **Floor Topping Mixture***. Diam of hole-sawed opening in flooring to be 1/2 in. to 3/4 in. (13 mm to 19 mm) larger than diam of pipe. Max diam of opening in flooring is 16 in. (406 mm).
   C. **Furring Channels** – Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. **Gypsum Board*** – Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick, screw-attached to furring channels. Diam of hole-sawed opening in gypsum wallboard ceiling to be 1/2 in. to 3/4 in. (13 mm to 19 mm) larger than diam of pipe. Max diam of opening in ceiling is 3 in. (76 mm).
2. **Nonmetallic Pipe** – Nom 2 in. (51 mm) diam (or smaller) Schedule 40 polyvinyl chloride (PVC), SDR13.5 chlorinated polyvinyl chloride (CPVC) or solid-core Schedule 40 acrylonitrile-butadiene-styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. Pipe to be installed concentrically within the through opening with min 0 in. (0 mm) to max 3/8 in. (10 mm) annular space. Annular space between pipe and gypsum wallboard ceiling (from 1D) to be 3/8 in. to 10 mm) annular space to be required at the floor surface. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.

2A. **Electrical Nonmetallic Tubing** – Nom 1 in. (25 mm) diam (or smaller) corrugated wall ENT constructed of polyvinyl chloride. ENT to be installed as a complete system with all terminations to junction boxes, cabinets or other approved enclosures as specified in the National Electrical Code. Max size ENT per through opening. ENT to be centered in opening and rigidly supported on both sides of the Floor-Ceiling assembly.

See **Electrical Nonmetallic Tubing** (FKRH) category in Electrical Construction Materials Directory for names of manufacturers.

3. **Firestop System** – The details of the firestop system shall be as follows:
   A. **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. Nom 2 in. (51 mm) wide strip tightly-wrapped around nonmetallic pipe (foil side exposed), secured with two steel tie wires and slid into hole-sawed opening in flooring (Item 1B) and in gypsum wallboard ceiling (Item 1D). Bottom edge of wrap strip to project approx 1/2 in. (13 mm) below bottom surface of gypsum wallboard patch.

   3M COMPANY - FS-195+
   B. **Fill,Void or Cavity Materials* – Caulk or Sealant** – Nom 1/4 in. (6 mm) bead of caulk to be applied to perimeter of wrap strip at its egress from the underside of the gypsum wallboard patch. Nom 1/4 in. (6 mm) thickness of caulk to be applied to the exposed edge of the wrap strip layer and to fill all gaps between the wrap strip layer and the tee of the drain fitting on the top surface of the gypsum wallboard.

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

*Bearing the UL Classification Marking

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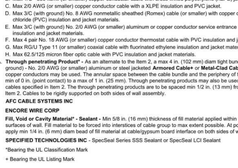
Note: Systems with Nonmetallic Through Penetrant(s) have not been evaluated with a pressure differential of 50 Pa between the exposed and unexposed surfaces as required by the National Building Code of Canada.

System No. W-L-2093
F Ratings – 1 & 2 Hr. (See Item 1)
T Ratings – 1 and 1-1/2 Hr (See Item 2)



Section A-A

1. **Wall Assembly -** The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs -** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
   B. **Gypsum Board* -** 5/8 in. thick, 4 ft wide with square or tapered edges. 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 5 in.

   The hourly F and T Ratings of the firestop system are dependent on the hourly fire rating of the wall assembly in which it is installed as shown in the table below:

Rating of Wall Hr	F Rating Hr	T Rating Hr
1	1	1-1/2
2	1	1

2. **Through Penetrants -** One nonmetallic pipe or conduit to be either concentrically or eccentrically within the firestop system. The annular space between pipe or conduit and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipe or conduit may be used:

   See Optical Fiber Raceway (QAZN) category in the Electrical Construction Materials Directory for names of manufacturers.

   E. Electrical Nonmetallic Tubing - Nom 2 in. diam (or smaller) PVC tubing installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70). See **Electrical Nonmetallic Tubing** (FKHU) category in the Electrical Construction Materials Directory for names of manufacturers.

   The hourly T Rating of the firestop system is dependent upon the hourly fire rating of the wall and the diam of the through-penetrant as shown below:

Wall Hr	Max Diam of Throught Pentrant In.	T Rating Hr
1	2	1
1	1-1/4	1
2	2	1
2	1 1/4	1 1/2

3. **Fill, Void or Cavity Material* - Sealant -** Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall. Additional fill material to be installed such that a min 1/4 in. thick crown is formed around the penetrating item and lapping 1 in. beyond the periphery of the opening.

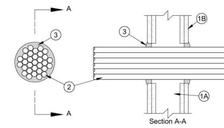
   SPECIFIED TECHNOLOGIES INC - SpecSeal Sees SSS Sealant or SpecSeal LCI Sealant

•Bearing the UL Listing Mark

*Bearing the UL Classification Mark

System No. W-L-3076

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



Section A-A

1. **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, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **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) 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.
   B. **Gypsum Board* -** The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Diam of circular cutout in gypsum board layers in each side of wall to be 1/2 in. (13 mm) larger than diam of tight cable bundle (Item 2 or 2A.). Max diam of opening is 4-1/2 in. (114 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.
2. **Cables -** Max 4 in. (102 mm) diam tight bundle of cables to be installed either concentrically or eccentricity in circular cutouts in gypsum board opening. Cables to be rigidly supported on both sides of wall assembly. The annular space within the firestop system shall be a min 0 in. (point contact) to a max 1/2 in. (13 mm). Any combination of the following types and sizes of cables may be used.
   A. Max 150 pair No. 24 AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 1/C - 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.
   C. Max 2/0 AWG (or smaller) copper conductor cable with a XLPE insulation and PVC jacket.
   D. Max 3/C (with ground) No. 8 AWG nonmetallic sheathed (Romex) cable (or smaller) with copper conductor, polyvinyl chloride (PVC) insulation and jacket materials.
   E. Max 3/C (with ground) No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket materials.
   F. Max 4 pair No. 18 AWG (or smaller) copper conductor thermostat cable with PVC insulation and jacket materials.
   G. Max RG/U Type 11 (or smaller) coaxial cable with fluorinated ethylene insulation and jacket materials.
   H. Max 62.5/125 micron fiber optic cable with PVC insulation and jacket materials.

2A. **Through penetrating Product* -** As an alternate to the Item 2, a max 4 in. (102 mm) diam tight bundle of max 4 /C (with ground) No. 2/0 AWG (or smaller) aluminum or steel jacketed **Armored Cable** or **Metal-Clad Cable** with aluminum or steel interlocked armor. The annular space within the firestop system shall be a min 0 in. (point contact) to a max of 1 in. (25 mm). Through penetrating products may also be used in conjunction with the cables specified in Item 2. The through penetrating products are to be spaced min 1/2 in. (13 mm) from the cable bundle in Item 2. Cables to be rigidly supported on both sides of wall assembly.

   AFC CABLE SYSTEMS INC

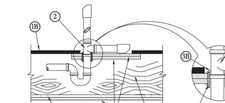
   ENCORE WIRE CORP
3. **Fill, Void or Cavity Material* - Sealant -** Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. Fill material to be forced into interstices of cable group to max extent possible. At point contact location, apply min 1/4 in. (6 mm) bead of fill material at cable/gypsum board interface on both sides of wall.

   SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

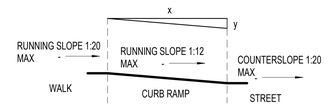
•Bearing the UL Classification Mark

• Bearing the UL Listing Mark

System No. F-C-2026
May 18, 2005
F Rating – 1 Hr
T Rating – 1 Hr

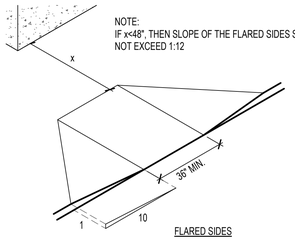


1. **Floor-Ceiling Assembly** – The fire rated wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with brid

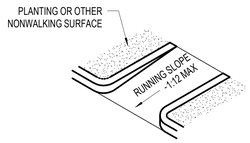


NOTE:
(1) SLOPE = y/x WHERE x IS A LEVEL PLANE
(2) COUNTERSLOPE SHALL NOT EXCEED 1:20

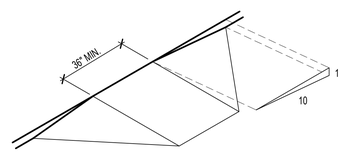
MEASUREMENT OF CURB RAMP SLOPES



FLARED SIDES

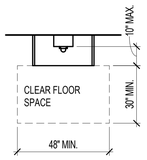


RETURNED CURB

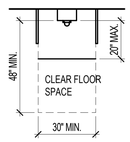


BUILT UP TO CURB RAMP

E6 CURB RAMPS
G701 3/8" = 1'-0"

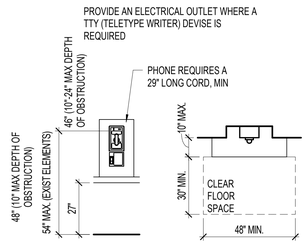


PARALLEL APPROACH TO TELEPHONE

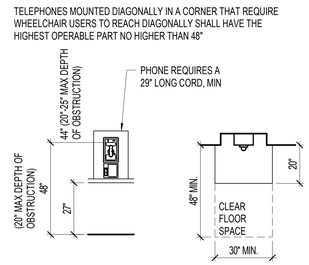


FORWARD APPROACH TO TELEPHONES

D6 APPROACH TO TELEPHONE
G701 3/8" = 1'-0"

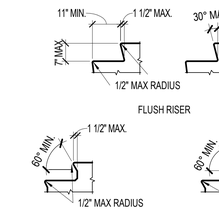


SIDE REACH



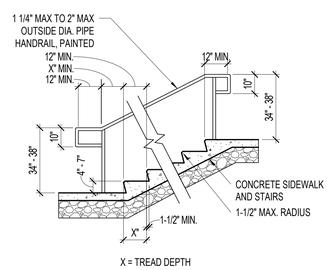
FORWARD REACH

D4 TELEPHONE DETAILS
G701 3/8" = 1'-0"

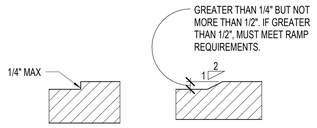


TYPICAL STAIRS

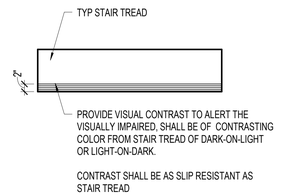
E2 EXTERIOR STAIR RAILING
G701 3/8" = 1'-0"



X = TREAD DEPTH

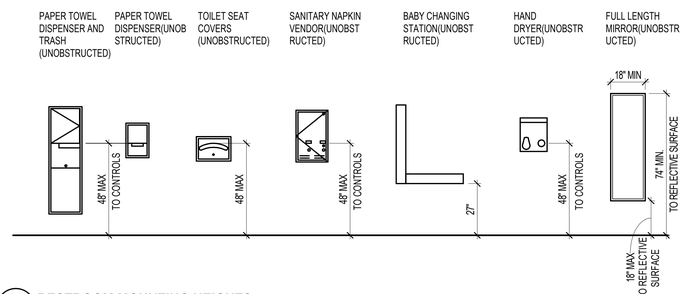


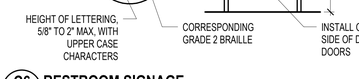
E1 CHANGE IN LEVELS
G701 6" = 1'-0"



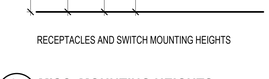
D2 TYPICAL STAIR TREAD
G701 1/2" = 1'-0"

D1 TYPICAL STAIR TREAD
G701 3/4" = 1'-0"





C6 RESTROOM SIGNAGE
G701 3/8" = 1'-0"



RECEPTACLES AND SWITCH MOUNTING HEIGHTS

C4 MISC. MOUNTING HEIGHTS
G701 3/8" = 1'-0"

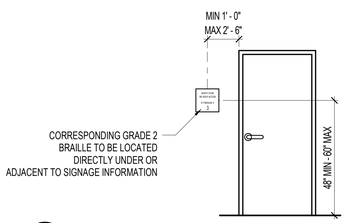


CANTILEVERED DRINKING FOUNTAIN & WATER COOLERS

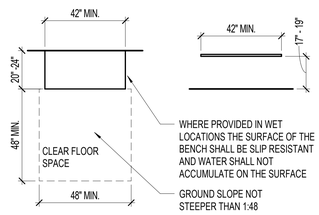
C3 DRINKING FOUNTAIN DETAIL
G701 3/8" = 1'-0"

C2 RESTROOM MOUNTING HEIGHTS
G701 3/8" = 1'-0"

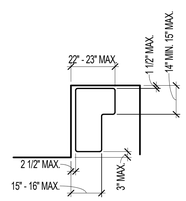
APPROVED STAIRWAY IDENTIFICATION SIGNS SHALL BE LOCATED AT EACH FLOOR LEVEL IN ALL ENCLOSED STAIRWAYS IN BUILDINGS TWO OR MORE STORIES IN HEIGHT. THE SIGN SHALL IDENTIFY THE STAIRWAY, ROOF ACCESS, FLOOR LEVEL AND UPPER & LOWER TERMINUS OF THE STAIRWAY



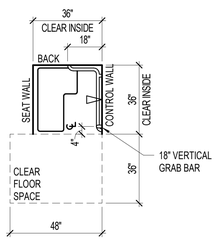
B6 STAIRWAY SIGNAGE
G701 3/8" = 1'-0"



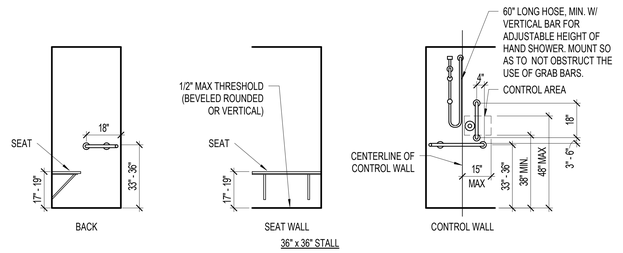
B5 ACCESSIBLE BENCH
G701 3/8" = 1'-0"



B4 SHOWER SEAT DESIGN
G701 3/8" = 1'-0"



B3 TRANSFER SHOWER STALL
G701 3/8" = 1'-0"

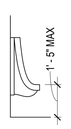


NOTE: DIMENSIONS ARE TO TOP/BOTTOM OF GRAB BARS.

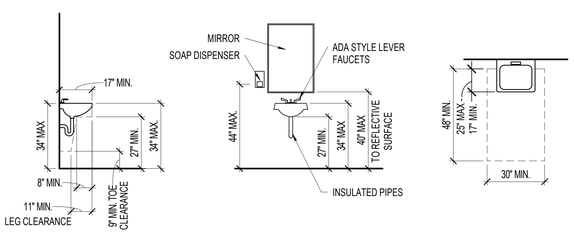
B2 ACCESSIBLE 36"x36" SHOWER STALL
G701 3/8" = 1'-0"

GENERAL NOTE - ACCESSIBILITY

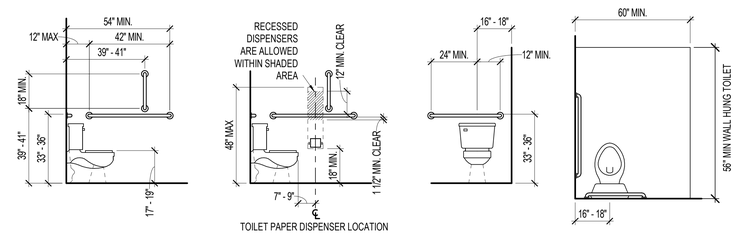
A. THESE DETAILS ARE SHOWN FOR MINIMUM ACCESSIBILITY REQUIREMENTS. SEE PROJECT SPECIFIC DETAILS FOR ADDITIONAL INFORMATION. VERIFY WITH ARCHITECT ANY DIFFERENCES BEFORE PROCEEDING WITH CONSTRUCTION.



A6 URINAL MOUNTING HEIGHT
G701 3/8" = 1'-0"



A5 ACCESSIBLE SINK DETAIL
G701 3/8" = 1'-0"



NOTE: DIMENSIONS ARE TO TOP/BOTTOM OF GRAB BARS UNLESS NOTED OTHERWISE.

A3 ACCESSIBLE WALL / FLOOR MOUNTED TOILET DETAIL
G701 3/8" = 1'-0"

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5000975-0301
5/12/21
REGISTERED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

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NEXUS PROJ. #: 21010
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DRAWN BY: JV
DATE: 04/02/2021

ACCESSIBILITY COMPLIANCE

G701

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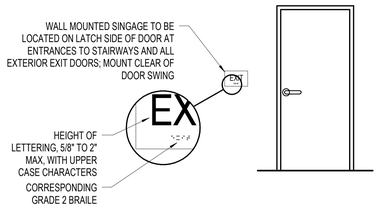
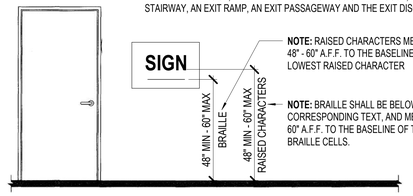
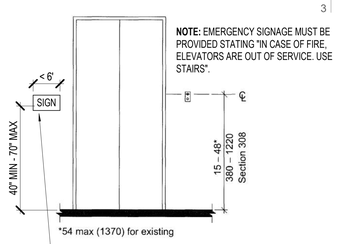
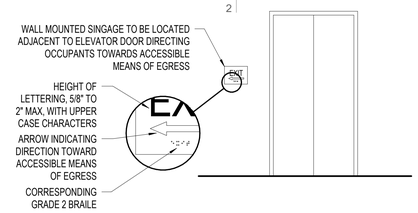


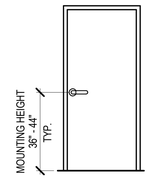
E6 TACTILE EXIT SIGN
G702 3/8" = 1'-0"





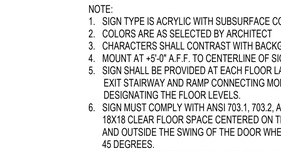


E2 ELEVATOR EXIT SIGN
G702 3/8" = 1'-0"



E1 DOOR HARDWARE MOUNTING HEIGHT
G702 3/8" = 1'-0"

NOTE:
1. SIGN TYPE IS SMOOTH STAINLESS STEEL
2. CHARACTERS SHALL CONTRAST WITH BACKGROUND COLOR
3. MOUNT AT 42" A.F.F. TO CENTERLINE OF SIGN
4. SIGN FLUSH WITH ADJACENT WALL FINISH



D1 EMERGENCY TWO WAY COMMUNICATOR
G702 1 1/2" = 1'-0"

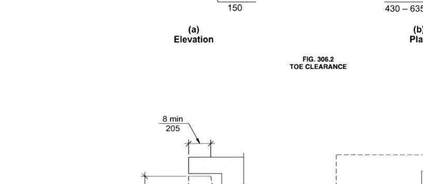
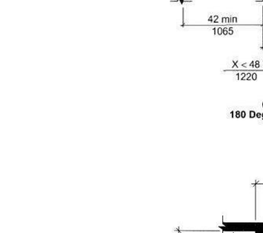


FIG. 703.3.11
LOCATION OF SIGNS AT DOORS

D2 LOCATION OF EXIT SIGNS @ DOORS
G702 1 1/2" = 1'-0"



(a) Height of Signals

NOTE: TWO WAY COMMUNICATION SYSTEM SHALL BE PROVIDED AT THE ELEVATOR LANDINGS ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE STORY OF EXIT DISCHARGE. SYSTEM SHALL PROVIDE VISIUAL & AUDIBLE SIGNALS, AND IF HAND CORD IS PROVIDED, SHALL BE 29" MINIMUM IN LENGHT.

(b) Size of Signals

FIG. 407.2.2.2
ELEVATOR VISIBLE SIGNALS

D4 ELEVATOR SIGNALS & CONTROLS
G702 3/8" = 1'-0"

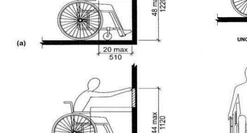


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

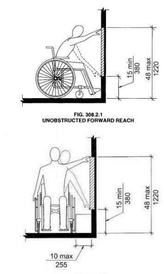


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

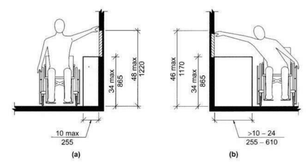
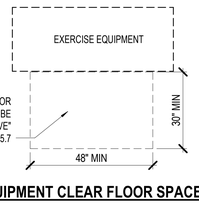


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH



C1 EXERCISE EQUIPMENT CLEAR FLOOR SPACE
G702 1/2" = 1'-0"

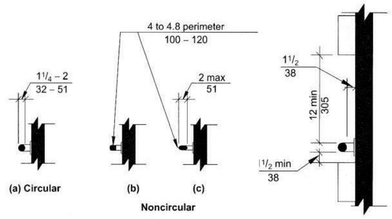


FIG. 609.2
SIZE OF GRAB BARS

FIG. 609.3
SPACING OF GRAB BARS

C2 GRAB BARS DIMENSIONS
G702 3/8" = 1'-0"

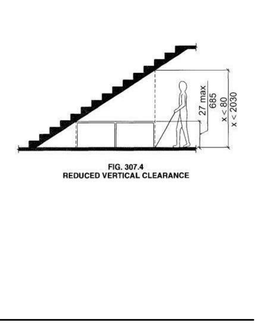


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

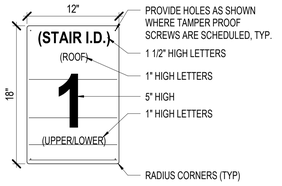
FIG. 307.4
REDUCED VERTICAL CLEARANCE

C4 PROTRUDING OBJECTS
G702 3/8" = 1'-0"

FIG. 404.2.3.2
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

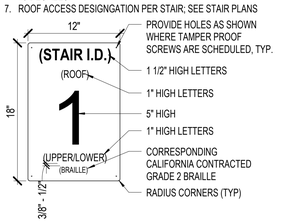
C6 REACH RANGES
G702 3/8" = 1'-0"

NOTE:
1. SIGN TYPE IS ACRYLIC WITH SUBSURFACE COLOR
2. COLORS ARE AS SELECTED BY ARCHITECT
3. CHARACTERS SHALL CONTRAST WITH BACKGROUND COLOR
4. MOUNT AT +5'-0" A.F.F. TO CENTERLINE OF SIGN



B1 STAIRWAY IDENTIFICATION SIGN
G702 1 1/2" = 1'-0"

NOTE:
1. SIGN TYPE IS ACRYLIC WITH SUBSURFACE COLOR
2. COLORS ARE AS SELECTED BY ARCHITECT
3. CHARACTERS SHALL CONTRAST WITH BACKGROUND COLOR
4. MOUNT AT +5'-0" A.F.F. TO CENTERLINE OF SIGN
5. SIGN SHALL BE PROVIDED AT EACH FLOOR LANDING IN AN INTERIOR EXIT STAIRWAY AND RAMP CONNECTING MORE THAN THREE STORIES DESIGNATING THE FLOOR LEVELS.
6. SIGN MUST COMPLY WITH ANSI 703.1, 703.2, AND 703.3, AND MUST HAVE AN 18X18 CLEAR FLOOR SPACE CENTERED ON THE TACTILE CHARACTERS AND OUTSIDE THE SWING OF THE DOOR WHEN OPENED BETWEEN 0 AND 45 DEGREES.
7. ROOF ACCESS DESIGNGATION PER STAIR; SEE STAIR PLANS



A1 STAIRWAY FLOOR LEVEL SIGN
G702 1 1/2" = 1'-0"

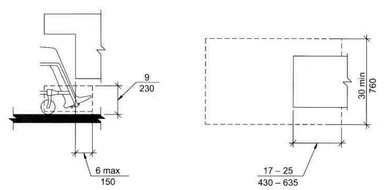


FIG. 306.2
TOE CLEARANCE

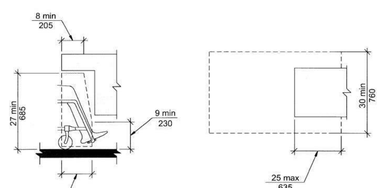


FIG. 306.3
KNEE CLEARANCE

A2 KNEE CLEARANCE
G702 3/8" = 1'-0"

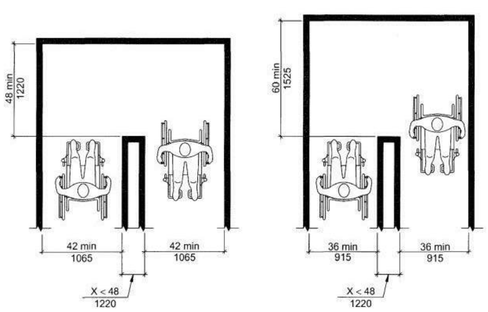


FIG. 403.5.1
CLEAR WIDTH AT 180° TURN

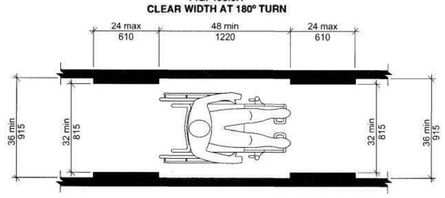


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

A4 ACCESSIBLE ROUTE
G702 3/8" = 1'-0"

A6 DOOR CLEARANCES
G702 3/8" = 1'-0"

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#	Date	Revision

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CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

ACCESSIBILITY COMPLIANCE

G702

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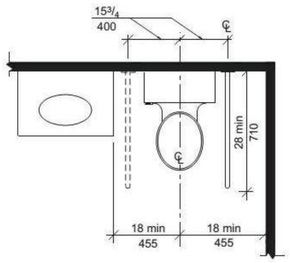


FIG. 1004.11.1.1SWING-UP GRAB BAR FOR WATER CLOSET

D1 SWING-UP GRAB BAR FOR WATER CLOSET
G703 1 1/2" = 1'-0"

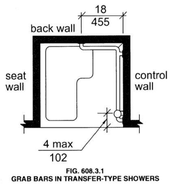


FIG. 608.3.1
GRAB BARS IN TRANSFER-TYPE SHOWERS

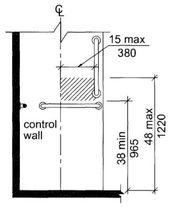
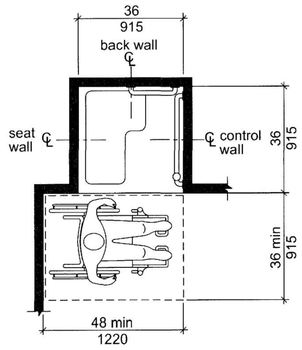


FIG. 608.4.1
TRANSFER-TYPE SHOWER
CONTROLS AND HANDSHOWER LOCATION



Note: inside finished dimensions measured at the center points of opposing sides

FIG. 608.2.1
TRANSFER-TYPE SHOWER
COMPARTMENT SIZE AND CLEARANCE

D3 TRANSFER - TYPE SHOWER
G703 1 1/2" = 1'-0"

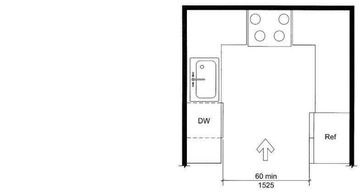


FIG. 1004.12.1.2
U-SHAPED KITCHEN CLEARANCE IN TYPE B UNITS

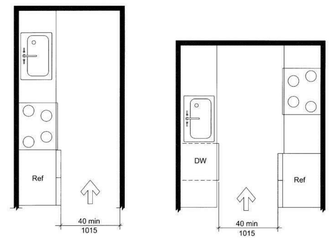


FIG. 1004.12.1.1
MINIMUM KITCHEN CLEARANCE IN TYPE B UNITS

D5 TYPE B KITCHEN CLEARANCE
G703 3/8" = 1'-0"

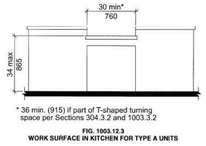


FIG. 1003.12.3
WORK SURFACE IN KITCHEN FOR TYPE A UNITS

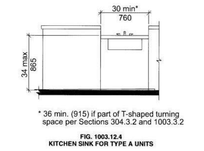


FIG. 1003.12.4
KITCHEN SINK FOR TYPE A UNITS

D6 TYPE A KITCHEN SINK
G703 3/8" = 1'-0"

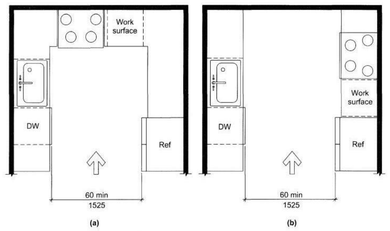


FIG. 804.2.2
U-SHAPED KITCHEN CLEARANCE

B1 TYPE A KITCHEN CLEARANCE
G703 3/8" = 1'-0"

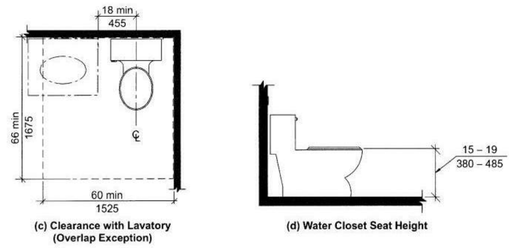


FIG. 1003.11.2.4
WATER CLOSETS IN TYPE A UNITS

B2 TYPE A TOILET CLEARANCES
G703 3/8" = 1'-0"



FIG. 611.3
CLEAR FLOOR SPACE

FIG. 611.4
HEIGHT OF LAUNDRY EQUIPMENT

C5 CLEAR FLOOR WASHER/DRYER
G703 3/8" = 1'-0"

FIG. 1004.11.3.1.2
CLEARANCE AT WATER CLOSETS IN TYPE B UNITS

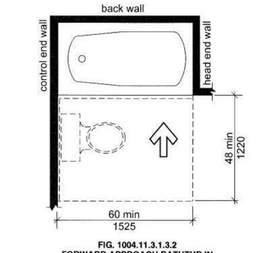


FIG. 1004.11.3.1.3.2
FORWARD APPROACH BATHTUB IN TYPE B UNITS—OPTION A BATHROOMS

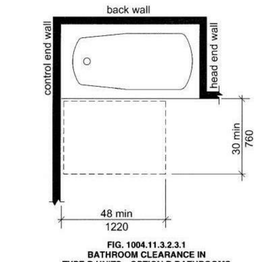


FIG. 1004.11.3.2.3.1
BATHROOM CLEARANCE IN TYPE B UNITS—OPTION B BATHROOMS

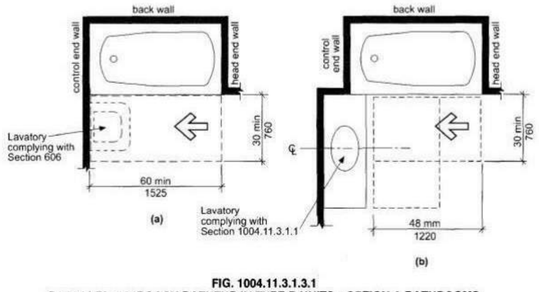


FIG. 1004.11.3.1.3.1
PARALLEL APPROACH BATHTUB IN TYPE B UNITS—OPTION A BATHROOMS

A5 TYPE B - BATHROOM CLEARANCE
G703 3/8" = 1'-0"

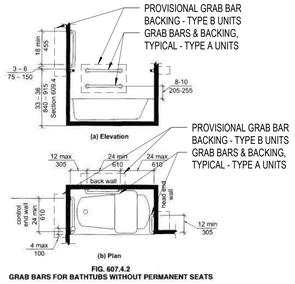


FIG. 607.4.2
GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEATS

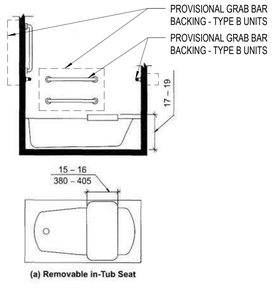


FIG. 610.2
BATHTUB SEATS

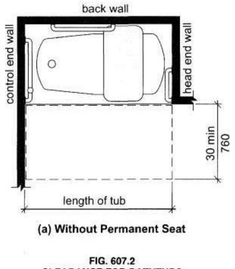


FIG. 607.2
CLEARANCE FOR BATHTUBS

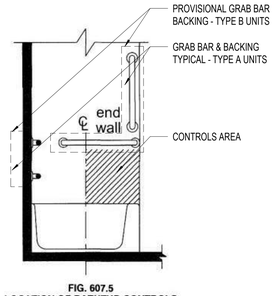


FIG. 607.5
LOCATION OF BATHTUB CONTROLS

A1 TYPE A & B - GRAB BARS, BLOCKING AND CLEARANCES
G703 3/8" = 1'-0"

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STATE OF UTAH
JUSTIN VANCE
5000975-0301
5/21/21
LICENSED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

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DRAWN BY: JV
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ACCESSIBILITY COMPLIANCE

G703

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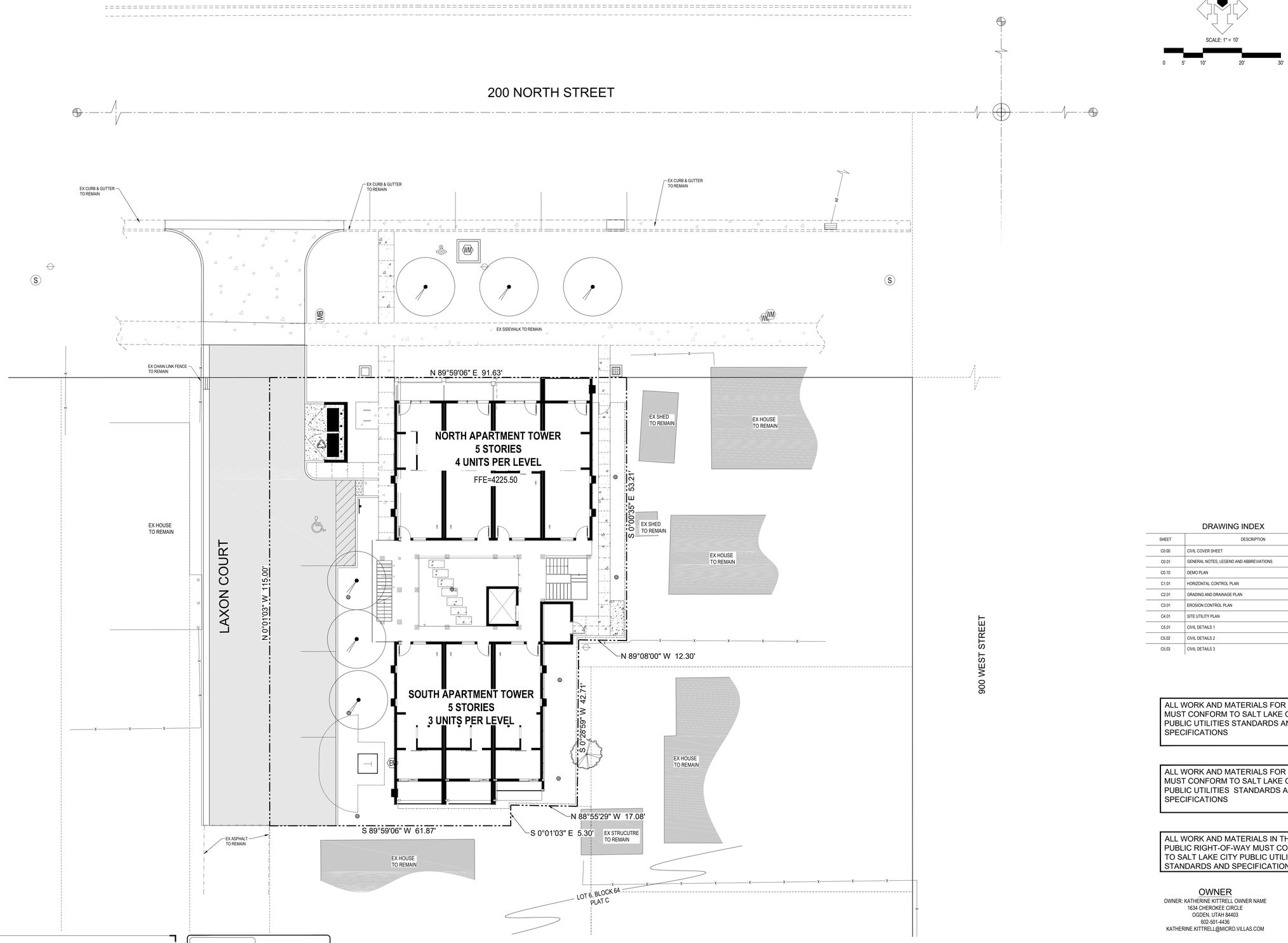

NORTH

SCALE: 1" = 10'

0 5' 10' 20' 30'

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PROFESSIONAL ENGINEER
No. 375478-2202
ROBERT J. POIRIER
5-21-21
STATE OF UTAH

VILLA NUEVA LLC.
MICRO VILLAS
915 WEST 200 N SALT LAKE CITY UT, 84116

DRAWING INDEX

SHEET	DESCRIPTION
C0.00	CIVIL COVER SHEET
C0.01	GENERAL NOTES, LEGEND AND ABBREVIATIONS
C0.10	DEMO PLAN
C1.01	HORIZONTAL CONTROL PLAN
C2.01	GRADING AND DRAINAGE PLAN
C3.01	EROSION CONTROL PLAN
C4.01	SITE UTILITY PLAN
C5.01	CIVIL DETAILS 1
C5.02	CIVIL DETAILS 2
C5.03	CIVIL DETAILS 3

ALL WORK AND MATERIALS FOR WATER MUST CONFORM TO SALT LAKE CITY PUBLIC UTILITIES STANDARDS AND SPECIFICATIONS

ALL WORK AND MATERIALS FOR SEWER MUST CONFORM TO SALT LAKE CITY PUBLIC UTILITIES STANDARDS AND SPECIFICATIONS

ALL WORK AND MATERIALS IN THE PUBLIC RIGHT-OF-WAY MUST CONFORM TO SALT LAKE CITY PUBLIC UTILITIES STANDARDS AND SPECIFICATIONS

OWNER

OWNER: KATHERINE KITTRELL OWNER NAME
1634 CHEROKEE CIRCLE
OGDEN, UTAH 84403
602-501-4436
KATHERINE.KITTRELL@MICRO.VILLAS.COM

#	Date	Revision

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NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

SALT LAKE CITY GENERAL NOTES

1. COMPLIANCE
ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT EDITIONS OF THE FOLLOWING: THE INTERNATIONAL PLUMBING CODE, UTAH DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, AND SLC PUBLIC UTILITIES MODIFICATIONS TO APWA STANDARD PLANS AND APPROVED MATERIALS AND SLC PUBLIC UTILITIES APWA SPECIFICATIONS MODIFICATIONS. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL OF THE ABOVE-MENTIONED DOCUMENTS UNLESS OTHERWISE NOTED AND APPROVED IN WRITING BY THE SALT LAKE CITY DIRECTOR OF PUBLIC UTILITIES.

2. COORDINATION
THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL APPROPRIATE GOVERNMENT AND PRIVATE ENTITIES ASSOCIATED WITH THE PROJECT. THE FOLLOWING MUST BE CONTACTED 48-HOURS PRIOR TO CONSTRUCTION AS APPLICABLE TO THE PROJECT:

PUBLIC UTILITIES:
BACKFLOW PREVENTION - 483-6795
DEVELOPMENT REVIEW ENGINEERING - 483-6781
INSPECTIONS, PERMITS, CONTRACTS & AGREEMENTS - 483-6727
PRETREATMENT - 799-4002
STORM WATER - 483-6751

SLC DEPARTMENTS:
ENGINEERING - PUBLIC WAY PERMITS AND ISSUES - 535-6248
ENGINEERING - SUBDIVISIONS - 535-6159
FIRE DEPARTMENT - 535-6636
PERMITS AND LICENSING (BLDG SERVICES) - 535-7752
PLANNING AND ZONING - 535-7700
TRANSPORTATION - 535-6630

- ALL OTHER POTENTIALLY IMPACTED GOVERNING AGENCIES OR ENTITIES
- ALL WATER USERS INVOLVED IN WATER MAIN SHUTDOWNS
- APPLICABLE SEWER, WATER AND DRAINAGE DISTRICTS
  - BLUESTAKES LOCATING SERVICES - 532-5000
- COUNTY FIRE DEPARTMENT - 743-7231
- COUNTY FLOOD CONTROL - 468-2779
- COUNTY HEALTH DEPARTMENT - 385-468-3913
  - COUNTY PUBLIC WAY PERMITS - 468-2241
- HOLLADAY CITY - 272-9450
- SALT LAKE COUNTY HIGHWAY DEPARTMENT - 468-3705 OR 468-2156
- THE UTAH TRANSIT AUTHORITY FOR RE-ROUTING SERVICE - 262-5626
- UNION PACIFIC RAILROAD CO., SUPERINTENDENTS OFFICE - 595-3405
- UTAH DEPARTMENT OF TRANSPORTATION, REGION #2 - 975-4800
  - UTAH STATE ENGINEER - 538-7240

3. SCHEDULE
PRIOR TO CONSTRUCTION THE CONTRACTOR WILL PROVIDE, AND WILL UPDATE AS CHANGES OCCUR, A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE SPECIFICATIONS AND SLC PUBLIC UTILITIES ENGINEERING OR SALT LAKE COUNTY REGULATIONS AS APPLICABLE FOR WORKING WITHIN THE PUBLIC WAY.

4. PERMITS, FEES AND AGREEMENTS
CONTRACTOR MUST OBTAIN ALL THE NECESSARY PERMITS AND AGREEMENTS AND PAY ALL APPLICABLE FEES PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTACT SALT LAKE CITY ENGINEERING (535-6248) FOR PERMITS AND INSPECTIONS REQUIRED FOR ANY WORK CONDUCTED WITHIN SALT LAKE CITY'S PUBLIC RIGHT-OF-WAY. APPLICABLE UTILITY PERMITS MAY INCLUDE MAINLINE EXTENSION AGREEMENTS AND SERVICE CONNECTION PERMITS. ALL UTILITY WORK MUST BE BONDED. ALL CONTRACTORS MUST BE LICENSED TO WORK ON CITY UTILITY MAINS. CONSTRUCTION SITES MUST BE IN COMPLIANCE WITH THE UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (UPDES) STORM WATER PERMIT FOR CONSTRUCTION ACTIVITIES (538-6923). A COPY OF THE PERMIT'S STORM WATER POLLUTION PREVENTION PLAN MUST BE SUBMITTED TO PUBLIC UTILITIES FOR REVIEW AND APPROVAL. ADDITIONAL WATER QUALITY AND EROSION CONTROL MEASURES MAY BE REQUIRED. THE CONTRACTOR MUST ALSO COMPLY WITH SALT LAKE CITY'S CLEAN WHEEL ORDINANCE.

5. ASPHALT AND SOIL TESTING
THE CONTRACTOR IS TO PROVIDE MARSHALL AND PROCTOR TEST DATA 24-HOURS PRIOR TO USE. CONTRACTOR IS TO PROVIDE COMPACTION AND DENSITY TESTING AS REQUIRED BY SALT LAKE CITY ENGINEERING, UDOT, SALT LAKE COUNTY OR OTHER GOVERNING ENTITY. TRENCH BACKFILL MATERIAL AND COMPACTION TESTS ARE TO BE TAKEN PER APWA STANDARD SPECIFICATIONS, SECTION 330520 - BACKFILLING TRENCHES, OR AS REQUIRED BY THE SLC PROJECT ENGINEER IF NATIVE MATERIALS ARE USED. NO NATIVE MATERIALS ARE ALLOWED WITHIN THE PIPE ZONE. THE MAXIMUM LIFTS FOR BACKFILLING EXCAVATIONS IS 8-INCHES. ALL MATERIALS AND COMPACTION TESTING IS TO BE PERFORMED BY A LAB RECOGNIZED AND ACCEPTED BY SALT LAKE COUNTY PUBLIC WORKS AND/OR SALT LAKE CITY ENGINEERING.

6. TRAFFIC CONTROL AND HAUL ROUTES
TRAFFIC CONTROL MUST CONFORM TO THE MOST CURRENT EDITION OF SALT LAKE CITY TRAFFIC CONTROL MANUAL - PART II OF 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' FOR SALT LAKE COUNTY AND STATE ROADS. SLC TRANSPORTATION MUST APPROVE ALL PROJECT HAUL ROUTES (535-7129). THE CONTRACTOR MUST ALSO CONFORM TO UDOT, SALT LAKE COUNTY OR OTHER APPLICABLE GOVERNING ENTITIES REQUIREMENTS FOR TRAFFIC CONTROL.

7. SURVEY CONTROL
CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS APPROVED. THE STAKES SHALL BE MARKED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH CUTS AND/OR FILLS TO THE GRADE OF THE MAIN AND/OR FACILITY AS APPROVED. IN ADDITION, THE CONTRACTOR AND/OR SURVEYOR SHALL PROVIDE TO SALT LAKE CITY PUBLIC UTILITIES CUT SHEETS FILLED OUT COMPLETELY AND CLEARLY SHOWING THE PERTINENT GRADES, ELEVATIONS CUT/FILLS ASSOCIATED WITH THE FIELD STAKING OF THE MAIN AND/OR FACILITY. THE CUT SHEET FORM IS AVAILABLE AT THE CONTRACTS AND AGREEMENTS OFFICE AT PUBLIC UTILITIES. ALL MAINS AND LATERALS NOT MEETING MINIMUM GRADE REQUIREMENTS AS SPECIFIED BY ORDINANCE OR AS REQUIRED TO MEET THE MINIMUM REQUIRED FLOWS OR AS APPROVED MUST BE REMOVED AND RECONSTRUCTED TO MEET DESIGN GRADE. THE CONTRACTOR SHALL PROTECT ALL STAKES AND MARKERS UNTIL PUBLIC UTILITY SURVEYORS COMPLETE FINAL MEASUREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE COUNTY SURVEYOR (468-2028) FOR MONUMENT LOCATIONS AND CONSTRUCTION REQUIREMENTS. ALL ELEVATIONS SHALL BE REFERENCED TO SALT LAKE CITY DATUM UNLESS NOTED OTHERWISE ON THE PLANS.

8. ASPHALT GUARANTEE
THE CONTRACTOR SHALL REMOVE, DISPOSE OF, FURNISH AND PLACE PERMANENT ASPHALT PER SALT LAKE CITY ENGINEERING, UDOT, COUNTY, OR OTHER GOVERNMENT STANDARDS AS APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL GUARANTEE THE ASPHALT RESTORATION FOR A PERIOD AS REQUIRED BY THE GOVERNING ENTITY.

9. TEMPORARY ASPHALT
IF THE CONTRACTOR CHOOSES TO WORK WITHIN THE PUBLIC WAY WHEN HOT MIX ASPHALT IS NOT AVAILABLE, THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE APPROPRIATE GOVERNING ENTITY PRIOR TO INSTALLING TEMPORARY ASPHALT SURFACING MATERIAL WITHIN SALT LAKE CITY. WHEN PERMANENT ASPHALT BECOMES AVAILABLE, THE CONTRACTOR SHALL REMOVE THE TEMPORARY ASPHALT, FURNISH AND INSTALL THE PERMANENT ASPHALT. THE CONTRACTOR SHALL GUARANTEE THE ASPHALT RESTORATION FOR A PERIOD AS REQUIRED BY THE GOVERNING ENTITY FROM THE DATE OF COMPLETION.

10. SAFETY
THE CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA, STATE, COUNTY AND OTHER GOVERNING ENTITY REQUIREMENTS.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OF WORKERS.

11. DUST CONTROL
THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO THE GOVERNING ENTITY STANDARDS. USE OF HYDRANT WATER OR PUMPING FROM CITY-OWNED CANALS OR STORM DRAINAGE FACILITIES IS NOT ALLOWED FOR DUST CONTROL ACTIVITIES WITHOUT WRITTEN APPROVAL OF THE PUBLIC UTILITIES DIRECTOR.

12. DEWATERING
ALL ON-SITE DEWATERING ACTIVITIES MUST BE APPROVED IN WRITING BY PUBLIC UTILITIES. PROPOSED OUTFALL LOCATIONS AND ESTIMATED FLOW VOLUME CALCULATIONS MUST BE SUBMITTED TO PUBLIC UTILITIES FOR REVIEW AND APPROVAL. ADEQUATE MEASURES MUST BE TAKEN TO REMOVE ALL SEDIMENT PRIOR TO DISCHARGE. PUBLIC UTILITIES MAY REQUIRE ADDITIONAL MEASURES FOR SEDIMENT CONTROL AND REMOVAL.

13. PROJECT LIMITS
THE CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNING ENTITY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.

14. WATER, FIRE, SANITARY SEWER AND STORM DRAINAGE UTILITIES

A. INSPECTIONS -
IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE ANY WATER, SEWER, BACKFLOW AND DRAINAGE INSPECTION 48-HOURS IN ADVANCE TO WHEN NEEDED. CONTACT 483-6727 TO SCHEDULE INSPECTIONS.

B. DAMAGE TO EXISTING UTILITIES -
THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE, CAUSED BY ANY CONDITION INCLUDING SETTLEMENT, TO EXISTING UTILITIES FROM WORK PERFORMED AT OR NEAR EXISTING UTILITIES. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE ROADWAY AND UTILITY FACILITIES. DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR, MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE, TO THE SATISFACTION OF THE OWNER OF SAID FACILITIES.

C. UTILITY LOCATIONS -
CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND AVOIDING ALL UTILITIES AND SERVICE LATERALS, AND FOR REPAIRING ALL DAMAGE THAT OCCURS TO THE UTILITIES DUE TO THE CONTRACTOR'S ACTIVITIES. CONTRACTOR IS TO VERIFY LOCATION, DEPTH, SIZE, MATERIAL AND OUTSIDE DIAMETERS OF UTILITIES IN THE FIELD BY POTHOLING A MINIMUM OF 300 FEET AHEAD OF SCHEDULED CONSTRUCTION IN ORDER TO IDENTIFY POTENTIAL CONFLICTS AND PROBLEMS WITH FUTURE CONSTRUCTION ACTIVITIES. EXISTING UTILITY INFORMATION OBTAINED FROM SLC PUBLIC UTILITIES MAPS MUST BE ASSUMED AS APPROXIMATE AND REQUIRING FIELD VERIFICATION. CONTACT BLUE STAKES OR APPROPRIATE OWNER FOR COMMUNICATION LINE LOCATIONS.

D. UTILITY RELOCATIONS -
FOR UTILITY CONFLICTS REQUIRING MAINLINE RELOCATIONS, THE CONTRACTOR MUST NOTIFY THE APPLICABLE UTILITY COMPANY OR USER A MINIMUM OF 2-WEEKS IN ADVANCE. A ONE-WEEK MINIMUM NOTIFICATION IS REQUIRED FOR CONFLICTS REQUIRING THE RELOCATION OF SERVICE LATERALS. ALL RELOCATIONS ARE SUBJECT TO APPROVAL FROM THE APPLICABLE UTILITY COMPANY AND/OR USER.

E. FIELD CHANGES -
NO ROADWAY, UTILITY ALIGNMENT OR GRADE CHANGES ARE ALLOWED FROM THE APPROVED CONSTRUCTION PLANS/DOCUMENTS WITHOUT WRITTEN APPROVAL FROM THE SLC PUBLIC UTILITIES DIRECTOR. CHANGES TO WATER LOCATIONS AND/OR FIRE LINES MUST BE REVIEWED AND APPROVED BY THE SALT LAKE CITY OR SALT LAKE COUNTY FIRE DEPARTMENT (AS APPLICABLE TO THE PROJECT) AND PUBLIC UTILITIES.

F. PUBLIC NOTICE TO PROJECTS IN THE PUBLIC WAY -
FOR APPROVED PROJECTS THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AND DISTRIBUTE WRITTEN NOTICE TO ALL RESIDENTS LOCATED WITHIN THE PROJECT AREA AT LEAST 72-HOURS PRIOR TO CONSTRUCTION. WORK TO BE CONDUCTED WITHIN COMMERCIAL OR INDUSTRIAL AREAS MAY REQUIRE A LONGER NOTIFICATION PERIOD AND ADDITIONAL CONTRACTOR COORDINATION WITH PROPERTY OWNERS. THE WRITTEN NOTICE IS TO BE APPROVED BY THE SLC PUBLIC UTILITIES PROJECT ENGINEER.

G. PUBLIC NOTICE FOR WATER MAIN SHUT DOWNS -
THROUGH THE SLC PUBLIC UTILITIES INSPECTOR AND WITH THE PUBLIC UTILITIES PROJECT ENGINEER APPROVAL, SLC PUBLIC UTILITIES MUST BE CONTACTED AND APPROVE ALL WATER MAIN SHUTDOWNS. ONCE APPROVED THE CONTRACTOR MUST NOTIFY ALL EFFECTED USERS BY WRITTEN NOTICE A MINIMUM OF 48-HOURS (RESIDENTIAL) AND 72-HOURS (COMMERCIAL/INDUSTRIAL) PRIOR TO THE WATER MAIN SHUT DOWN. PUBLIC UTILITIES MAY REQUIRE LONGER NOTICE PERIODS.

H. WATER AND SEWER SEPARATION -
IN ACCORDANCE WITH UTAH'S DEPARTMENT OF HEALTH REGULATIONS, A MINIMUM TEN-FOOT HORIZONTAL AND 1.5-FOOT VERTICAL (WITH WATER ON TOP) SEPARATION IS REQUIRED. IF THESE CONDITIONS CANNOT BE MET, STATE AND SLC PUBLIC UTILITIES APPROVAL IS REQUIRED. ADDITIONAL CONSTRUCTION MEASURES WILL BE REQUIRED FOR THESE CONDITIONS.

I. SALVAGE -
ALL METERS MUST BE RETURNED TO PUBLIC UTILITIES, AND AT PUBLIC UTILITIES REQUEST ALL SALVAGED PIPE AND/OR FITTINGS MUST BE RETURNED TO SLC PUBLIC UTILITIES (483-6727) LOCATED AT 1530 SOUTH WEST TEMPLE.

J. SEWER MAIN AND LATERAL CONSTRUCTION REQUIREMENTS -
SLC PUBLIC UTILITIES MUST APPROVE ALL SEWER CONNECTIONS. ALL SEWER LATERALS 6-INCHES AND SMALLER MUST WYE INTO THE MAINS PER SLC PUBLIC UTILITIES REQUIREMENTS. ALL 8-INCH AND LARGER SEWER CONNECTIONS MUST BE PETITIONED FOR AT PUBLIC UTILITIES (483-6762) AND CONNECTED AT A MANHOLE. INSIDE DROPS IN MANHOLES ARE NOT ALLOWED. A MINIMUM 4.4 FOOT BURY DEPTH IS REQUIRED ON ALL SEWER MAINS AND LATERALS. CONTRACTOR SHALL INSTALL INVERT COVERS IN ALL SEWER MANHOLES WITHIN THE PROJECT AREA.

CONTRACTOR TO PROVIDE AIR PRESSURE TESTING OF SEWER MAINS IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATIONS AND SALT LAKE CITY PUBLIC UTILITIES REQUIREMENTS. ALL PVC SEWER MAIN AND LATERAL TESTING SHALL BE IN ACCORDANCE WITH UNI-BELL UNI-B-6-98 RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE. CONTRACTOR SHALL PROVIDE SEWER LATERAL WATER TESTING AS REQUIRED BY THE SALT LAKE CITY PUBLIC UTILITIES PROJECT ENGINEER OR INSPECTOR. A MINIMUM OF 5-FEET OF HEAD PRESSURE IS REQUIRED AS MEASURED VERTICALLY FROM THE HIGH POINT OF THE PIPELINE AND AT OTHER LOCATIONS ALONG THE PIPELINE AS DETERMINED BY THE SLC PUBLIC UTILITIES PROJECT ENGINEER OR INSPECTOR. TESTING TIME WILL BE NO LESS THAN AS SPECIFIED FOR THE AIR TEST DURATION IN TABLE I ON PAGE 12 OF UNI-B-6-98. ALL PIPES SUBJECT TO WATER TESTING SHALL BE FULLY VISIBLE TO THE INSPECTOR DURING TESTING. TESTING MUST BE PERFORMED IN THE PRESENCE OF A SLC PUBLIC UTILITIES REPRESENTATIVE. ALL VISIBLE LEAKAGE MUST BE REPAIRED TO THE SATISFACTION OF THE SLC PUBLIC UTILITIES ENGINEER OR INSPECTOR.

K. WATER AND FIRE MAIN AND SERVICE CONSTRUCTION REQUIREMENTS -
PROVIDE A MINIMUM 2A-10 BC RATED FIRE EXTINGUISHER WITHIN 75-FOOT TRAVEL DISTANCE TO ALL SPACES WITHIN THE STRUCTURE. SLC PUBLIC UTILITIES MUST APPROVE ALL FIRE AND WATER SERVICE CONNECTIONS. A MINIMUM 3-FOOT SEPARATION IS REQUIRED BETWEEN ALL WATER AND FIRE SERVICE TAPS INTO THE MAIN. ALL CONNECTIONS MUST BE MADE MEETING SLC PUBLIC UTILITIES REQUIREMENTS. A 5-FOOT MINIMUM BURY DEPTH (FINAL GRADE TO TOP OF PIPE) IS REQUIRED ON ALL WATER/FIRE LINES UNLESS OTHERWISE APPROVED BY PUBLIC UTILITIES. WATER LINE THRUST BLOCK AND RESTRAINTS ARE AS PER SLC APPROVED DETAIL DRAWINGS AND SPECIFICATIONS. ALL EXPOSED NUTS AND BOLTS WILL BE COATED WITH CHEVRON RM1 GREASE PLUS MINIMUM 8 MIL THICKNESS PLASTIC. PROVIDE STAINLESS STEEL NUTS, BOLTS AND WASHERS FOR HIGH GROUNDWATER/ SATURATED CONDITIONS AT FLANGE FITTINGS, ETC.

ALL WATERLINES INSTALLATIONS AND TESTING TO BE IN ACCORDANCE WITH AWWA SECTIONS C600, C601, C651, C206, C200, C900, C302 AWWA MANUAL M11 AND ALL OTHER APPLICABLE AWWA, UPWS, ASTM AND ANSI SPECIFICATIONS RELEVANT TO THE INSTALLATION AND COMPLETION OF THE PROJECT. AMENDMENT TO SECTION C600 SECTION 4.1.1, DOCUMENT TO READ MINIMUM TEST PRESSURE SHALL NOT BE LESS THAN 200 P.S.I. GAUGED TO A HIGH POINT OF THE PIPELINE BEING TESTED. ALL MATERIALS USED FOR WATERWORKS PROJECTS TO BE RATED FOR 150 P.S.I. MINIMUM OPERATING PRESSURE.

CONTRACTOR IS TO INSTALL WATER SERVICE LINES, METER YOKES AND/OR ASSEMBLIES AND METER BOXS WITH LIDS LOCATED AS APPROVED ON THE PLANS PER APPLICABLE PUBLIC UTILITIES DETAIL DRAWINGS. METER BOXES ARE TO BE PLACED IN THE PARK STRIPS PERPENDICULAR TO THE WATERMAIN SERVICE TAP CONNECTION. ALL WATER METERS, CATCH BASINS, CLEANOUT BOXES, MANHOLES, DOUBLE CHECK VALVE DETECTOR ASSEMBLIES, REDUCED PRESSURE DETECTOR ASSEMBLIES AND BACKFLOW PREVENTION DEVICES MUST BE LOCATED OUTSIDE OF ALL APPROACHES, DRIVEWAYS, PEDESTRIAN WALKWAYS AND OTHER TRAVELED WAYS UNLESS OTHERWISE APPROVED ON PLANS.

BACKFLOW PREVENTORS ARE REQUIRED ON ALL IRRIGATION AND FIRE SPRINKLING TAPS PER PUBLIC UTILITIES AND SLC FIRE DEPARTMENT REQUIREMENTS. CONTRACTORS SHALL INSTALL BACKFLOW PREVENTION DEVICES ON FIRE SPRINKLER CONNECTIONS. DOUBLE CHECK VALVE ASSEMBLIES SHALL BE INSTALLED ON CLASS 1, 2 AND 3 SYSTEMS. REDUCED PRESSURE PRINCIPLE VALVES SHALL BE INSTALLED ON CLASS 4 SYSTEMS. ALL FIRE SPRINKLING BACKFLOW ASSEMBLIES SHALL CONFORM TO ASSE STANDARD 1048, 1013, 1047 AND 1015. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM BACKFLOW PREVENTION TESTS PER SALT LAKE CITY STANDARDS AND SUBMIT RESULTS TO PUBLIC UTILITIES. ALL TESTS MUST BE PERFORMED AND SUBMITTED TO PUBLIC UTILITIES WITHIN 30 DAYS OF INSTALLATION OR WATER TURN-ON. BACKFLOW TEST FORMS ARE AVAILABLE AT PUBLIC UTILITIES' CONTRACTS AND AGREEMENTS OFFICE.

L. GENERAL WATER, SEWER AND STORM DRAIN REQUIREMENTS -
ALL WATER, FIRE AND SEWER SERVICES STUBBED TO A PROPERTY MUST BE USED OR WATER AND FIRE SERVICES MUST BE KILLED AT THE MAIN AND SEWER LATERALS CAPPED AT PROPERTY LINE PER PUBLIC UTILITIES REQUIREMENTS. ALLOWABLE SERVICES TO BE KEPT WILL BE AS DETERMINED BY THE PUBLIC UTILITIES PROJECT ENGINEER. ALL WATER AND FIRE SERVICE KILLS AND SEWER LATERAL CAPS ARE TO BE INSPECTED AND APPROVED AND CAPPED AS DETERMINED AND VISUALLY VERIFIED BY THE ON-SITE PUBLIC UTILITIES INSPECTOR.

ALL MANHOLES, HYDRANTS, VALVES, CLEAN-OUT BOXES, CATCH BASINS, METERS, ETC. MUST BE RAISED OR LOWERED TO FINAL GRADE PER PUBLIC UTILITIES STANDARDS AND INSPECTOR REQUIREMENTS. CONCRETE COLLARS MUST BE CONSTRUCTED ON ALL MANHOLES, CLEANOUT BOXES, CATCH BASINS AND VALVES PER PUBLIC UTILITIES STANDARDS. ALL MANHOLE, CATCH BASIN, OR CLEANOUT BOX CONNECTIONS MUST BE MADE WITH THE PIPE CUT FLUSH WITH THE INSIDE OF THE BOX AND GROUTED OR SEALED AS REQUIRED BY THE PUBLIC UTILITIES INSPECTOR. ALL MANHOLE, CLEANOUT BOX OR CATCH BASIN DISCONNECTIONS MUST BE REPAIRED AND GROUTED AS REQUIRED BY THE ON-SITE PUBLIC UTILITIES INSPECTOR.

CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW OR EXISTING PIPE DURING CONSTRUCTION. UTILITY TRENCHING, BACKFILL, AND PIPE ZONE AS PER SLC PUBLIC UTILITIES, "UTILITY INSTALLATION DETAIL."

M. STREETLIGHTS-
ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT SALT LAKE CITY STANDARDS AND N.E.C. (NATIONAL ELECTRICAL CODE). A STREET LIGHTING PLAN SHOWING WIRING LOCATION, WIRING TYPE, VOLTAGE, POWER SOURCE LOCATION, CONDUIT SIZE AND LOCATION SHALL BE SUBMITTED TO SALT LAKE CITY AND BE APPROVED PRIOR TO CONSTRUCTION. NO DEVIATION OF STREETLIGHT, PULL BOXES, CONDUITS, AND ETC. LOCATIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE STREET LIGHTING PROGRAM MANAGER OR HIS/HER REPRESENTATIVE.

STREETLIGHT POLES SHALL NOT BE INSTALLED WITHIN 5 FEET OF A FIRE HYDRANT. THE LOCATION SHALL BE SUCH THAT IT DOES NOT HINDER THE OPERATION OF THE FIRE HYDRANT AND WATER LINE OPERATION VALVES.

STREETLIGHTS AND STREETLIGHT POLES SHALL NOT BE INSTALLED WITHIN 5 FEET FROM ANY TREE, UNLESS WRITTEN APPROVAL IS RECEIVED FROM THE STREET LIGHTING PROGRAM MANAGER. BRANCHES MAY NEED TO BE PRUNED AS DETERMINED BY THE INSPECTOR IN THE FIELD AT THE TIME OF INSTALLATION.

STREETLIGHTS SHALL NOT BE INSTALLED WITHIN 5 FEET FROM THE EDGE OF ANY DRIVEWAY.

ANTI-SEIZE LUBRICANT SHALL BE USED ON ALL COVER BOLTS AND GROUND BOX BOLTS.

ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION UNLESS APPROVED IN WRITING BY THE STREET LIGHTING PROGRAM MANAGER.

IF APPROVED PLANS REQUIRE REMOVAL OF STREETLIGHT POLES DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE POLES WHILE THEY ARE DOWN. THE POLES SHALL BE STORED IN A SECURE LOCATION AND RAISED OFF THE GROUND. PICTURES SHALL BE TAKEN BEFORE THE POLES ARE REMOVED TO DOCUMENT THE CONDITION OF THE POLES BEFORE THEY WERE REMOVED. PICTURES SHALL BE SENT TO THE CITY. CONTRACTOR SHALL ENSURE THE POLES ARE IN SIMILAR CONDITION WHEN RESTORED TO THEIR ORIGINAL LOCATIONS.

IF APPROVED PLANS REQUIRE PERMANENT REMOVAL OF STREETLIGHT POLES THE CONTRACTOR SHALL COORDINATE SALVAGE AND/OR DISPOSAL OF POLES, FIXTURES, AND LIGHTS WITH THE STREET LIGHTING PROGRAM MANAGER.

ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC. SHALL LEAVE A MINIMUM OF EIGHTEEN (18) INCHES TO THE FACE OF THE STREETLIGHT POLE ON ALL SIDES.

1

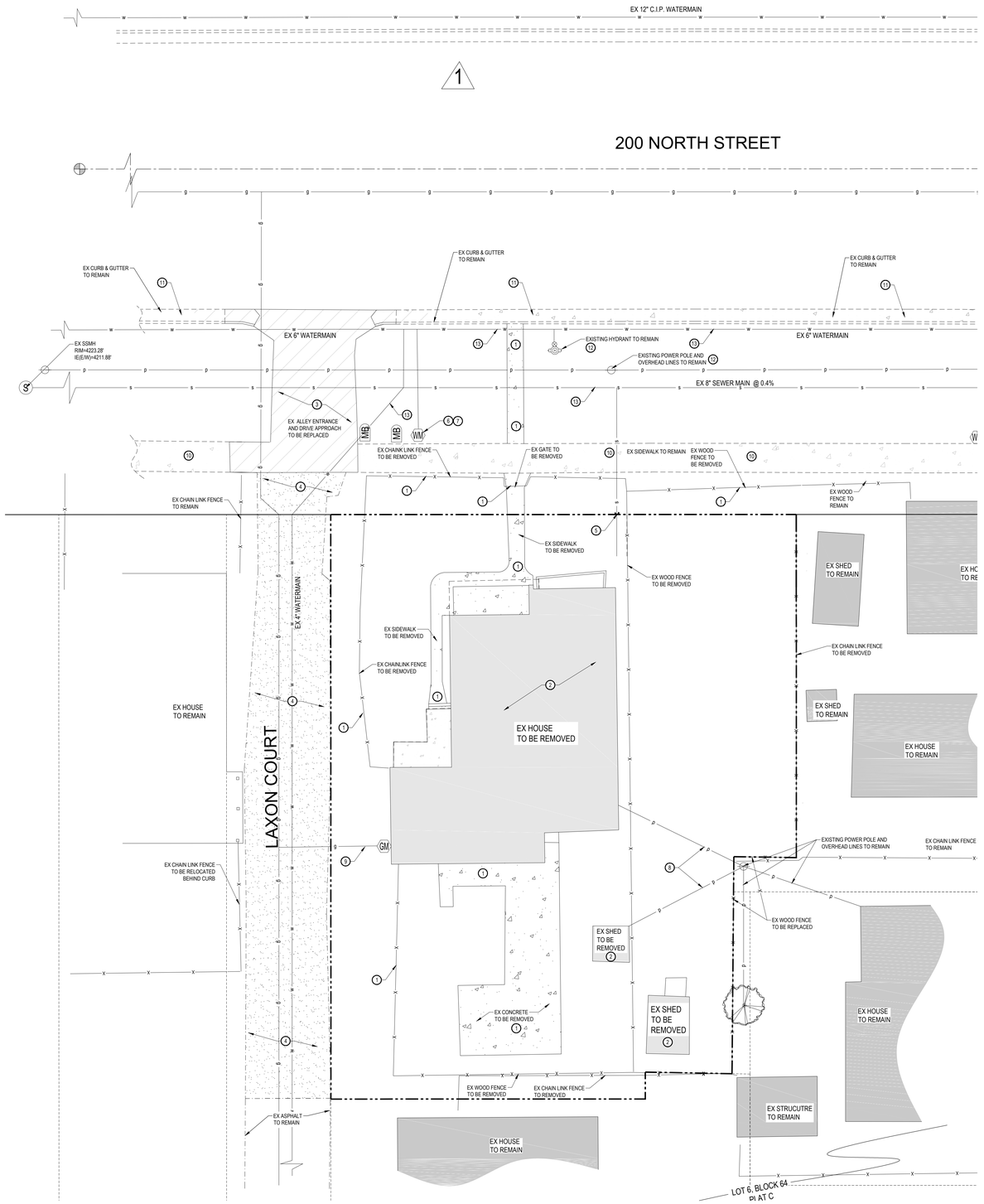
GENERAL NOTES

1.1 COMPLIANCE
1. ALL WORK TO CONFORM TO GOVERNING MUNICIPALITY'S STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT, ADOPTED EDITIONS OF THE FOLLOWING: INTERNATIONAL BUILDING CODE (IBC), THE INTERNATIONAL PLUMBING CODE, STATE DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY GUIDELINES.
3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.

1.2 PERMITTING AND INSPECTIONS
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ARCHITECT/ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
3. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD AND WITH APPROPRIATE INSPECTIONS.

1.3 COORDINATION & VERIFICATION
1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF NOT VERIFIED AND NOTIFICATION OF CONFLICTS HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
2. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND. NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED.
3. CONTRACTOR TO COORDINATE WITH ALL OTHER DISCIPLINES, INCLUDING BUT NOT LIMITED TO: LANDSCAPE PLANS, SITE ELECTRICAL SITE LIGHTING PLANS AND ELECTRICAL SERVICE TO THE BUILDING(S); MECHANICAL PLANS FOR LOCATION OF SERVICES TO THE BUILDING(S), INCLUDING FIRE PROTECTION; ARCHITECTURAL SITE PLAN FOR DIMENSIONS, ACCESSIBLE ROUTES, ETC., NOT SHOWN ON CIVIL PLANS.
4. CONTRACTOR IS TO COORDINATE LOCATION OF NEW TELEPHONE SERVICE, GAS SERVICE, CABLE, ETC. TO BUILDING WITH THE APPROPRIATE UTILITY COMPANY. FOR TELEPHONE, CONTRACTOR TO FURNISH CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE, AS REQUIRED.

1.4 SAFETY AND PROTECTION
1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OR WORKERS AND PUBLIC.
4. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE PROPERTY, ROADWAYS, AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS.
5. CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNMENT AGENCY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.
7. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
8. CONTRACTOR SHALL COMPLY WITH LOCAL NOISE ORDINANCE STANDARDS.
9. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS.
10. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTEC



NORTH

SCALE: 1" = 10'

0 5' 10' 20' 30'

GENERAL NOTES:

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ALL WORK TO COMPLY WITH GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.

COORDINATE WITH GOVERNING AGENCY PRIOR TO DEMOLITION OF ANY PUBLIC UTILITY.

UTILITY TYPE	PROVIDER
WATER	SLCPU
STORM	SLCPU
COMMUNICATIONS	COMCAST
COMMUNICATIONS	CENTURY LINK
COMMUNICATIONS	INTEGRA
SANITARY SEWER	SLCPU
NATURAL GAS	DOMINION ENERGY
POWER	ROCKY MOUNTAIN POWER

KEYED NOTES:

DEMOLISH AND/OR REMOVE THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. EXISTING SITE FEATURES (FENCES, GATES, STAIRS, CONCRETE FLATWORK) TO BE REMOVED/DEMOLISHED AND PROPERLY DISPOSED OF.
2. EXISTING STRUCTURES TO BE DEMOLISHED AND PROPERLY DISPOSED OF.
3. EXISTING CONCRETE FLATWORK, DRIVE APPROACHES, CURB AND GUTTER AND/OR CURB WALL TO BE REMOVED/DEMOLISHED AND PROPERLY DISPOSED OF.
4. EXISTING ASPHALT IN ALLEY TO BE REMOVED AND LEGALLY DISPOSED OF.
5. EXISTING SANITARY SEWER LATERAL TO BE CAPPED AT PROPERTY LINE, PER SLCPU STANDARDS AND SPECIFICATIONS.
6. EXISTING WATER SERVICE TO BE KILLED AT MAIN, PER SLCPU STANDARDS AND SPECIFICATIONS.
7. CONTRACTOR TO REMOVE EXISTING WATER METER EQUIPMENT AND COORDINATE THE RETURN TO GOVERNING BODY. EXISTING VAULT AND ASSOCIATED WATER SERVICE LINE TO BE REMOVED/DEMOLISHED AND PROPERLY DISPOSED OF.
8. COORDINATE WITH ROCKY MOUNTAIN POWER FOR REMOVAL OF OVERHEAD POWER LINES.
9. COORDINATE WITH DOMINION ENERGY TO PINCH EXISTING GAS SERVICE AT PROPERTY LINE.
10. PRESERVE AND PROTECT EXISTING CONCRETE FLATWORK. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE FLATWORK FROM DAMAGE DURING CONSTRUCTION.
11. PRESERVE AND PROTECT EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL FROM DAMAGE DURING CONSTRUCTION.
12. PRESERVE AND PROTECT EXISTING ABOVE-GROUND UTILITY STRUCTURE. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITY FROM DAMAGE DURING CONSTRUCTION.
13. PRESERVE AND PROTECT EXISTING UNDERGROUND UTILITY STRUCTURE. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITY FROM DAMAGE DURING CONSTRUCTION.

Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
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http://www.archnexus.com

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PROFESSIONAL ENGINEER No. 7514-2202 ROBERT J. POIRIER 8-3-21 STATE OF UTAH

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

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NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

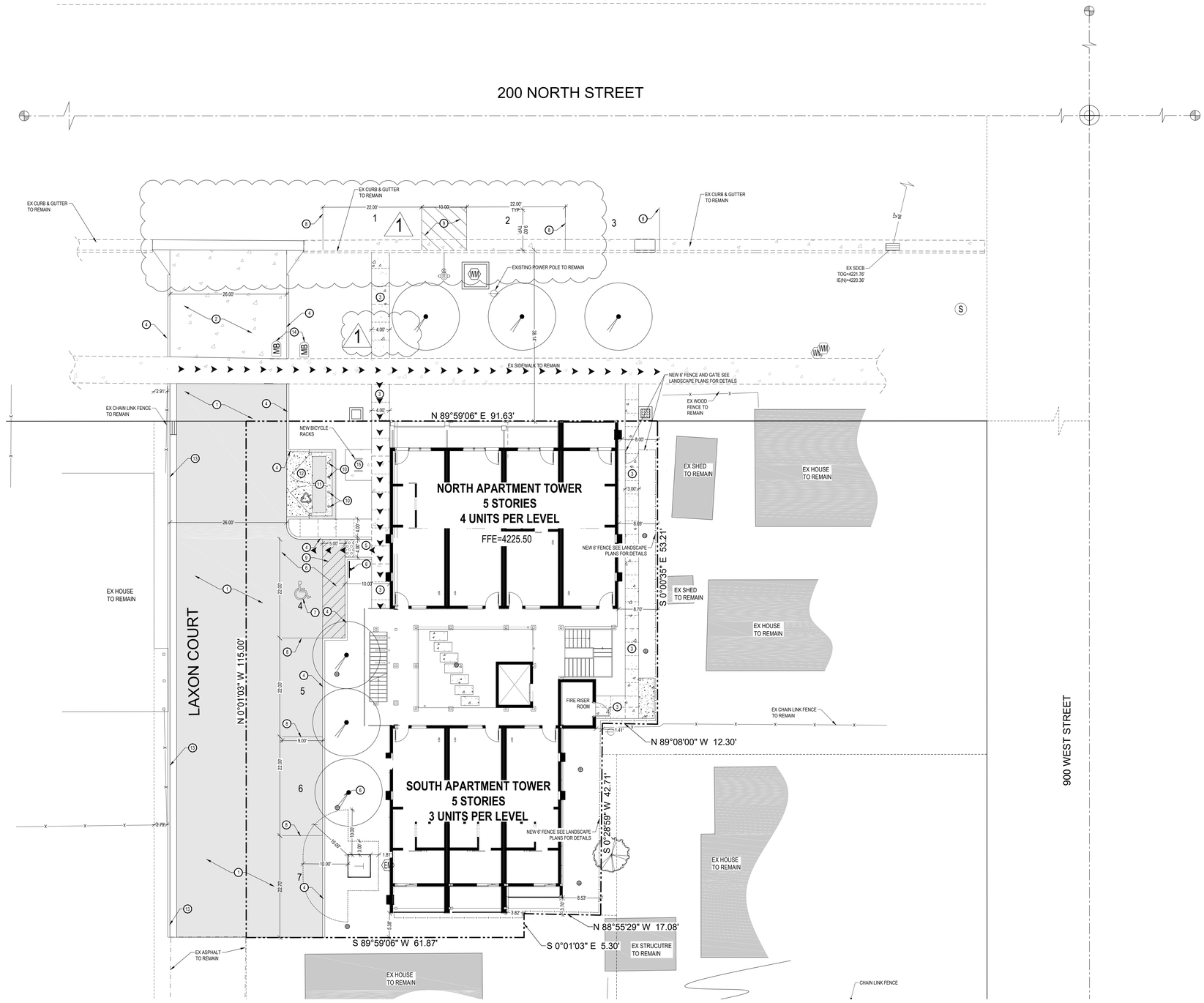
#	Date	Revision
1	8-3-21	City Comments #1

100% CD'S
BID/PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: RJP
DRAWN BY: RJP
DATE: 08/3/2021

DEMO PLAN

C0.10



NORTH

SCALE: 1" = 10'

0 5' 10' 20' 30'

DESCRIPTION	AREA	%
HARDSCAPE	3,074 SQFT	31%
LANDSCAPE	2,073 SQFT	21%
BUILDINGS	4,707 SQFT	48%
TOTAL	9,854 SQFT	100%

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ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.

SEE ARCHITECTURAL SITE PLAN FOR ADDITIONAL INFORMATION.

SEE LANDSCAPE PLANS FOR IRRIGATION AND PLANTING.

ALL WORK TO COMPLY WITH GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.

ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. STANDARD DUTY ASPHALT PAVEMENT WITH GRANULAR BASE PER DETAIL "D1", SHEET C5.01.
2. NEW OPEN DRIVE APPROACH PER APWA STD PLAN 229, SEE DETAIL SHEET C5.01 (1)
3. CONCRETE SIDEWALK, PER APWA PLAN STD PLAN 231 SEE DETAIL SHEET C5.01.
4. CONCRETE CURB WALL. SEE DETAIL "C2", SHEET C5.01.
5. 6' LONG ADA RAMP 1:12 MAX RUNNING SLOPE, 2% MAX CROSS SLOPE WITH DETECTABLE WARNING SURFACE.
6. VAN ACCESSIBLE ADA PARKING STALL AND UNLOADING ZONE INCLUDING VAN ACCESSIBLE SIGN, 2% MAX SLOPE ALL DIRECTIONS IN STALL AND UNLOADING ZONE. SEE DETAIL "D3", SHEET C5.01.
7. PAINTED ADA SYMBOL. SEE DETAIL "D2", SHEET C5.01.
8. 4" WIDE SOLID YELLOW PARKING STALL STRIPE LINES.
9. 4" WIDE SOLID YELLOW PEDESTRIAN STRIPE LINES, 2 FEET ON CETER AT 45 DEGREES FROM THE CURB.
10. BOLLARD. SEE DETAIL "D4", SHEET C5.01.
11. DUMPSTER ENCLOSURE WITH SOLID GATE, COLORS AND MATERIALS TO MATCH BUILDING. SEE ARCHITECTURAL PLANS FOR DETAILS.
12. HEAVY DUTY CONCRETE IN DUMPSTER AREA, 6" CONCRETE OVER 6" ROAD BASE, #4 REBAR 18" O.C. BOTH DIRECTIONS.
13. 24" CURB AND GUTTER PER AWPA STD PLAN 205 TYPE A, SEE DETAIL SHEET C5.01.
14. EXISTING MAILBOX TO BE RELOCATED AS SHOWN.
15. NEW BIKE RACK, 4 SPACES. PER SLC STANDARDS. SEE DETAILS SHEET C5.01 (1)

ACCESSIBLE ROUTE WITH MAXIMUM 1:48 CROSS-SLOPE AND MAXIMUM 1:20 RUNNING-SLOPE.

Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
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PROFESSIONAL ENGINEER
No. 7594446-2202
ROBERT J. POIRIER
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STATE OF UTAH

VILLA NUEVA LLC.
MICRO VILLAS

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#	Date	Revision
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100% CD'S
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NEXUS PROJ. #: 21010
CHECKED BY: Checker
DRAWN BY: Author
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HORIZONTAL CONROL PLAN

C1.01

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NOTICE!

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SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT (IF AVAILABLE). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C2.10 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

ALL ELEVATIONS SHOWN AT TOP AND BOTTOM OF WALL(S), IF ANY, ARE ELEVATIONS AT FINISH GRADE, UNLESS OTHERWISE NOTED.

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. GRADE SITE TO ELEVATIONS AND CONTOURS SHOWN ON PLAN.
2. STORM DRAIN CATCH BASIN WITH HEAVY DUTY BICYCLE SAFE GRATE PER APWA STD PLAN 315.1, SEE DETAIL SHEET C5.02.
3. 2'X2' STORM DRAIN CLEANOUT BOX PER APWA STD PLAN 331, SEE DETAIL SHEET C5.02.
4. 8" HDPE INLINE DRAIN BASIN WITH HEAVY DUTY, PEDESTRIAN SAFE GRATE. SEE DETAIL 'D4', SHEET C5.02.
5. 8" DIAMETER HDPE STORM DRAIN LINE. SEE APWA PLANS NO. 381 & 382 FOR TRENCHING DETAIL.
6. (2) 3" PVC PIPES @ 1% MINIMUM FROM CLEANOUT OUT BOX TO FACE OF CURB. INSTALL NEENAH CURB OUTLET WITH (2) CONNECTIONS TO DAYLIGHT STORM WATER INTO THE GUTTER.
7. 4" HDPE STORM PIPE AT 2% MINIMUM
8. ADA PARKING STALL AND UNLOADING ZONE, 2% MAX SLOPE ALL DIRECTIONS.
9. NEW 8" PERFORATED HDPE PIPE SURROUNDED BY 1' CLEAN WASHED STONE WRAPPED IN MIRIFI DRAINAGE FABRIC, SEE DETAIL 'D5', SHEET C5.02. PERFORATED PIPES WILL DRAIN THE BUBBLE UP SYSTEM TO PREVENT STAGNATING WATER IN THE PIPES.
10. ROOF DRAIN POINT OF CONNECTION. CONNECT 4" HDPE FROM POC TO 8" STORM DRAIN LINE @2% MIN.

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No. 375418-2202
ROBERT J. POIRIER
8-3-21
STATE OF UTAH

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

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COMMON GRADING ABBREVIATIONS:

SEE SHEET C2.01 FOR ADDITIONAL ABBREVIATIONS

- BFE	BASEMENT FLOOR ELEVATION
- BW	FINISH GRADE AT BOTTOM OF WALL
- EX or EXIST	EXISTING
- EOA	EDGE OF ASPHALT
- EOC	EDGE OF CONCRETE
- FFE	FINISH FLOOR ELEVATION
- FG	FINISH GRADE
- FL	FLOW LINE
- GB	GRADE BREAK
- HP	HIGH POINT
- LP	LOW POINT
- NG	NATURAL GROUND
- SDCB	STORM DRAIN CATCH BASIN
- SDCO	STORM DRAIN CLEANOUT BOX
- SDDB	STORM DRAIN DRAIN BASIN
- SDMH	STORM DRAIN MANHOLE
- TBC	TOP BACK OF CURB
- TOA	TOP OF ASPHALT
- TOC	TOP OF CONCRETE
- TOG	TOP OF GRATE
- TOW	TOP OF WALL
- TW	FINISH GRADE AT TOP OF WALL
- WW	WATERWAY

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GRADING AND DRAINAGE PLAN

C2.01

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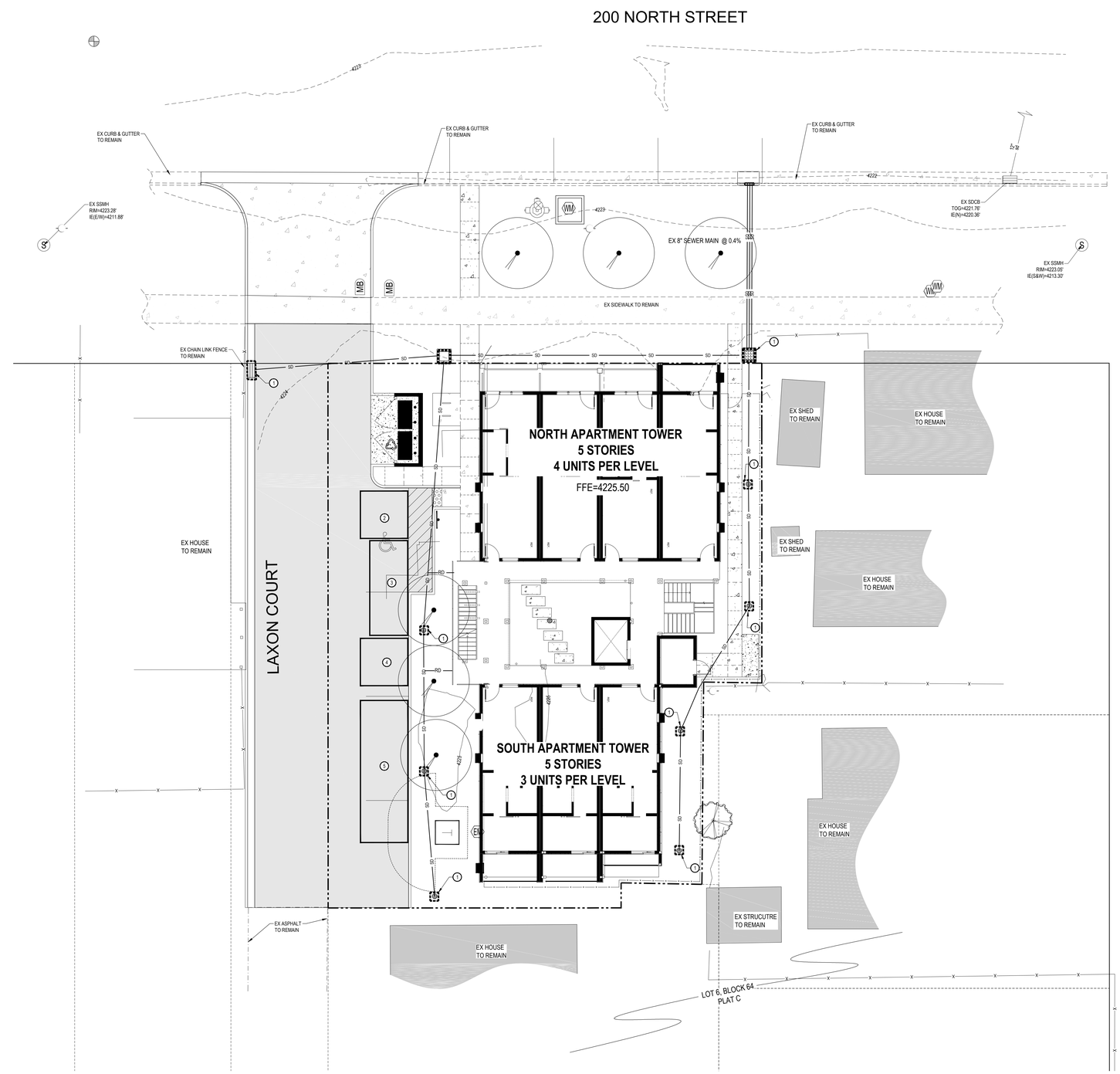

NORTH

SCALE: 1" = 10'

0 5' 10' 20' 30'

GENERAL NOTES:

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS REFERRED TO ON THIS SHEET SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LOCAL AGENCY'S EROSION CONTROL STANDARDS AND SPECIFICATIONS AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE AGENCY HAVING JURISDICTION. ALSO INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATIONS OF ALL EXISTING UTILITIES. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL.

WHEN GRADING OPERATIONS HAVE BEEN COMPLETED AND THE DISTURBED GROUND SHALL BE LEFT "OPEN" FOR 30 DAYS OR MORE THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS OF THE AREA.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

MAINTENANCE:

THE OWNER'S REPRESENTATIVE SHALL MAKE ROUTINE CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIRS OR SEDIMENT REMOVAL IS NECESSARY. DUE TO CONDITIONS THAT MAY ARISE IN THE FIELD, ADDITIONAL CONTROL MAY BE DETERMINED TO BE NECESSARY.

SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT THE LEAST DAILY DURING PROLONGED RAINFALL.

CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCES, END RUNS, AND UNDERCUTTING BENEATH SILT FENCING.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCING SHALL BE ACCOMPLISHED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. INLET PROTECTION AROUND EXISTING OR NEW STORM DRAIN CATCH BASINS OR CURB INLETS. SEE DETAIL 'D1', SHEET C5.03.
2. CONCRETE WASHOUT AREA. CREATE A MIN. 10'X10' AREA WITH A 1' HIGH BERM. LINE AREA WITH PLASTIC. DISCARD WASTE IN DUMPSTER WHEN FULL AND LEGALLY DISPOSE OF. SEE DETAIL 'A1', SHEET C5.03. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
3. CONSTRUCTION DUMPSTER. CHECK LEVEL DAILY. LEGALLY DISPOSE OF WASTE AS NEEDED. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
4. PORTABLE CONSTRUCTION TOILET. TOILET TO BE PROPERLY SECURED TO PREVENT TIPPING. BUILD 6" BERM AROUND TOILET TO CONTAIN ANY SPILLS OR LEAKAGE. CHECK LEVEL DAILY. LEGALLY DISPOSE OF WASTE AS NEEDED. SEE DETAIL 'D5', SHEET C5.03. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
5. MATERIAL STORAGE AND STOCK PILE AREA. SEE DETAIL 'D3', SHEET C5.03. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.

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http://www.archnexus.com

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EROSION CONTROL PLAN

C3.01

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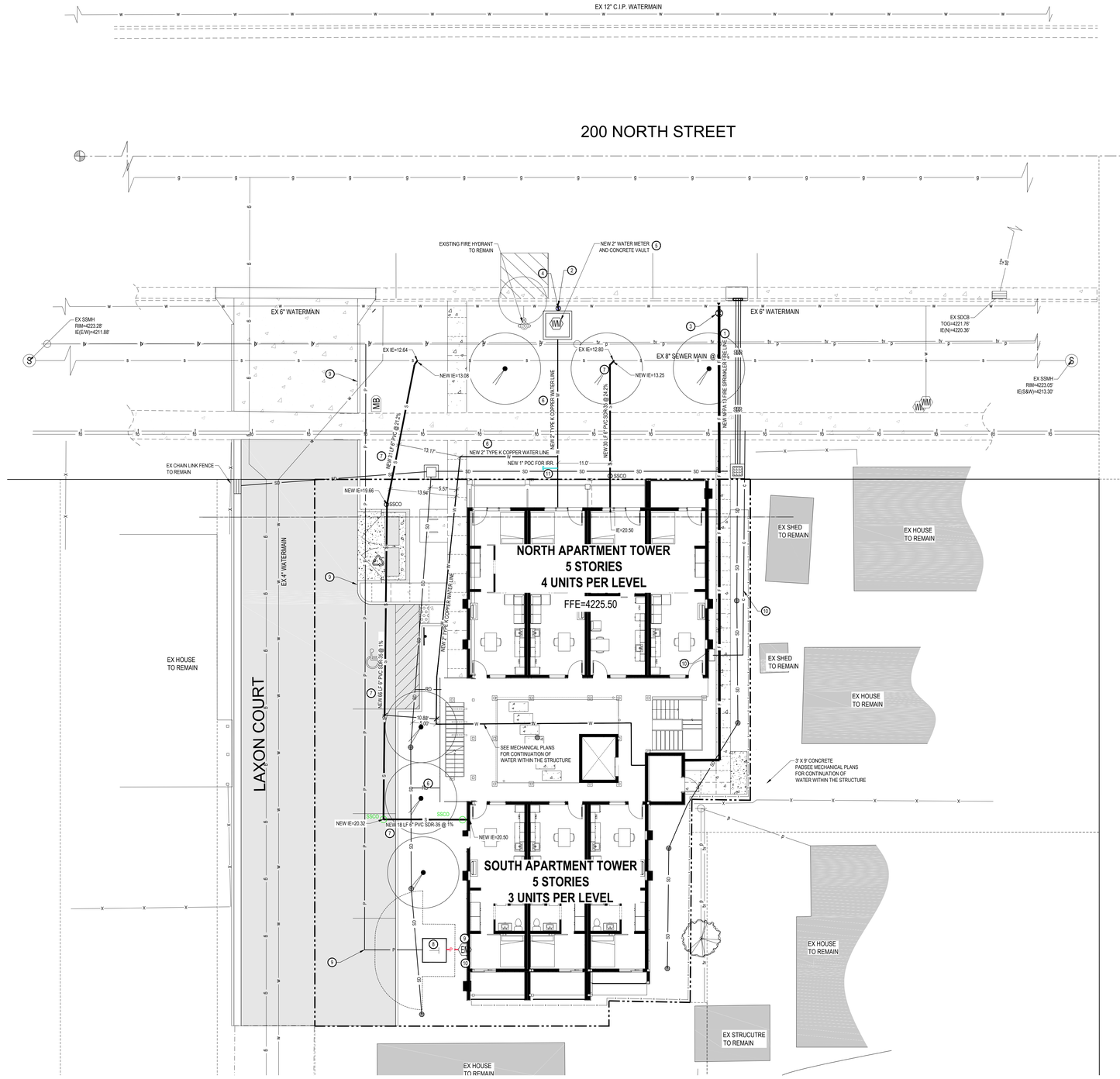

NORTH

SCALE: 1" = 10'

0 5' 10' 20' 30'

SLCPU NOTES

1) POWER COMPANY, GAS COMPANY AND COMMUNICATION COMPANIES ARE RESPONSIBLE FOR SUBMITTING DESIGN PLANS AS REQUIRED BY TITLE 14 CHAPTER 32 OF THE REVISED ORDINANCES OF SALT LAKE CITY FOR ALL PROPOSED WORK FOR THEIR RESPECTIVE UTILITY LINES FOR THIS PROJECT IN OR ADJACENT TO THE CITY ROW OR A PUBLIC UTILITIES ROW. PLAN REVIEWS ARE REQUIRED BY THE PUBLIC UTILITIES DEPT. UTILITY COORDINATOR AND THE CITY ENGINEERING PUBLIC WAY PERMIT PLAN REVIEWER.
2) ALL UTILITY TRENCHING MUST BE PER SLCDPU STANDARD PRACTICE NO. 1."CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS.
3) ALL NEW WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH SALT LAKE PUBLIC UTILITIES STANDARDS & SPECIFICATIONS.
4) ALL NEW SANITARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH SALT LAKE CITY PUBLIC UTILITIES STANDARDS & SPECIFICATIONS.
5) CONTRACTOR IS TO COORDINATE LOCATIONS OF NEW TELEPHONE SERVICE TO BUILDING WITH CENTURY LINK.
6) CONTRACTOR IS TO SUBMIT SITE PLAN TO DOMINION ENERGY FOR DESIGN OF GAS LINE SERVICE TO BUILDING. CONTRACTOR TO COORDINATE WITH DOMINION ENERGY FOR CONTRACTOR LIMITS OF WORK VERSUS DOMINION ENERGY LIMITS.
7) CONTRACTOR IS TO SUBMIT SITE PLAN TO ROCKY MOUNTAIN POWER FOR DESIGN OF ELECTRICAL SERVICE TO BUILDING AND FOR ANY NECESSARY DEMOLITION.
8) LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURE THAT ARE TO REMAIN.
9) A PRE-CONSTRUCTION MEETING WITH PUBLIC UTILITIES INSPECTOR IS REQUIRED PRIOR TO WORK RELATED TO THE WATER MAIN EXTENSION.
10) A PUBLIC RIGHT OF WAY PERMIT OBTAINED FROM THE SALT LAKE CITY ENGINEERING OFFICE (801.535.6396) IS REQUIRED FOR WORK ON CURB, GUTTER, PARK STRIP, ROADWAY, OR ANYWHERE IN PUBLIC WAY. THIS IS A SEPARATE PERMIT FROM THOSE ISSUED BY OTHER MUNICIPAL ENTITIES SUCH AS BUILDING SERVICES, PUBLIC UTILITIES, ETC.'IT MUST BE OBTAINED BY A CONTRACTOR WHO HAS BOND, INSURANCE, AND LICENSE ON FILE WITH THE ENGINEERING OFFICE.
11) SALT LAKE CITY PUBLIC UTILITIES (SLCPU) SHALL APPROVE THE METHOD OF THE AUTOMATIC FIRE SPRINKLER WATER SUPPLY. THE ISSUANCE OR GRANTING OF A PERMIT SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THIS CODE OR OF ANY OTHER ORDINANCES OF THE JURISDICTION. PERMITS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THIS CODE OR OTHER ORDINANCES OF THE JURISDICTION SHALL NOT BE VALID. THE ISSUANCE OF A PERMIT BASED ON CONSTRUCTION DOCUMENTS, OPERATIONAL DOCUMENTS AND OTHER DATA SHALL NOT PREVENT THE SLCPU ENGINEER OR INSPECTOR FROM REQUIRING CORRECTION OF ERRORS IN THE DOCUMENTS OR OTHER DATA, IN ACCORDANCE WITH SLCPU STANDARDS.

GENERAL NOTES:

ENGINEERING AND TRANSPORTATION PERMITS ARE REQUIRED TO WORK IN THE PUBLIC RIGHT -OF-WAY . PLANS, LICENSE, BOND AND INSURANCE IS REQUIRED WITH PERMIT APPLICATION. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL FOLLOW APWA STANDARDS, ENGINEERING PERMIT AND TRANSPORTATION PERMIT REQUIRED TO REMINATE/CAP/KILL ANY EXISTING SERVICES IN THE PUBLIC RIGHT-OF-WAY.

CONTRACTOR IS TO COORDINATE ALL SITE UTILITIES WITH PLUMBING DRAWINGS.

ALL NEW WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.

ALL NEW SANITARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.

CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY SEWER LINES.

FOUR FEET OF COVER IS REQUIRED OVER ALL SEWER LINES.

MAINTAIN A MINIMUM OF 48 INCHES OF COVER ON ALL WATER LINES.

CONTRACTOR IS TO COORDINATE LOCATION AND DESIGN OF NEW COMMUNICATION / DATA FACILITIES TO BUILDING WITH UTILITY PROVIDER.

CONTRACTOR IS TO COORDINATE LOCATION AND DESIGN OF NEW NATURAL GAS FACILITIES TO BUILDING WITH DOMINION ENERGY AND MECHANICAL PLANS.

LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURE THAT ARE TO REMAIN.

UTILITY PROVIDERS:
WATER: WATER PROVIDER
SEWER: SEWER DISTRICT
NATURAL GAS: DOMINION ENERGY
ELECTRICAL POWER: POWER PROVIDER
TELEPHONE: CENTURY LINK

FIRE SUPPLY NOTES:

TOTAL BUILDING SQUARE FOOTAGE=24,000 S.F.
TYPE OF CONSTRUCTION IS III-A
REQUIRED FIRE FLOW PER IFC TABLE B105.1=2250 GPM
REDUCTION FOR NFPA 13 SPRINKLER SYSTEM = 50% THERE REQUIRED FLOW =1125
REQUIRED NUMBER OF FIRE HYDRANTS PER IFC TABLE C105.1=1 HYDRANT
NUMBER OF EXISTING HYDRANTS=1 DIRECTLY IN FRONT OF PROJECT.

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. NFPA 13 FIRE SPRINKLING SYSTEM INCLUDING FDC CONNECTION AT THE BUILDING, ALL FITTINGS AND THRUST BLOCKING. SEE DETAIL SALT LAKE STD PRACTICE 1 FOR TRENCHING, SEE APWA STD PLAN 561 FOR THRUST BLOCKING, SHEET C5.02.
2. CONNECT NEW 2" TYPE 'K' COPPER WATER SERVICE LINE TO EXISTING 4" WATER MAIN, PER APWA PLAN NO. 552, SEE DETAIL SHEET C5.02. TRENCHING PER SLCPU STD PRACTICE #1.
3. GATE VALVE WITH VALVE BOX FOR NFPA 13 FIRE SUPPRESSION SYSTEM. SEE DETAIL 'C5', SHEET C5.02.
4. 2" CORPORATE STOP VALVE, PER APWA PLAN NO. 552, SEE DETAIL SHEET C5.02.
5. 2" WATER SERVICE METER SET, PER APWA PLANS NO. 522 & 505.
6. 2" TYPE 'K' COPPER WATER SERVICE LINE, PER APWA PLAN NO. 552.TRENCHING PER SLCPU STD PRACTICE #1. SEE DETAIL SHEET C5.02.
7. 6" PVC SDR-35 SANITARY SEWER LATERAL, INCLUDING ALL FITTINGS. INSTALL CLEANOUTS AS SHOWN, 100-FOOT MAXIMUM SPACING. SEE APWA PLANS NO. 381 & 382 FOR TRENCHING AND APWA PLAN NO. 431 FOR CLEANOUTS, SHEET C5.02.
8. ELECTRICAL TRANSFORMER. SEE ELECTRICAL PLANS FOR DETAILS.
9. APPROXIMATE LOCATION OF NEW UNDERGROUND POWER SERVICE LINE. CONTRACTOR TO COORDINATE SIZE, DESIGN AND INSTALLATION BY ROCKY MOUNTAIN POWER WITH OTHER CONSTRUCTION.
10. NEW UNDERGROUND COM LINE. CONTRACTOR TO COORDINATE DESIGN AND INSTALLATION BY CENTURY LINE/XFINITY WITH OTHER CONSTRUCTION.
11. 1" PVC STUB AND END CAP FOR CONNECTION TO IRRIGATION SYSTEM. SEE LANDSCAPE PLANS FOR STOP AND WASTE VALVE AND BACK FLOW PREVENTER.

COMMON UTILITY LINE TYPES:

SEE SHEET C0.01 FOR ADDITIONAL LINE TYPES

IRR	PROPOSED IRRIGATION LINE
IR	EXISTING IRRIGATION LINE
F	PROPOSED FIRE LINE
F	EXISTING FIRE LINE
W	PROPOSED WATER LINE
W	EXISTING WATER LINE
S	PROPOSED SANITARY SEWER LINE
S	EXISTING SANITARY SEWER LINE
SD	PROPOSED STORM DRAIN LINE
SD	EXISTING STORM DRAIN LINE
G	PROPOSED NATURAL GAS LINE
G	EXISTING NATURAL LINE
P	PROPOSED POWER LINE
P	EXISTING POWER LINE
C	PROPOSED COMMUNICATIONS LINE
C	EXISTING COMMUNICATIONS LINE
TV	PROPOSED CABLE TELEVISION LINE
TV	EXISTING CABLE TELEVISION LINE
T	PROPOSED TELEPHONE LINE
T	EXISTING TELEPHONE LINE

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UTILITY PLAN

C4.01

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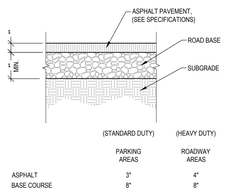


NOTE:
REFER TO SOILS REPORT FOR PROJECT SECTION SOILS REPORT OVERIDES.

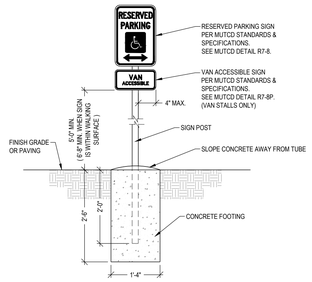
ASPHALTIC PAVEMENT SECTION D1
SCALE: N.T.S.



PAINTED EMBLEM
ON ASPHALT PAVING
TYP. AT ALL ADA
PARKING STALLS PER CITY
REQUIREMENTS. (2 COATS)

NOTE:
SEE SPECIFICATIONS FOR PAINT
TYPE AND COLOR. (2 COATS)

PAINTED ADA SYMBOL D2
SCALE: N.T.S.



ADA PARKING SIGN D3
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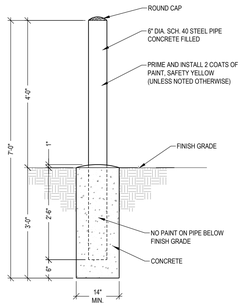

BOLLARD DETAIL D4
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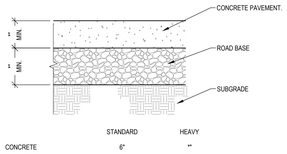

	STANDARD	HEAVY
CONCRETE	6"	**
ROAD BASE	4"	**

NOTE:
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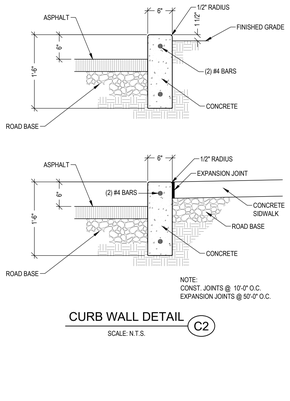
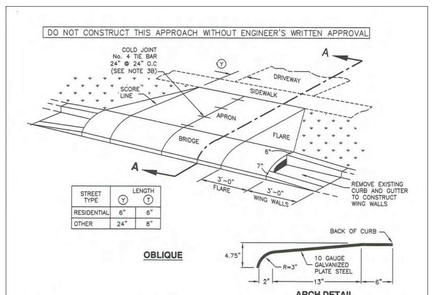
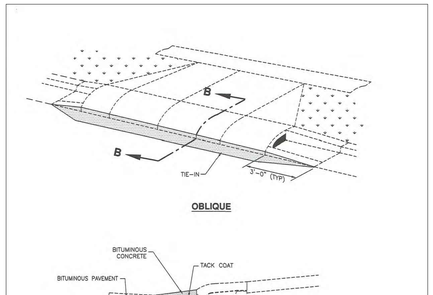
CONCRETE PAVEMENT SECTION C1
SCALE: N.T.S.



NOTE:
CONST. JOINTS @ 10'-0" O.C.
EXPANSION JOINTS @ 50'-0" O.C.

CURB WALL DETAIL C2
SCALE: N.T.S.





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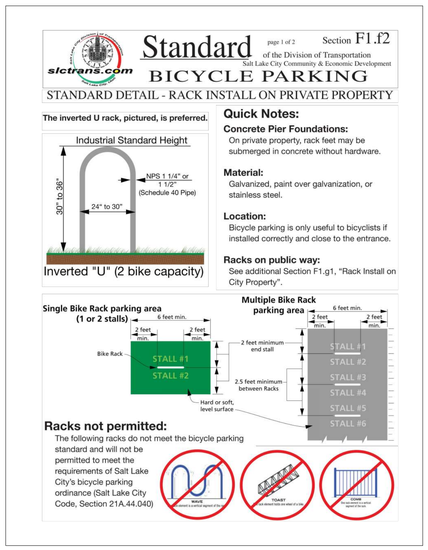

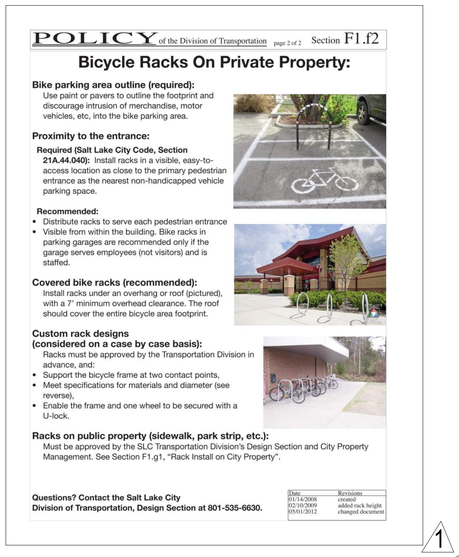

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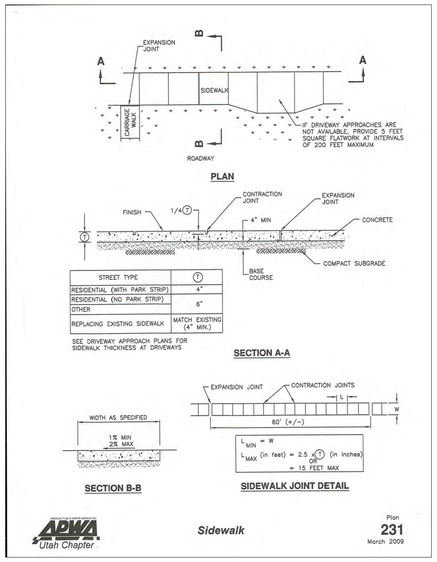

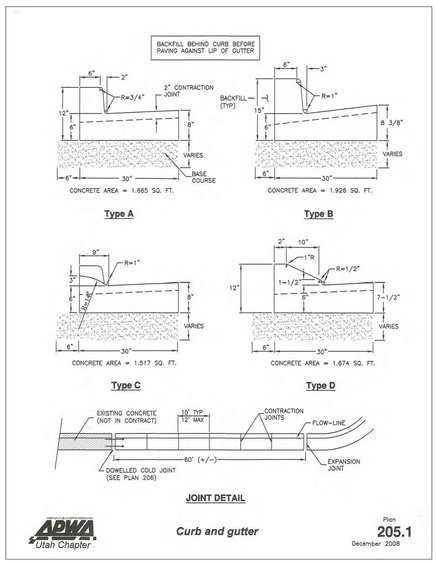

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8-3-21
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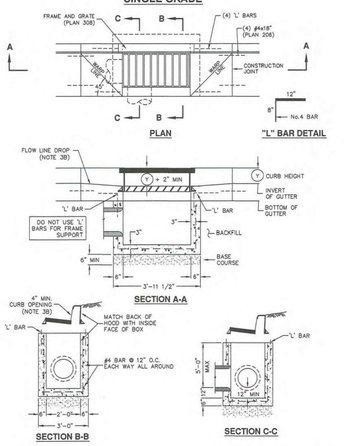
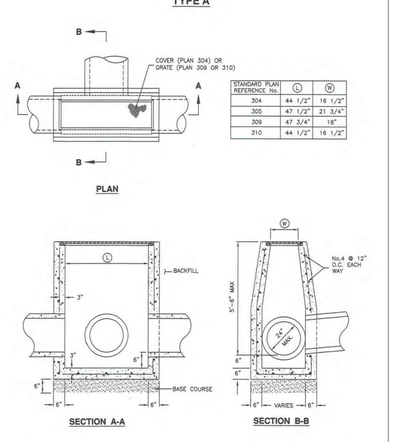
SINGLE GRADE



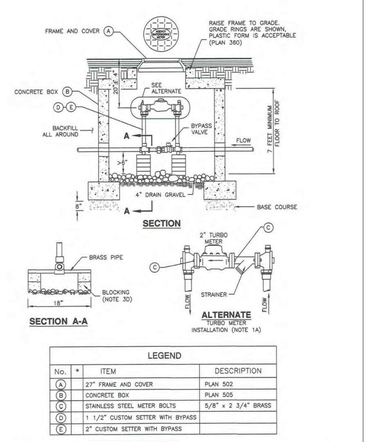
ADWA Utah Chapter — *Catch basin* — Plan 315.1 — September 2010

TYPE A



STANDARD PLAN REFERENCE No.	L	W
304	44 1/2"	16 1/2"
305	47 1/2"	21 3/4"
309	47 3/4"	16"
310	44 1/2"	16 1/2"

ADWA Utah Chapter — *Cleanout box* — Plan 331.1 — April 2010



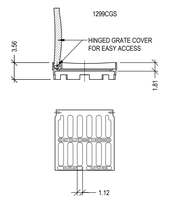
LEGEND			
No.	*	ITEM	DESCRIPTION
A		27" FRAME AND COVER	PLAN 502
B		CONCRETE BOX	PLAN 505
C		STAINLESS STEEL METER BOLTS	5/8" x 2 3/4" BRASS
D		1 1/2" CUSTOM SETTER WITH BYPASS	
E		2" CUSTOM SETTER WITH BYPASS	

* FURNISHED BY UTILITY AGENCY

ADWA Utah Chapter — *1 1/2" and 2" meter* — Plan 522 — August 2001

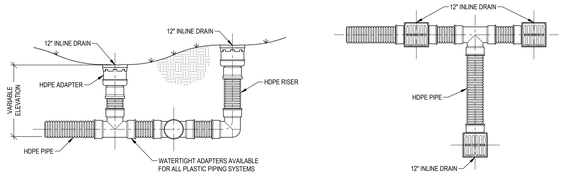
NYLOPLAST 12" GRATES/COVERS

STANDARD GRATE MEETS H-20 LOAD RATING.
PEDESTRIAN GRATE MEETS H-10 LOAD RATING.
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05 & A48-CLASS 30B.
MATERIAL: DUCTILE IRON GRATE W/CAST IRON FRAME.
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
LOCKING DEVICE AVAILABLE UPON REQUEST.



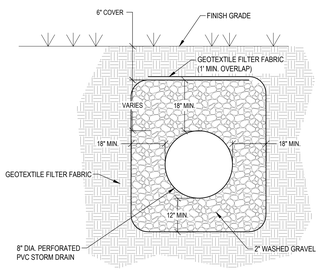
STANDARD GRATE
APPROX. DRAIN AREA = 80.62 SQ. IN.
APPROX. WEIGHT WITH FRAME = 40.68 LBS.

PEDESTRIAN GRATE
APPROX. DRAIN AREA = 50.80 SQ. IN.
APPROX. WEIGHT WITH FRAME = 35.04 LBS.



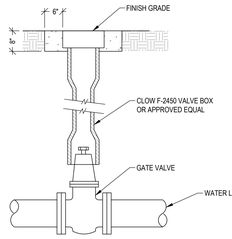
HDPE INLINE DRAIN DETAIL D4

SCALE: N.T.S.



8" PERFORATED PIPE DETAIL D5

SCALE: N.T.S.



TYPICAL GATE VALVE DETAIL C5

SCALE: N.T.S.

Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
http://www.archnexus.com

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MICRO VILLAS

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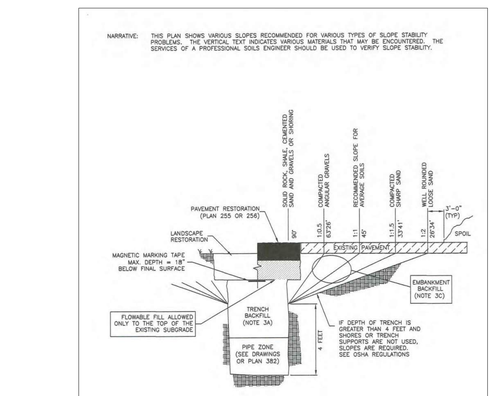
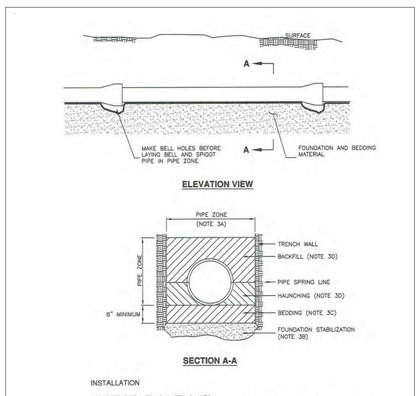
TYPICAL GATE VALVE DETAIL C5

SCALE: N.T.S.



ADWA Utah Chapter — *Trench backfill* — Plan 381 — July 2016



INSTALLATION

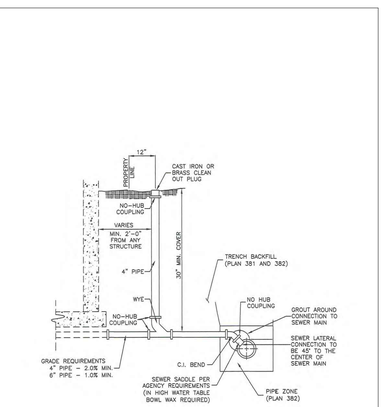
CONCRETE PIPE: FOLLOW ASTM C 1479
"STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPE USING STANDARD INSTALLATIONS."

PLASTIC PIPE: FOLLOW ASTM D 2321
"STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS"

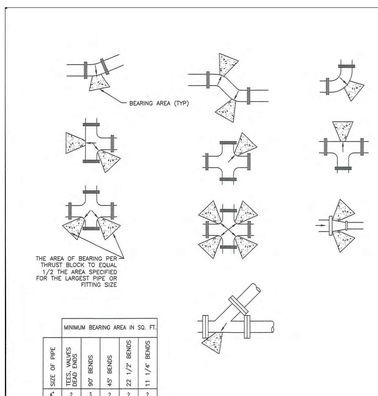
CORRUGATED METAL PIPE: FOLLOW ASTM A 798
"STANDARD PRACTICE FOR INSTALLING FACTORY-MADE CORRUGATED STEEL PIPE FOR SEWERS AND OTHER APPLICATIONS."

VITRIFIED CLAY PIPE: FOLLOW ASTM C 12
"STANDARD RECOMMENDED PRACTICE FOR INSTALLING VITRIFIED CLAY PIPE LINES."

ADWA Utah Chapter — *Pipe zone backfill* — Plan 382 — January 2011

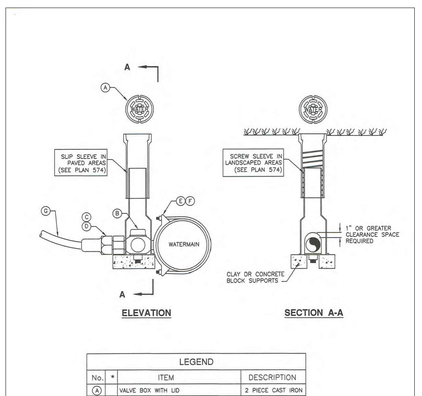


ADWA Utah Chapter — *Sewer lateral connection* — Plan 431 — January 2011



SIZE OF PIPE	MINIMUM BEARING AREA IN SQ. FT. TEES, VALVES AND DEAD ENDS	90° BENDS	45° BENDS	22 1/2° BENDS	11 1/4° BENDS
4"	2	3	2	3	2
6"	4	5.5	3	3.5	2
8"	6.5	9.5	5	2.75	2.5
12"	14	20	11	5.5	3
14"	19	26.5	14.5	7.5	4
16"	24	34	18.5	9.5	5
20"	37	52	28.5	14.5	9
24"	53	74	41	21	12
30"	81	114	62	32	16

ADWA Utah Chapter — *Direct bearing thrust block* — Plan 561 — August 2010



LEGEND			
No.	*	ITEM	DESCRIPTION
A		VALVE BOX WITH LID	2 PIECE CAST IRON
B		CORPORATION STOP	BRASS
C		COPPER ADAPTER	
D		FLARE OR PACK JOINT COPPER ADAPTER	
E		SERVICE SADDLE CLAMP	D.I., A.C., C.I.
F		SERVICE SADDLE CLAMP	P.V.C.
G		COPPER PIPE (SERVICE LINE)	TYPE K (SOFT)

* FURNISHED BY UTILITY AGENCY

ADWA Utah Chapter — *1 1/2" and 2" Service taps* — Plan 552 — August 2001

#	Date	Revision

100% CD'S
BID/PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: Checker
DRAWN BY: Author
DATE: 05/21/2021

CIVIL
DETAILS 2

C5.02

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NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

6 5 4 3 2 1

FILTERSOCK SPECIFICATION:

FILTREXX FILTERSOCK INSTALLATION AND MAINTENANCE

1.0 DESCRIPTION:
THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND DISPERSING (IF NEEDED) A WATER PERMEABLE COMPOST FILTER SOCK (FILTREXX FILTERSOCK) TO CONTAIN SOIL EROSION AND SEDIMENT BY REMOVING SOIL PARTICLES FROM WATER MOVING OFF SITE INTO ADJACENT WATERWAYS OR STORM WATER DRAINAGE SYSTEMS. FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION FOR OPERATIONAL STORM DRAINAGE SYSTEMS.

2.0 COMPOST PRODUCTS USED TO FILL FILTREXX FILTERSOCKS
1. COMPOST: COMPOST USED FOR FILTREXX FILTERSOCKS SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS, INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC GUIDELINES FOR LABORATORY PROCEDURES:

A. PH - 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS FOR COMPOST"
B. PARTICLE SIZE - 99% PASSING A 1" SIEVE, 90% PASSING A 1/2" SIEVE AND A MINIMUM OF 70% GREATER THAN THE 3/8" SIEVE. A TOTAL OF 98 % SHALL NOT EXCEED 3 INCHES IN LENGTH, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION"
C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.
D. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.
E. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

3.0 CONSTRUCTION AND INSTALLATION OF FILTREXX FILTERSOCKS:
1. FILTREXX FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION ON CONSTRUCTION SITES WHICH REQUIRE PROTECTION AGAINST SEDIMENT LADEN WATER AFTER STORM DRAINS BECOME OPERATIONAL.
2. FILTREXX FILTERSOCKS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER. FILTERSOCKS SHOULD BE INSTALLED IN A PATTERN THAT ALLOWS COMPLETE PROTECTION OF THE INLET AREA
3. INSTALLATION OF FILTREXX FILTERSOCKS WILL ENSURE A MINIMAL OVERLAP OF AT LEAST ONE FOOT ON EITHER SIDE OF THE OPENING BEING PROTECTED. THE FILTERSOCKS WILL BE ANCHORED TO THE SOIL BEHIND THE CURB USING STAPLES, STAKES OR OTHER DEVICES CAPABLE OF HOLDING THE FILTERSOCK IN PLACE.
4. STANDARD SIZES OF FILTERSOCKS FOR INLET PROTECTION WILL BE 8" DIAMETER PRODUCTS. IN SEVERE FLOW SITUATIONS, LARGER FILTERSOCKS MAY BE RECOMMENDED BY THE ENGINEER.
5. FILTERSOCKS SHALL BE CONSTRUCTED OF A WOVEN MATERIAL AND FILLED WITH A COMPOST PRODUCT THAT PASSES THE CRITERIA LISTED IN SECTION 2.
6. IF THE FILTERSOCKS BECOME CLOGGED WITH DEBRIS AND SEDIMENT, THEY SHALL BE MAINTAINED SO AS TO ASSURE A PROPER DRAINAGE AND WATER FLOW INTO THE STORM DRAIN. IN SEVERE STORM EVENTS, OVERFLOW OF THE FILTERSOCK MAY BE ACCEPTABLE IN ORDER TO KEEP THE AREA FROM FLOODING.
7. THE FILTERSOCKS SHALL BE POSITIONED SO AS TO PROVIDE COMPLETE PHYSICAL BARRIER TO THE DRAIN ITSELF, ALLOWING SEDIMENT TO COLLECT ON THE OUTSIDE OF THE FILTERSOCKS. SEE BELOW SCHEMATIC FOR FILTREXX FILTERSOCK INSTALLATION.
8. FOR AREAS WHERE FILTERSOCKS ARE TO BE LEFT AS A PERMANENT PART OF THE LANDSCAPE, FILTERSOCKS MAY BE SEEDED DURING TIME OF MANUFACTURE TO CREATE A LIVING SOCK. FOR SEEDING OPTIONS, THE ENGINEER MAY SIMPLY REPLACE ALL LANGUAGE ABOVE WITH "LIVING FILTREXX FILTERSOCKS"

4.0 MAINTENANCE:
1. THE CONTRACTOR SHALL MAINTAIN FILTREXX FILTERSOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. WHERE THE FILTERSOCK REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTERSOCK WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE FILTERSOCK, OR AS DIRECTED BY THE ENGINEER.
4. THE FILTREXX FILTERSOCK WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER. THE NETTING MATERIAL WILL BE DISPOSED OF IN NORMAL TRASH CONTAINERS OR REMOVED BY THE CONTRACTOR.
5. REGULAR MAINTENANCE INCLUDES LIFTING THE FILTREXX FILTERSOCKS AND CLEANING UNDER THEM AS SEDIMENT COLLECTS.

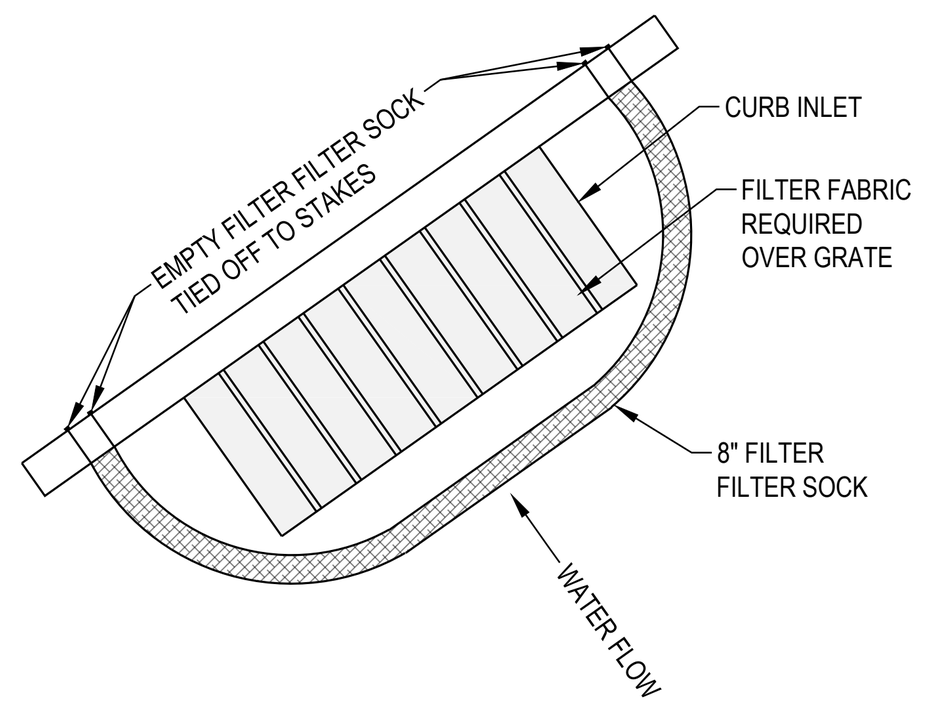
5.0 METHOD OF MEASUREMENT:
BID ITEMS SHALL SHOW MEASUREMENT AS `FILTREXX FILTERSOCK' PER LINEAR FOOT, INSTALLED OR PER INLET, AS SPECIFIED BY THE ENGINEER.

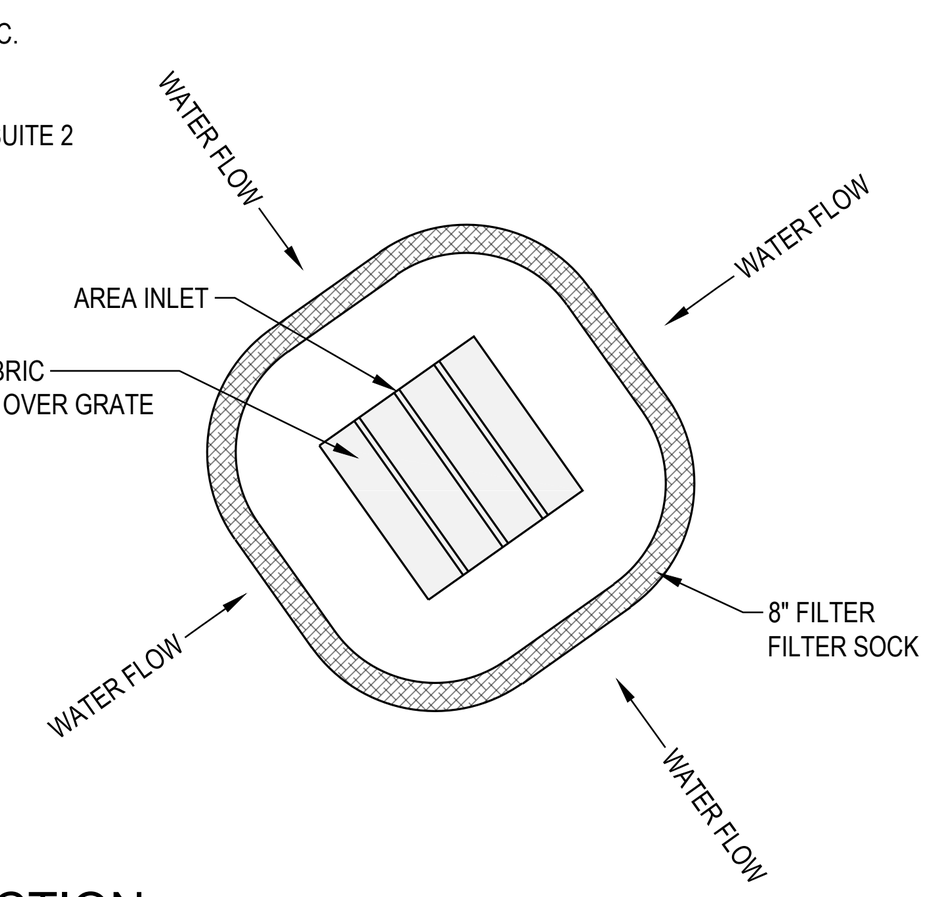
6.0 PERFORMANCE:
1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A WORKING EROSION CONTROL SYSTEM AND MAY, WITH APPROVAL OF THE ENGINEER, WORK OUTSIDE THE MINIMUM CONSTRUCTION REQUIREMENTS AS NEEDED.
2. WHERE THE FILTERSOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

7.0 APPLICATION GUIDELINES:
1. FILTREXX FILTERSOCKS SHALL EITHER BE MADE ON SITE OR DELIVERED TO THE JOBSITE USING A 3 MIL TUBULAR HDPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS AS OUTLINED IN 2.0.
2. FILTREXX FILTERSOCKS NETTING MATERIALS ARE AVAILABLE ONLY FROM FILTREXX INTERNATIONAL, LLC AND ARE THE ONLY CERTIFIED MESH MATERIALS ACCEPTED IN CREATING FILTREXX PRODUCTS ON SITE OR AS DELIVERED TO THE JOB SITE. STANDARD FILTREXX COLOR CODING SYSTEMS INCLUDE YELLOW AND BLACK STRIPED MESH NETTING WITH 3/8" MESH OPENINGS FOR INLET PROTECTION. OTHER COLORS ARE ONLY ACCEPTABLE AS APPROVED BY BOTH THE ENGINEER AND FILTREXX INTERNATIONAL, LLC.
3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

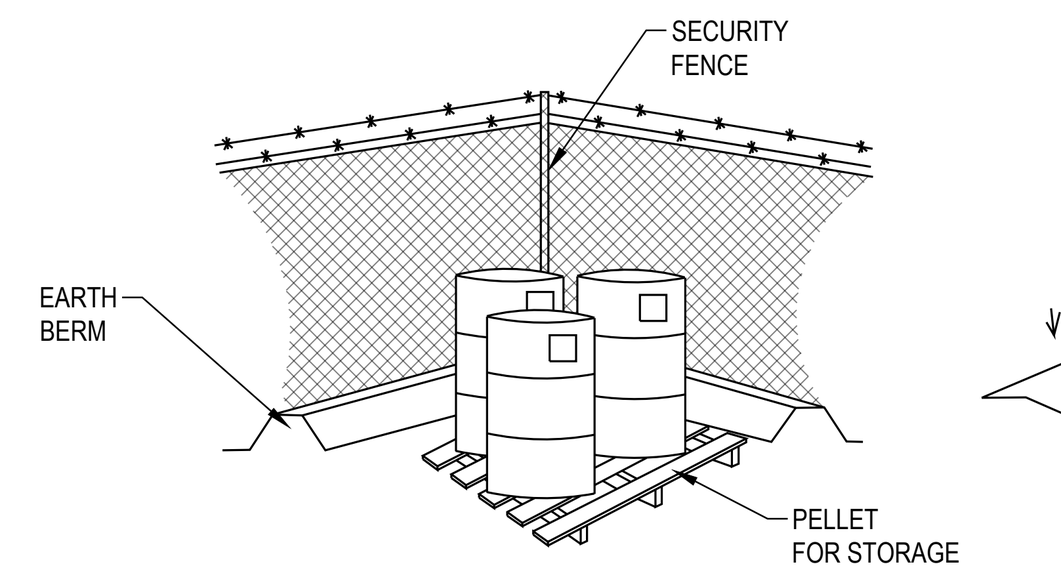
8.0 AVAILABLE VENDORS FILTREXX FILTERSOCKS MAY BE PURCHASED FROM THE FOLLOWING CERTIFIED FILTREXX INSTALLERS:

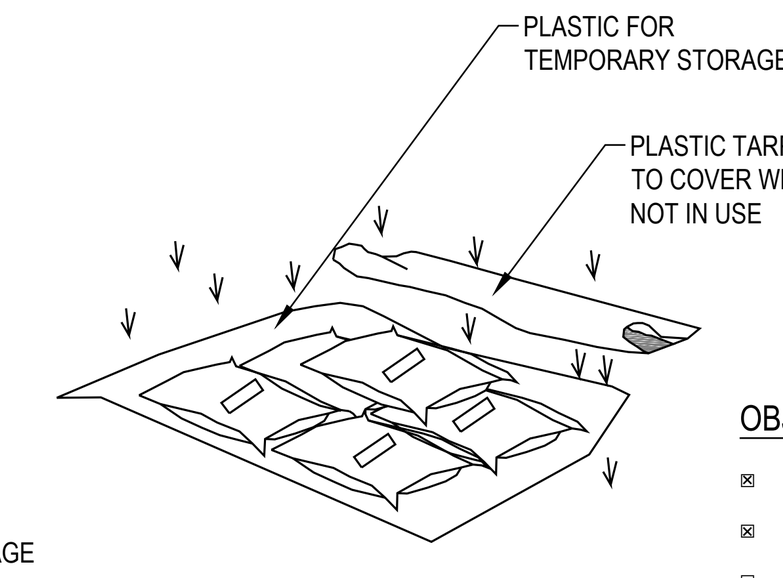
WINDSWEPT ORGANIX INC.
WORK: 480-963-4638
FAX: 408-940-4261
850 SOUTH BOGLE AVE, SUITE 2
CHANDLER, AZ 85225





SEDIMENT BARRIER / FILTER SOCK PROTECTION (D1)
SCALE: N.T.S. Ⓒ REPLENISH





- CONTROLLED STORAGE LOCATION
- BERMED PERIMETER IMPOUNDMENT
- STORAGE OFF GROUND
- COVER WHEN NOT IN USE

DESCRIPTION:
CONTROLLED STORAGE OF ON-SITE MATERIALS.

APPLICATIONS:
- STORAGE OF HAZARDOUS, TOXIC, AND ALL CHEMICAL SUBSTANCES.
- ANY CONSTRUCTION SITE WITH OUTSIDE STORAGE OF MATERIALS.

INSTALLATION/APPLICATION CRITERIA:
- DESIGNATE A SECURED AREA WITH LIMITED ACCESS AS THE STORAGE LOCATION. ENSURE NO WATERWAYS OR DRAINAGE PATHS ARE NEARBY.
- CONSTRUCT COMPACTED EARTHEN BERM (SEE EARTH BERM BARRIER INFORMATION SHEET), OR SIMILAR PERIMETER CONTAINMENT AROUND STORAGE LOCATION FOR IMPOUNDMENT IN THE CASE OF SPILLS.
- ENSURE ALL ON-SITE PERSONNEL UTILIZE DESIGNATED STORAGE AREA. DO NOT STORE EXCESSIVE AMOUNTS OF MATERIAL THAT WILL NOT BE UTILIZED ON SITE.
- FOR ACTIVE USE OF MATERIAL AWAY FROM THE STORAGE AREA ENSURE MATERIALS ARE NOT SET DIRECTLY ON THE GROUND AND ARE COVERED WHEN NOT IN USE. PROTECT STORM DRAINAGE DURING USE.

LIMITATIONS:
- DOES NOT PREVENT CONTAMINATION DUE TO MISHANDLING OF PRODUCTS.
- SPILL PREVENTION AND RESPONSE PLAN STILL REQUIRED.
- ONLY EFFECTIVE IF MATERIALS ARE ACTIVELY STORED IN CONTROLLED LOCATION.

MAINTENANCE:
- INSPECT DAILY AND REPAIR ANY DAMAGE TO PERIMETER IMPOUNDMENT OR SECURITY FENCING.
- CHECK MATERIALS ARE BEING CORRECTLY STORED (I.E. STANDING UPRIGHT, IN LABELED CONTAINERS, TIGHTLY CAPPED) AND THAT NO MATERIALS ARE BEING STORED AWAY FROM THE DESIGNATED LOCATION.

OBJECTIVES
- ⊠ HOUSEKEEPING PRACTICES
- ⊠ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

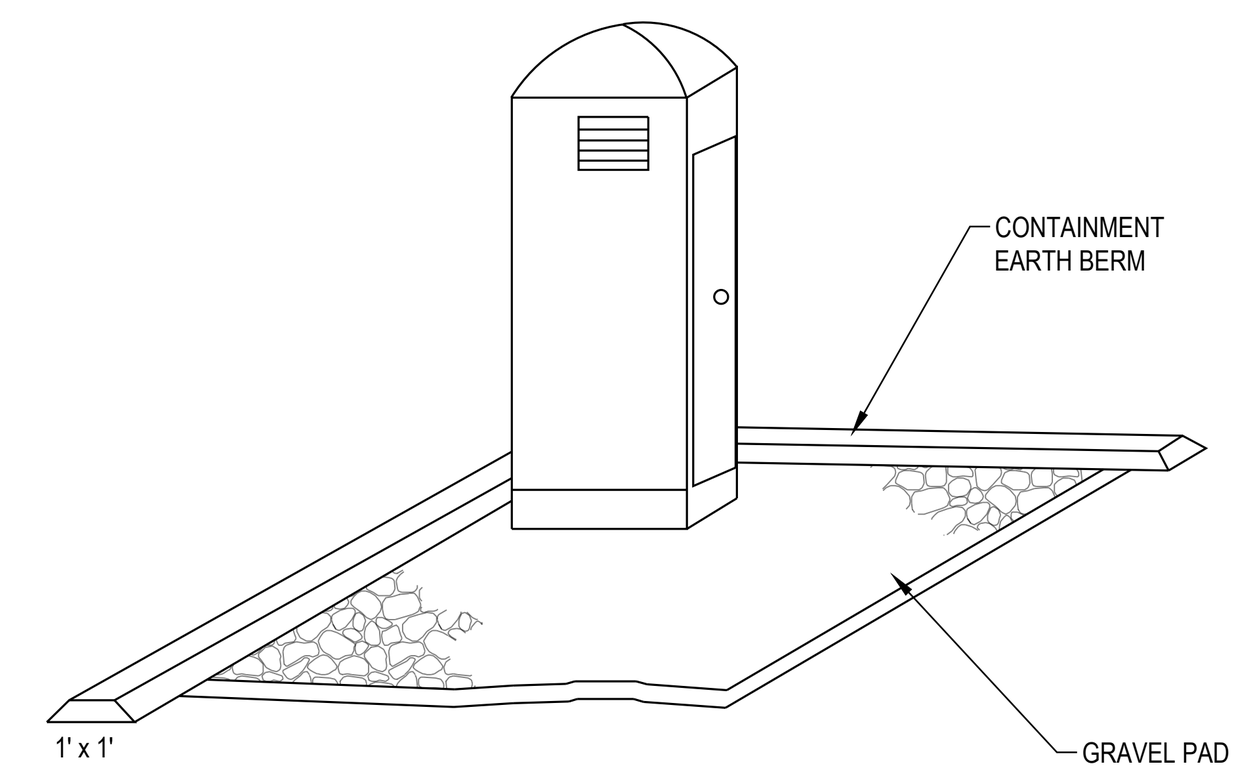
TARGETED POLLUTANTS
- □ SEDIMENT
- □ NUTRIENTS
- ■ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- ⊠ OTHER WASTE

- ■ HIGH IMPACT
- ⊠ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ⊠ CAPITAL COSTS
- ⊠ O & M COSTS
- ⊠ MAINTENANCE
- ■ TRAINING

■ HIGH ⊠ MEDIUM □ LOW

MATERIALS STORAGE (D3)
SCALE: N.T.S.



DESCRIPTION:
TEMPORARY ON-SITE SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL.

APPLICATIONS:
- ALL SITES WITH NO PERMANENT SANITARY FACILITIES OR WHERE PERMANENT FACILITY IS TO FAR FROM ACTIVITIES.

INSTALLATION/APPLICATION CRITERIA:
- LOCATE PORTABLE TOILETS IN CONVENIENT LOCATIONS THROUGHOUT THE SITE.
- PREPARE LEVEL, GRAVEL SURFACE AND PROVIDE CLEAR ACCESS TO THE TOILETS FOR SERVICING AND FOR ON-SITE PERSONNEL.
- CONSTRUCT EARTH BERM PERIMETER (SEE EARTH BERM BARRIER INFORMATION SHEET), CONTROL FOR SPILL/PROTECTION LEAK.

LIMITATIONS:
- NO LIMITATIONS

MAINTENANCE:
- PORTABLE TOILETS SHOULD BE MAINTAINED IN GOOD WORKING ORDER BY LICENSED SERVICE WITH DAILY OBSERVATION FOR LEAK DETECTION.
- REGULAR WASTE COLLECTION SHOULD BE ARRANGED WITH LICENSED SERVICE.
- ALL WASTE SHOULD BE DEPOSITED IN SANITARY SEWER SYSTEM FOR TREATMENT WITH APPROPRIATE AGENCY APPROVAL.

OBJECTIVES
- ⊠ HOUSEKEEPING PRACTICES
- ⊠ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

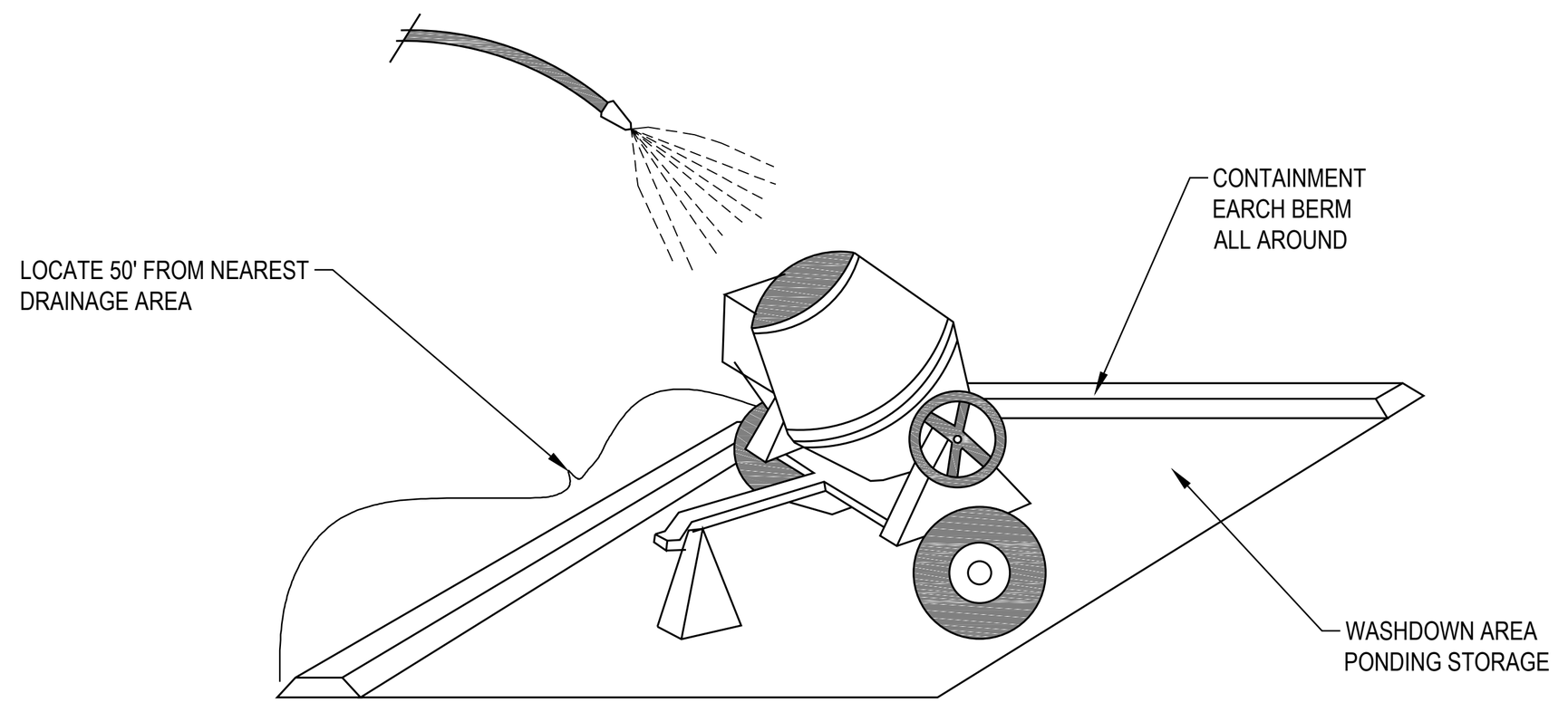
TARGETED POLLUTANTS
- □ SEDIMENT
- □ NUTRIENTS
- □ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- ■ OTHER WASTE

- ■ HIGH IMPACT
- ⊠ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ⊠ CAPITAL COSTS
- ⊠ O & M COSTS
- ⊠ MAINTENANCE
- □ TRAINING

■ HIGH ⊠ MEDIUM □ LOW

PORTABLE TOILETS (D5)
SCALE: N.T.S.



DESCRIPTION:
PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE, PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

APPLICATIONS:
- THIS TECHNIQUE IS APPLICABLE TO ALL TYPES OF SITES.

INSTALLATION/APPLICATION CRITERIA:
- STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.
- AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.
- PERFORM WASHOUT OF CONCRETE TRUCKS OFF-SITE OR IN DESIGNATED AREAS ONLY.
- DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED AREAS.
- WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE, AVOID CREATING RUNOFF BY DRAINING THE WATER WITHIN A BERMED OR LEVEL AREA (SEE EARTH BERM BARRIER INFORMATION SHEET.)
- TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETE WASTE MANAGEMENT.

LIMITATIONS:
- OFF-SITE WASHOUT OF CONCRETE WASTES MAY NOT ALWAYS BE POSSIBLE.

MAINTENANCE:
- INSPECT SUBCONTRACTORS T ENSURE THAT CONCRETE WASTES ARE BEING PROPERLY MANAGED.
- IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS.

OBJECTIVES
- □ HOUSEKEEPING PRACTICES
- ⊠ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

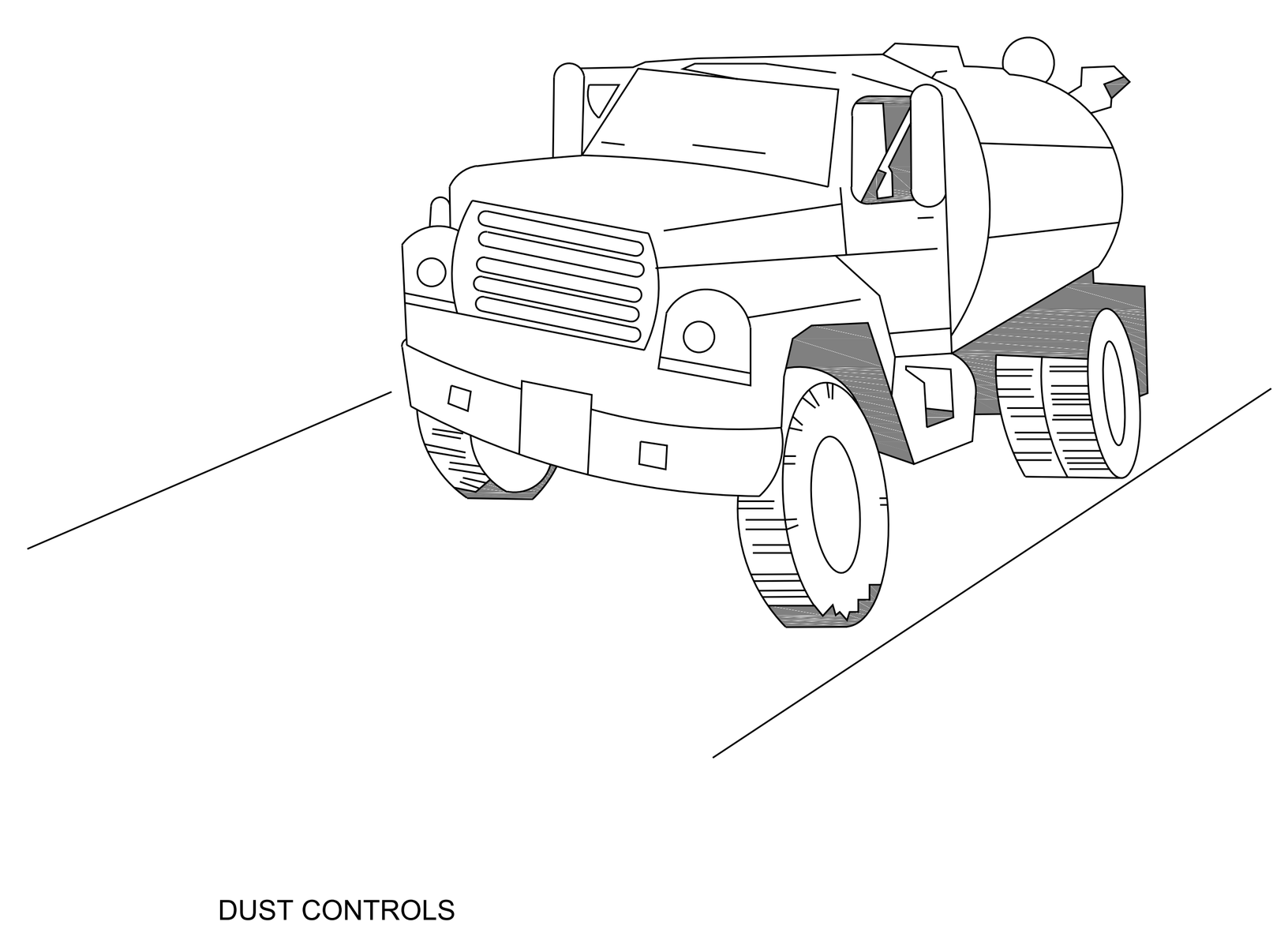
TARGETED POLLUTANTS
- □ SEDIMENT
- □ NUTRIENTS
- □ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- ⊠ OTHER WASTE

- ■ HIGH IMPACT
- ⊠ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- □ CAPITAL COSTS
- □ O & M COSTS
- ⊠ MAINTENANCE
- ⊠ TRAINING

■ HIGH ⊠ MEDIUM □ LOW

CONCRETE WASTE MANAGEMENT (A1)
SCALE: N.T.S.



DUST CONTROLS

1.0 DESCRIPTION:
DUST CONTROL MEASURES ARE USED TO STABILIZE SOIL FROM WIND EROSION, AND REDUCE DUST BY CONSTRUCTION ACTIVITIES.

2.0 APPLICATION:
1. DUST CONTROL IS USEFUL IN ANY PROCESS AREA, LOADING AND UNLOADING AREA, MATERIAL HANDLING AREAS, AND TRANSFER AREAS WHERE DUST IS GENERATED. STREET SWEEPING IS LIMITED TO AREAS THAT ARE PAVED.

3.0 INSTALLATION/APPLICATION CRITERIA:
1. MECHANICAL DUST COLLECTION SYSTEMS ARE DESIGNED ACCORDING TO THE SIZE OF DUST PARTICLES AND THE AMOUNT OF AIR TO BE PROCESSED. MANUFACTURERS RECOMMENDATIONS SHOULD BE FOLLOWED FOR INSTALLATION (AS WELL AS THE DESIGN OF THE EQUIPMENT).
2. TWO KINDS OF STREET SWEEPERS ARE COMMON: BRUSH AND VACUUM. VACUUM SWEEPERS ARE MORE EFFICIENT AND WORK BEST WHEN THE AREA IS DRY.
3. MECHANICAL EQUIPMENT SHOULD BE OPERATED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND SHOULD BE INSPECTED REGULARLY.

4.0 LIMITATIONS:
1. IS GENERALLY MORE EXPENSIVE THAN MANUAL SYSTEMS.
2. MAY BE IMPOSSIBLE TO MAINTAIN BY PLANT PERSONNEL (THE MORE ELABORATE EQUIPMENT).
3. IS LABOR AND EQUIPMENT INTENSIVE AND MAY NOT BE EFFECTIVE FOR ALL POLLUTANTS (STREET SWEEPERS).

5.0 MAINTENANCE:
1. IF WATER SPRAYER ARE USED, DUST-CONTAMINATED WATERS SHOULD BE COLLECTED AND TAKEN FOR TREATMENT. AREAS WILL PROBABLY NEED TO BE RESPRAYED TO KEEP DUST FROM SPREADING.

OBJECTIVES
- ⊠ HOUSEKEEPING PRACTICES
- □ CONTAIN WASTE
- ⊠ MINIMIZE DISTURBED AREA
- ⊠ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

TARGETED POLLUTANTS
- ■ SEDIMENT
- □ NUTRIENTS
- □ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- □ OTHER WASTE

- ■ HIGH IMPACT
- ⊠ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ⊠ CAPITAL COSTS
- □ O & M COSTS
- ⊠ MAINTENANCE
- ⊠ TRAINING

■ HIGH ⊠ MEDIUM □ LOW

DUST CONTROLS (A3)
SCALE: N.T.S.

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Blue Stakes of UTAH811 Bluestakes.org

NOTICE!
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
http://www.archnexus.com

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PROFESSIONAL ENGINEER No. 375413-2202 ROBERT J. POIRIER 5-21-21 STATE OF UTAH

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#	Date	Revision

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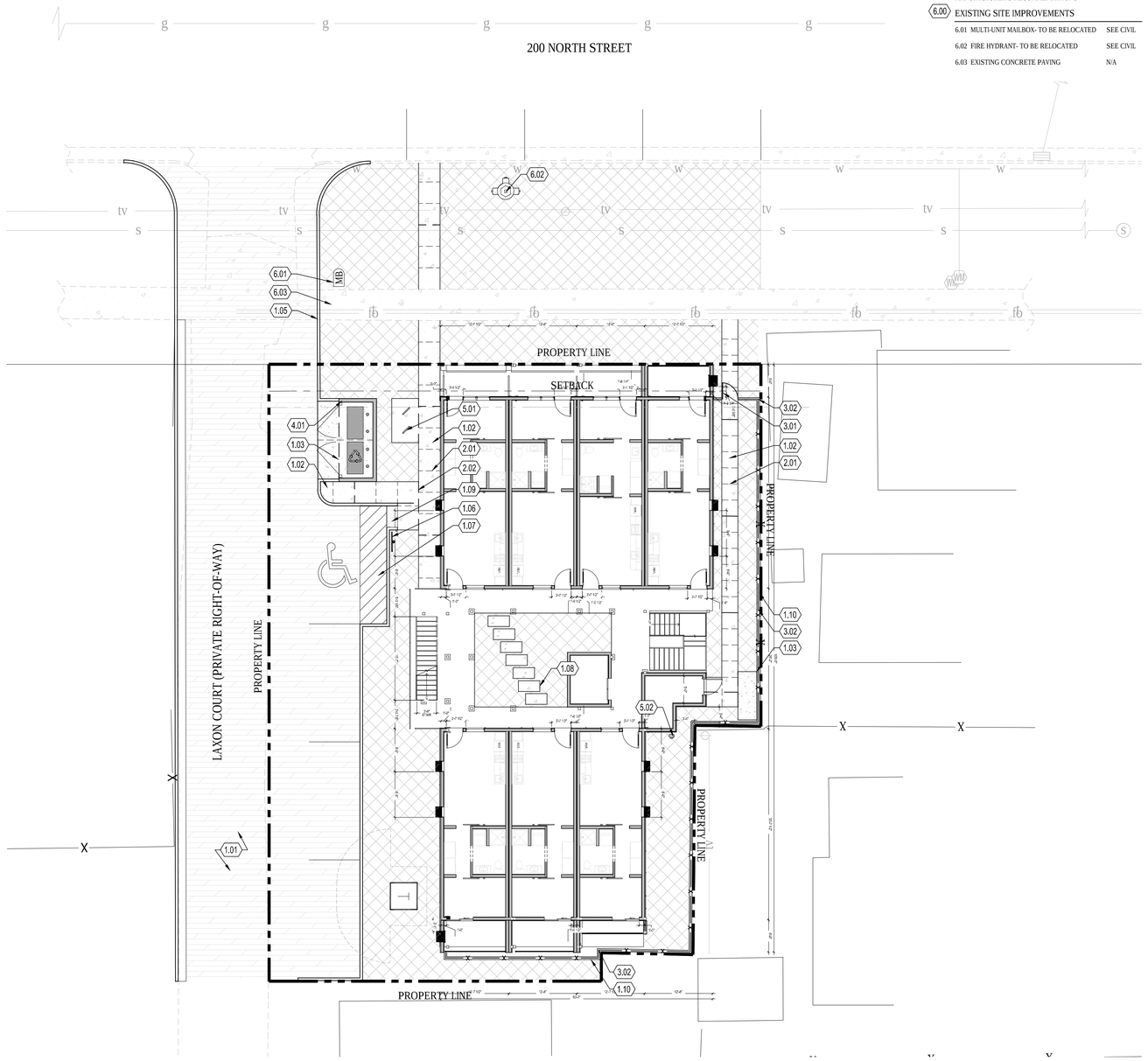
DRAWN BY: Author
DATE: 05/21/2021

CIVIL DETAILS 3

C5.03



MATERIALS LEGEND

		DETAIL
	PAVEMENTS, RAMPS, CURBS	
1.00	1.01 ASPHALT PAVING	SEE CIVIL
	1.02 CONCRETE PAVING- 4" THICK, TYP.	SEE CIVIL
	1.03 CONCRETE PAVING- HEAVY DUTY	SEE CIVIL
	1.04 CONCRETE CURB AND GUTTER	SEE CIVIL
	1.05 CONCRETE CURB	SEE CIVIL
	1.06 PARKING SIGNAGE	B5 AS701
	1.07 PARKING STRIPING	SEE SPECS
	1.08 CONCRETE PAVER- 2' X 4', CAST-IN-PLACE	C4 AS701
	1.09 TACTILE WARNING PAVER	C6 AS701
	1.10 CONCRETE MOW CURB	D4 AS701
2.00	**JOINTS**	
	2.01 SAW CUT JOINT	A6 AS701
	2.02 EXPANSION JOINT	A6 AS701
3.00	**RAILINGS, BARRIERS AND FENCING**	
	3.01 GATE- 6' HT. W/ LOCKING MECHANISM	B3 AS701
	3.02 FENCE- 6' HT.	A3 AS701
4.00	**STRUCTURES**	
	4.01 TRASH ENCLOSURE- 8' HT. W/ GATE; (1) STANDARD REFUSE BIN; (1) RECYCLING BIN (BINS PROVIDE BY OWNER)	SEE ARCH
5.00	**FURNISHINGS**	
	5.01 BIKE RACK- (2) QTY	A5 AS701
	5.02 PET WASTE STATION- INSTALL PER MANUFACTURER'S RECOMMENDATIONS	SEE SPECS
6.00	**EXISTING SITE IMPROVEMENTS**	
	6.01 MULTI-UNIT MAILBOX- TO BE RELOCATED	SEE CIVIL
	6.02 FIRE HYDRANT- TO BE RELOCATED	SEE CIVIL
	6.03 EXISTING CONCRETE PAVING	N/A

CONSTRUCTION NOTES:

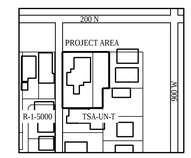
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND/OR CIVIL ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE SITE PLAN. IN THE EVENT THE CONTRACTOR FAILS TO COMPARE EXISTING SITE CONDITIONS WITH THE SITE PLANS PRIOR TO BEGINNING WORK AND/OR FAILS TO NOTIFY THE LANDSCAPE ARCHITECT AND/OR CIVIL ENGINEER OF ANY DISCREPANCIES IN WRITING PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REQUIRED ALTERATIONS AND ADDITIONS TO THE SITE PLAN, INCLUDING ADDITIONAL MATERIALS AT NO ADDITIONAL COST TO THE OWNER.
2. DO NOT SCALE DRAWINGS.
3. COORDINATE ALL EXISTING AND PROPOSED UTILITY CROSSINGS INCLUDING, BUT NOT LIMITED TO: STORM DRAIN LINES, WATER LINES AND POWER/ELECTRICAL LINES. COORDINATE DEMOLITION OF EXISTING AND INSTALLATION OF NEW UTILITY LINES WITH CIVIL AND MECHANICAL. CALL BLUE STAKES OF UTAH (811) 48 HOURS PRIOR TO COMMENCING WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXISTING IMPROVEMENTS, BOTH ON SITE AND ADJACENT TO THE PROJECT SITE, AND SHALL REPAIR ANY DAMAGE TO THESE IMPROVEMENTS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
3. QUANTITIES PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR CALCULATING AND VERIFYING TOTAL QUANTITIES NECESSARY TO COMPLETE THE WORK AS INDICATED ON THE PLANS.
4. ANY ALTERNATES AND/OR SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL. CHANGES TO THE SCOPE OF WORK AND/OR CONTRACT DOCUMENTS RESULTING FROM THE ACCEPTANCE OF THE CONTRACTOR'S ALTERNATES AND/OR SUBSTITUTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. FOR ADDITIONAL INFORMATION, SEE LANDSCAPE, ARCHITECTURAL, CIVIL, ELECTRICAL, MECHANICAL, DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- IRRIGATED PLANTING BED

SITE DATA:

ZONING	TSA-UN-T
AREA TYPES	
• PROPERTY	9,854 sf (100%)
• BUILDING	5,039 sf (51%)
• HARDSCAPE	2,902 sf (29%)
• LANDSCAPE	1,913 sf (20%)
PARKING REQUIREMENTS	
TOTAL REQUIRED	7 qty
• STANDARD	6 qty
• ADA	1 qty
TOTAL PROVIDED	7 qty
• OFF-STREET	4 qty
•• STANDARD	3 qty
•• ADA	1 qty
• ON-STREET (STANDARD)	3 qty



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811 Know what's **below.** **Call** before you dig.

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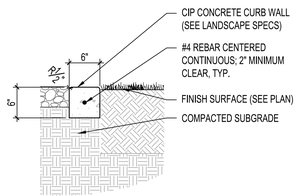
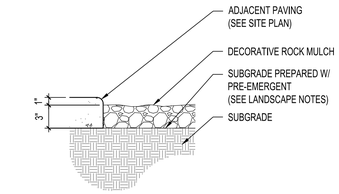
DRAWN BY: HT
DATE: 05/21/2020

ARCHITECTURAL SITE PLAN

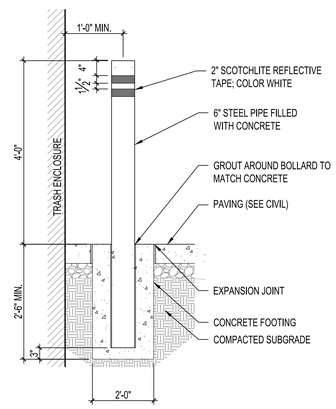
AS101



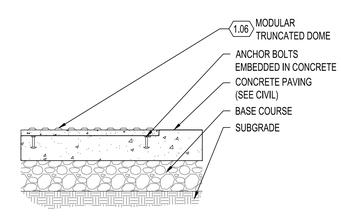
D4 CONCRETE MOW CURB
AS701 — SCALE: 1" = 1'-0"



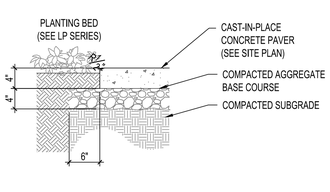
D6 DECORATIVE ROCK MULCH
AS701 — SCALE: 1 1/2" = 1'-0"



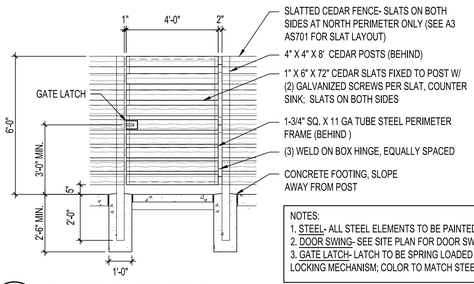
C5 BOLLARD @ TRASH ENCLOSURE
AS701 — SCALE: 3/4" = 1'-0"



C6 TACTILE WARNING PAVER
AS701 — SCALE: 1-1/2" = 1'-0"



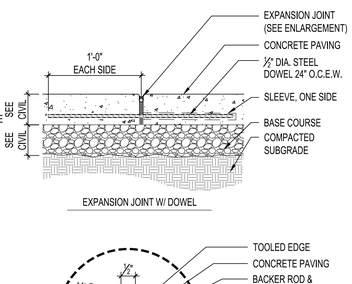
C4 CONCRETE PAVERS
AS701 — SCALE: 1" = 1'-0"



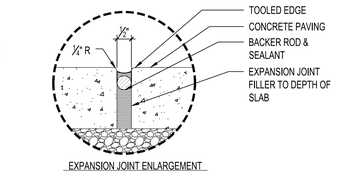
NOTES:
1. STEEL- ALL STEEL ELEMENTS TO BE PAINTED; COLOR TO MATCH STEEL ON BUILDING
2. DOOR SWING- SEE SITE PLAN FOR DOOR SWING DIRECTION
3. GATE LATCH- LATCH TO BE SPRING LOADED W/ MECHANICAL AND KEYLESS, SELF LOCKING MECHANISM; COLOR TO MATCH STEEL ELEMENTS

B3 SLATTED WOOD GATE
AS701 — SCALE: 3/8 = 1'- 0"

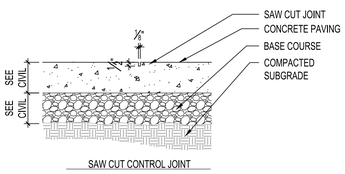
B5 ADA PARKING SIGN IN LANDSCAPE
AS701 — SCALE: 1/2" = 1'-0"



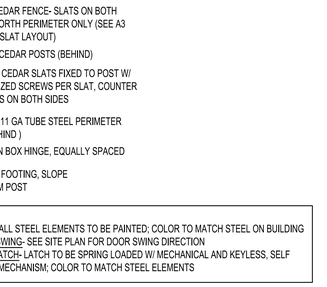
EXPANSION JOINT W/ DOWEL



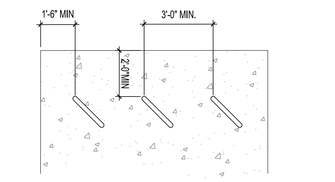
EXPANSION JOINT ENLARGEMENT



SAW CUT CONTROL JOINT



A3 SLATTED WOOD FENCE
AS701 — SCALE: 3/8" = 1'-0"



NOTES:
1. MIN. 3" BETWEEN MOUNTING HOLE AND EDGE OF CONCRETE OR CONTROL JOINT. SEE SITE PLAN FOR QUANTITY OF RACKS.
2. RACKS TO BE SURFACE MOUNT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

A5 BIKE RACK LAYOUT
AS701 — SCALE: 3/8" = 1'-0"

A6 CONCRETE PAVING JOINTS
AS701 — SCALE: 1-1/2" = 1'-0"

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SITE DETAILS

AS701

SYMBOL		
C2	RAIN BIRD ESP4ME3 4 STATION, HYBRID MODULAR OUTDOOR CONTROLLER. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY. STAINLESS STEEL WALL MOUNTED CABINET W/ LOCK.	1
FS	CREATIVE SENSOR TECHNOLOGY FSI-T15-001 1.5" (40MM) PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE 1.8-108 GPM.	2
POC 1	POINT OF CONNECTION 1"	1
POC 2	POINT OF CONNECTION 1"	1
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1/2"	463.9 L.F.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 3/4"	28.0 L.F.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1"	53.9 L.F.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1 1/4"	49.6 L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1/2"	44.1 L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40 3/4"	127.8 L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/4"	25.3 L.F.
	PIPE SLEEVE: PVC CLASS 200 SDR 21	31.0 L.F.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD PEB-PRS-D 1" 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATOR MODULE.	3
	RAIN BIRD 44-LRC 1" 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	4
	MUELLER MARK II ORISEAL 3/4" MANUAL DRAIN BALL VALVE	2
	NIBCO T-580-A (MAIN LINE ISOLATION) 1" BRASS BALL VALVE	1
	NIBCO T-FP-600A (VALVE MANIFOLD) 1" BRASS BALL VALVE (VALVE MANIFOLDS)	4
M	GRISWOLD 2250H 1" 1" PRESSURE REDUCING, SURGE ANTICIPATION, NORMALLY CLOSED MASTER VALVE. LIGHTNING PROTECTED. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION. LOW POWER SOLENOID.	1
D	MUELLER MARK II ORISEAL H-10284 1" STOP AND WASTE MANUAL DRAIN VALVE	2
BF1	FEBCO 825YA 1" REDUCED PRESSURE BACKFLOW PREVENTER	1
BF2	FEBCO 825YA 1" REDUCED PRESSURE BACKFLOW PREVENTER	1
C1	RAIN BIRD ESP4ME3 4 STATION, HYBRID MODULAR OUTDOOR CONTROLLER. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY. STAINLESS STEEL WALL MOUNTED CABINET W/ LOCK.	1

IRRIGATION SCHEDULE

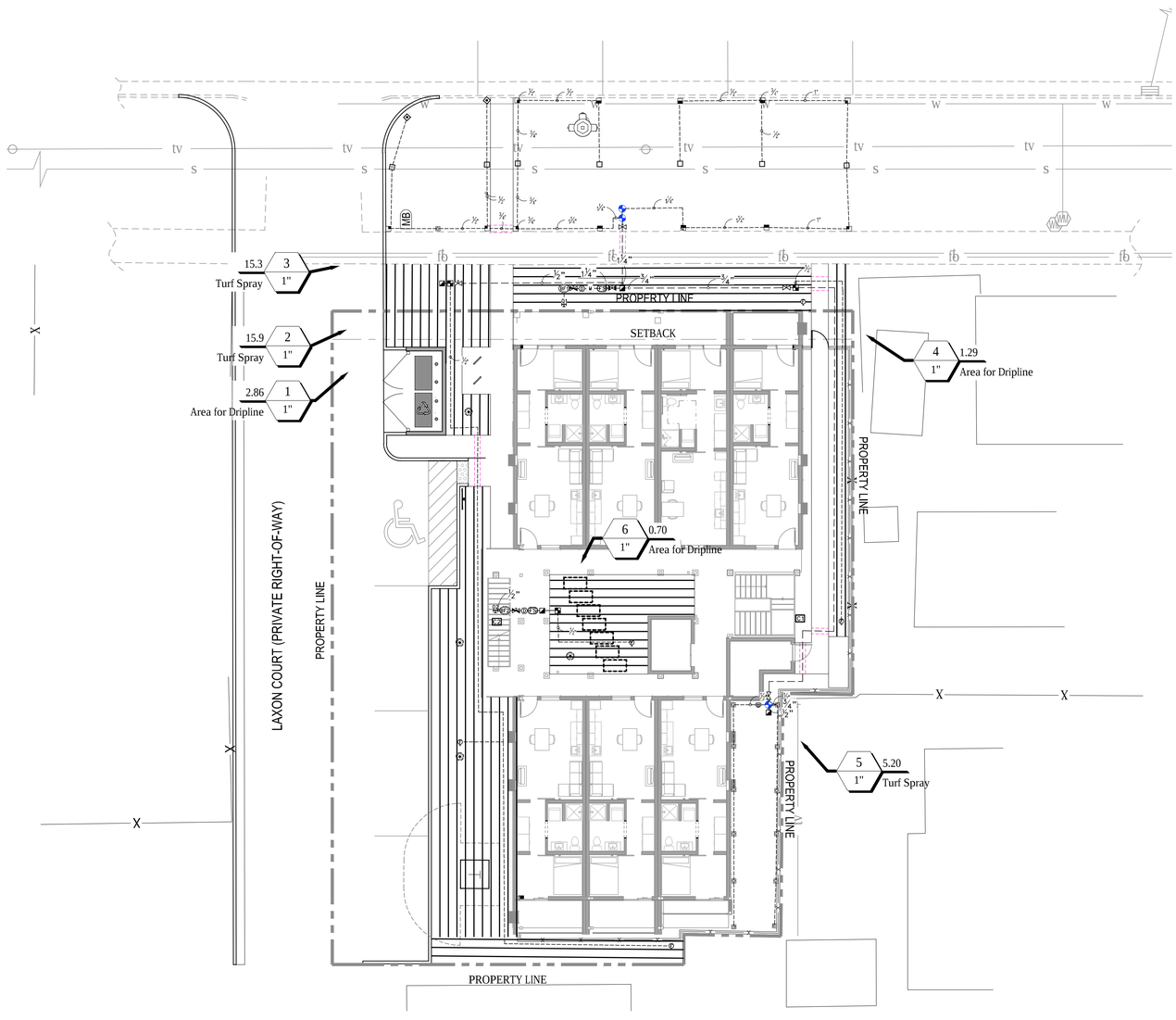
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
Q T H F	RAIN BIRD 1804-PRS 8 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	13	30
Q T H TQ F	RAIN BIRD 1804-PRS 12 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	6	30
Q T H TQ F	RAIN BIRD 1804-PRS 15 SERIES MPR TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	12	30
Q T H TQ F TZ TS TB	RAIN BIRD 1804-PRS ADJ TURF SPRAY 4.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	3	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD LFV-100 1" 1" LOW FLOW DV VALVE	3
	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.	5
	TREE RING	4
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-026-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.26 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.	2,526 S.F.

IRRIGATION NOTES:

1. THE IRRIGATION SYSTEM HAS BEEN DESIGNED FOR A REQUIRED MINIMUM STATIC PRESSURE OF 70 PSI. MAXIMUM SAFE FLOW IS 20 GPM. NO PIPE SHALL HAVE A VELOCITY THAT EXCEEDS 5 FPS AT ANY TIME. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE STATIC WATER PRESSURE AT THE POINT OF CONNECTION PRIOR TO BEGINNING WORK. CONTRACTOR WILL BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES OF STATED VERSUS ACTUAL STATIC WATER PRESSURE READINGS, IN WRITING, PRIOR TO BEGINNING WORK. IN THE EVENT THE CONTRACTOR FAILS TO VERIFY AND CONFIRM STATED VERSUS ACTUAL STATIC WATER PRESSURE PRIOR TO BEGINNING WORK AND DISCREPANCIES EXIST, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL MODIFICATIONS TO CONSTRUCTION WORK AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
2. QUANTITIES PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR CALCULATING AND VERIFYING TOTAL QUANTITIES NECESSARY TO COMPLETE THE WORK AS INDICATED ON THE PLANS.
3. THERE ARE TWO (2) POINTS OF CONNECTION (POC) LOCATED ON THIS PROJECT.
4. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM EDGE OF SIDEWALK FOR EASY ACCESS.
5. COORDINATE ALL SLEEVING AND CONDUIT AS INDICATED PRIOR TO BEGINNING WORK. SEE STRUCTURAL NOTES AND DETAILS FOR SLEEVING THROUGH WALLS.
6. THE CONTRACTOR SHALL FLUSH ALL LINES PRIOR TO INSTALLING DRIP EMITTERS.
7. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS DIAGRAMMATICALLY SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE ENGINEERING. THE LANDSCAPE ARCHITECT SHOULD BE INFORMED IN WRITING OF SUCH OBSTRUCTIONS AND DIFFERENCES, BUT IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY.
8. THE CONTRACTOR ASSUMES ALL LIABILITY ASSOCIATED WITH THE MODIFICATION OF THE IRRIGATION SYSTEM DESIGN WITHOUT NOTIFYING THE LANDSCAPE ARCHITECT.
9. FOR ADDITIONAL INFORMATION, SEE IRRIGATION SCHEDULE, DETAILS AND SPECIFICATIONS. REVIEW ARCHITECTURAL, CIVIL, ELECTRICAL, MECHANICAL, SITE AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
10. IRRIGATION VALVE ZONES ARE IDENTIFIED WITH THE FOLLOWING SYMBOL:

200 NORTH STREET



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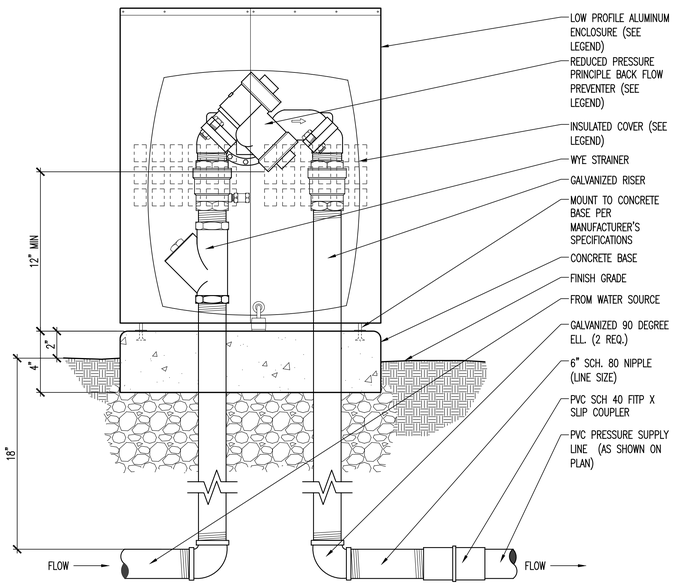
NEXUS PROJ. #: 20020
CHECKED BY: JV
DRAWN BY: HT
DATE: 05/21/2020

IRRIGATION PLAN

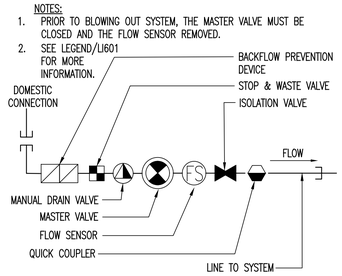
N

0' 10' 20'

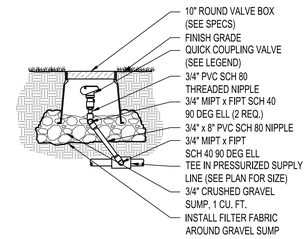
LI101



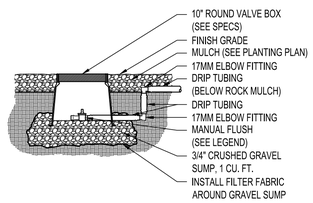
C2 BACK FLOW PREVENTION DEVICE
LI701 SCALE: 3" = 1'-0"



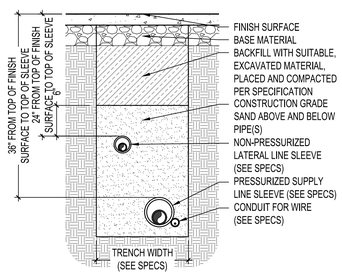
D4 POC ENLARGEMENT
LI701 SCALE: NTS



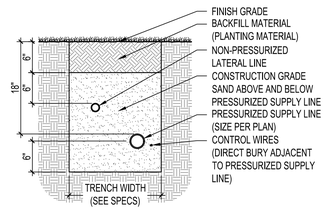
D5 QUICK COUPLER
LI701 SCALE: 1" = 1'-0"



C4 MANUAL FLUSH VALVE
LI701 SCALE: 1" = 1'-0"



C5 TRENCH IN HARDSCAPE AREA
LI701 SCALE: 1" = 1'-0"



C6 TRENCH IN LANDSCAPE AREA
LI701 SCALE: 1" = 1'-0"

THRUST BLOCKING SIZING PROCEDURE:

1. MULTIPLY THE WORKING PRESSURE BY THE APPROPRIATE VALUE SHOWN IN THE FOLLOWING TABLE TO OBTAIN TOTAL THRUST IN N(LB)

PIPELINE THRUST FACTORS
(BASED ON THRUST PER KPA (PSI) PRESSURE)

PIPE SIZE		DEAD END OR TEE	90° ELBOW	45° ELBOW	22.5° ELBOW
IN.	MM				
3	89	9.80	13.90	7.51	3.82
4	114	16.20	23.00	12.40	6.31
6	168	34.80	49.20	26.70	13.60
8	219	59.00	83.50	45.20	23.00
10	273	91.50	130.00	70.00	35.80
12	324	129.00	182.00	98.50	50.30

2. DETERMINE THE BEARING STRENGTH OF THE SOIL FROM THE TABLE BELOW.

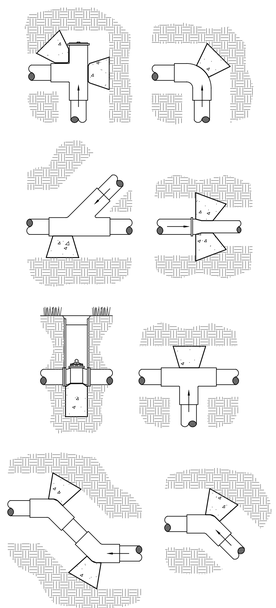
BEARING STRENGTH OF SOIL

SOILS AND SAFE BEARING LOADS	1B/SQ.FT.	KPA
SOUND SHALE	10,000	500
CEMENTED GRAVEL AND SAND DIFFICULT TO PICK	4,000	200
COARSE AND FINE COMPACT SAND	3,000	100
MEDIUM CLAY - CAN BE SPADED	2,000	150
SOFT CLAY	1,000	50
MUCK	0	0

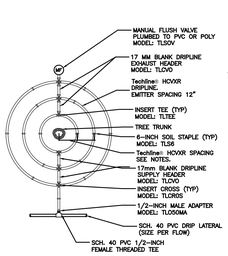
3. DIVIDE TOTAL THRUST OBTAINED IN STEP 1 BY THE BEARING STRENGTH OF THE SOIL TO GET THE AREA NEEDED, M/SQ.FT.

NOTES:

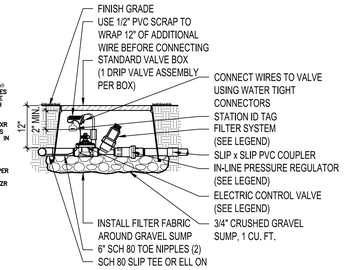
1. MAIN LINE PIPING SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. THRUST BLOCKS MUST BE POURED AGAINST UNDISTURBED SOIL.
3. ALL PIPE JOINTS MUST BE LEFT ACCESSIBLE.
4. CONCRETE MUST BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURIZING WATER LINES.
5. CONCRETE MUST HAVE A MINIMUM OF 2500 PSI COMPRESSIVE STRENGTH IN 28 DAYS.
6. THRUST BLOCKS MUST BE POURED AS CLOSE AS POSSIBLE TO THE CONFIGURATION SHOWN.
7. BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 200 PSIG AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS./SQ.FT.
8. BEARING AREAS, VOLUMES, & SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD.
9. BEARING AREAS FOR PIPE SIZES OR CONFIGURATION NOT SHOWN REQUIRE A SPECIAL DESIGN.
10. ALL WORK MUST BE INSPECTED BY UNIVERSITY OF UTAH IRRIGATION FOREMAN PRIOR TO BACKFILL.



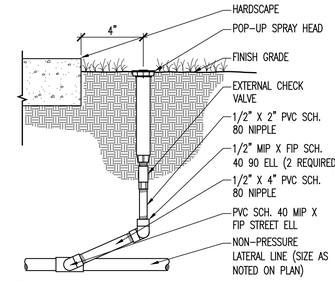
A1 THRUST BLOCKS
LI701 SCALE: 1" = 1'-0"



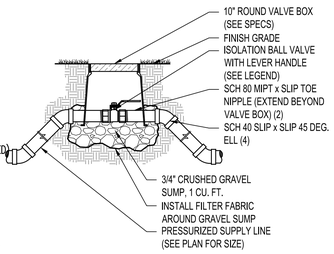
B3 NETAFIM THREE TREE RING
LI701 SCALE: N.T.S.



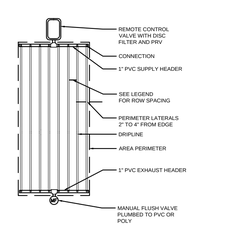
B4 DRIP VALVE ASSEMBLY
LI701 SCALE: 1 1/2" = 1'-0"



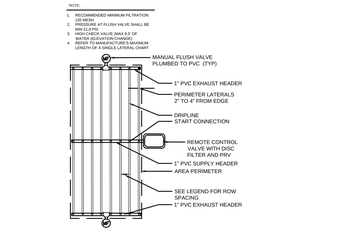
B5 6" POP-UP SPRAY HEAD
LI701 SCALE: 3" = 1'-0"



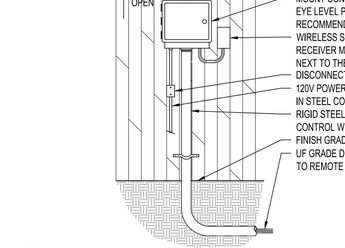
B5 ISOLATION BALL VALVE
LI701 SCALE: 1" = 1'-0" MAIN LINE



A3 NETAFIM END FEED LAYOUT
LI701 SCALE: N.T.S.



A4 NETAFIM CENTER FEED LAYOUT
LI7011 SCALE: N.T.S.



NOTE:
1. ALL ELECTRICAL AND CONTROLLER WIRE TO BE INSTALLED PER LOCAL CODE AND MANUFACTURER'S SPECIFICATIONS
2. GROUND CONTROLLER PER LOCAL CODE AND MANUFACTURE'S SPECIFICATIONS.
3. PROVIDE WATERPROOF SEALANT FOR ALL CONDUIT AND WIRE ACCESS POINTS.
4. PROVIDE LOCK FOR ENCLOSURE.

A5 IRRIGATION CONTROLLER - WALL MOUNT (EXTERIOR)
LI701 SCALE: NTS

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IRRIGATION DETAILS

LI701

EVERGREEN SHRUBS	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	MATURE SIZE (HXW)	WATER ZONE
	EUONYMUS JAPONICUS `GREEN SPIRE`	GREEN SPIRE EUONYMUS	5 GAL.	6`X3`	SE3
	MAHONIA AQUIFOLIUM `COMPACTA`	COMPACT OREGON GRAPE	5 GAL.	2`X3`	SE2
	PRUNUS LAUROCERASUS `NANA`	DWARF ENGLISH LAUREL	5 GAL.	5`X5`	SE2
	TAXUS X MEDIA `DARK GREEN SPREADING`	YEW	5 GAL.	4`X5`	SE3

GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	MATURE SIZE (HXW)	WATER ZONE
	SAGINA SUBULATA	IRISH MOSS	1 GAL.	1"X12"	GV4

SOD	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	MATURE SIZE (HXW)	WATER ZONE
	BIO NATIVE SOD		SOD		GV3

LANDSCAPE ACCESSORIES

ROCK MULCH — 374 SF
1"-2" DIA. ANGULAR ROCK MULCH; 3" DEPTH; BLACK

ORGANIC MULCH — 2071 SF
MEDIUM NUGGET; 3" DEPTH; NON-DYED;INSTALL AT ALL PLANTING BEDS UNLESS OTHERWISE NOTED

LANDSCAPE BOULDERS
1'-3' DIA. LANDSCAPE BOULDER, BLACK BASALT

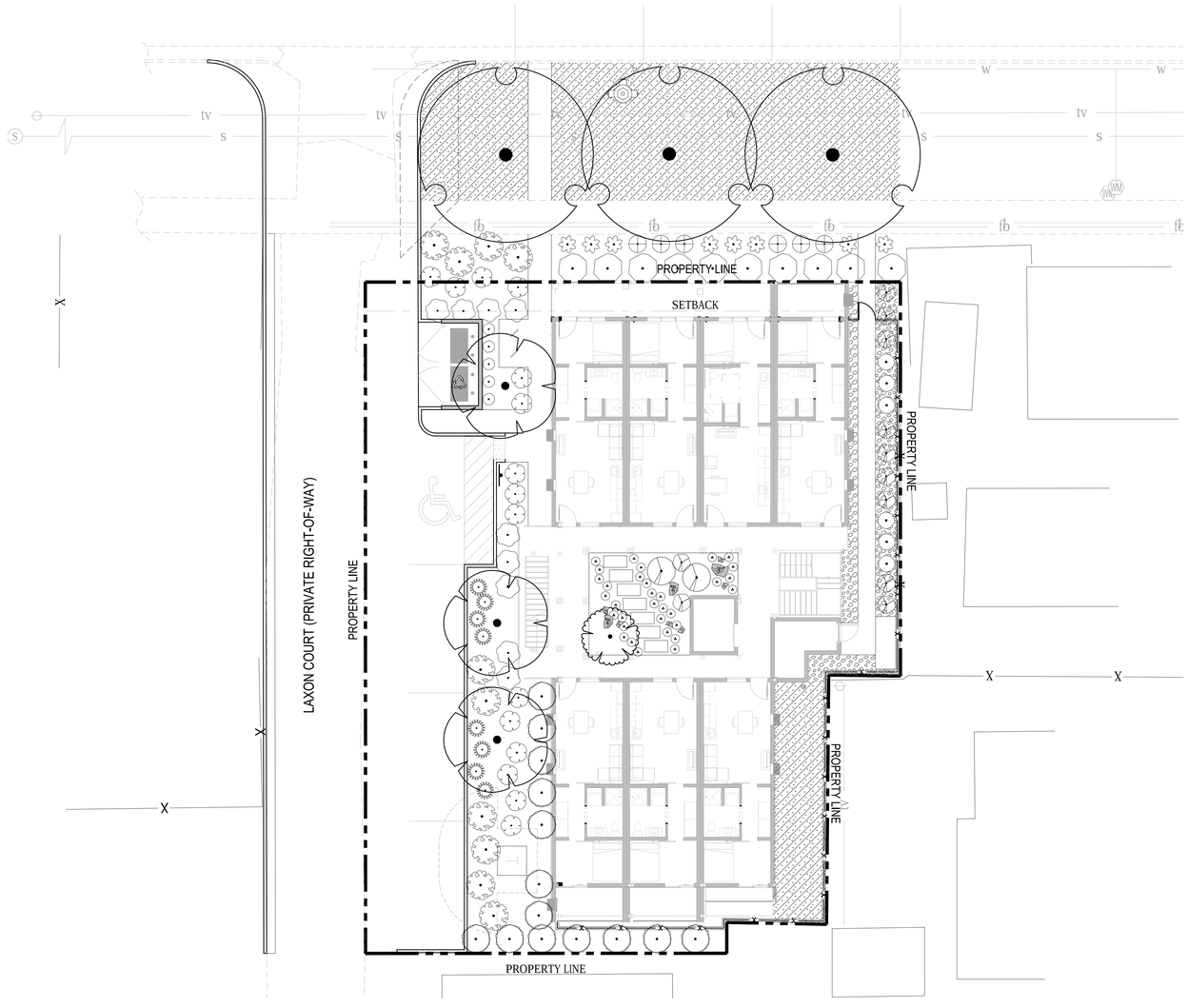
- 1'X1'X1'- (6) QTY.
- 3'X3'X3'- (1) QTY.
- 2'X2'X2'- (2) QTY.

PLANT SCHEDULE

DECIDUOUS TREES	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	MATURE SIZE (HXW)	WATER ZONE
	CORNUS ALTERNIFOLIA `WSTACKMAN` TM	GOLDEN SHADOWS DOGWOOD	8` HT.	12`X12`	TD3
	GINGKO BILOBA	GINGKO	2" CAL.	50`X30`	TD2
	ZELKOVA SERRATA `JFS-KW1` TM	CITY SPRITE ZELKOVA	2" CAL.	24`X18`	TD4

GRASSES	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	MATURE SIZE (HXW)	WATER ZONE
	LIRIOPE MUSCARI `BIG BLUE`	BIG BLUE LILYTURF	1 GAL.	1.5"X1.5"	TW2
	SCHIZACHYRIUM SCOPARIUM `PRAIRIE BLUES`	LITTLE BLUESTEM GRASS	3 GAL.	2`X3`	TW2

DECIDUOUS SHRUBS	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	MATURE SIZE (HXW)	WATER ZONE
	ARONIA MELANOCARPA `UCONNAM166` TM	LOW SCAPE HEDGER BLACK CHOKEBERRY	5 GAL.	4`X3`	SE2
	COTONEASTER LUCIDUS	SHINY COTONEASTER	5 GAL.	7`X5`	SD2
	LIGUSTRUM VULGARE `LODENSE`	LODENSE PRIVET	1 GAL.	4`X4`	SD3
	LIGUSTRUM VULGARE `SWIFT`	STRAIGHT TALK PRIVET	5 GAL.	10`X2`	SD3
	PHYSOCARPUS OPULIFOLIUS `DONNA MAY` TM	LITTLE DEVIL NINEBARK	5 GAL.	3`X3`	SE2
	RHUS AROMATICA `GRO-LOW`	GRO-LOW FRAGRANT SUMAC	5 GAL.	2`X6`	SD1
	RIBES ALPINUM `GREEN MOUND`	GREEN MOUND ALPINE CURRANT	5 GAL.	3`X3`	SD2



PLANTING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COMPARING THE EXISTING SITE CONDITIONS WITH THE PLANTING PLAN PRIOR TO BEGINNING WORK AND IMMEDIATELY NOTIFYING THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE PLANTING PLANS. IN THE EVENT THE CONTRACTOR FAILS TO COMPARE EXISTING SITE CONDITIONS WITH THE PLANTING PLANS PRIOR TO BEGINNING WORK AND/OR FAILS TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN WRITING PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REQUIRED ALTERATIONS AND ADDITIONS TO THE PLANTING PLAN INCLUDING ADDITIONAL MATERIALS AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGES CAUSED BY CONSTRUCTION OPERATIONS ON OR OFF OF THE SITE WITH NO ADDITIONAL COSTS TO THE OWNER.
4. CONTRACTOR SHALL COORDINATE PLANT PLACEMENT WITH IRRIGATION SYSTEM.
5. THE CONTRACTOR IS RESPONSIBLE FOR CALCULATING AND VERIFYING THE TOTAL PLANT & LANDSCAPE MATERIAL SQUARE FOOTAGES REPRESENTED ON PLAN.
6. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF ANY PLANT SUBSTITUTIONS OR CHANGES TO PLANT SIZES SPECIFIED. THE LANDSCAPE ARCHITECT SHALL APPROVE SUBSTITUTIONS AND/OR SIZE CHANGES PRIOR TO PLAN INSTALLATION.
7. A PRE-EMERGENT, APPROVED BY THE OWNER REPRESENTATIVE, SHALL BE APPLIED AT ALL PLANTING, SOD AND DECORATIVE ROCK MULCH AREAS PRIOR TO INSTALLATION. APPLY PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL IRRIGATED LANDSCAPE AREAS TO RECEIVE 3" DEPTH ORGANIC MULCH UNLESS OTHERWISE NOTED. SEE SCHEDULE AND SPECS FOR MORE INFORMATION.
9. REFER TO LP SERIES, LI SERIES AND SPECIFICATIONS FOR MORE INFORMATION.

LANDSCAPE DATA:

ZONING	TSA-UN-T
PARK STRIP (85lf)	
• TREES REQUIRED (1/30 lf)	3
• TREES PROVIDED	3
PARKING LOT (88 lf)	
• TREES REQUIRED (1/30 ft):	3
• TREES PROVIDED:	3

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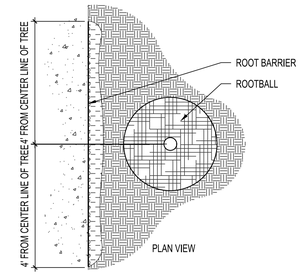
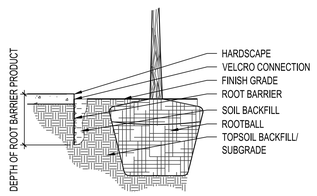
PLANTING PLAN AND SCHEDULE

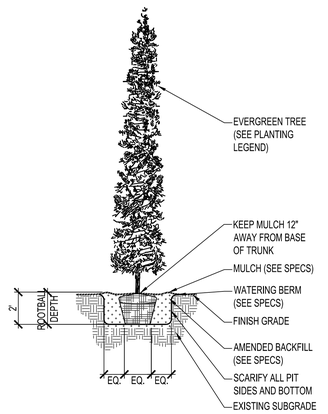
N
0' 10' 20'

LP101



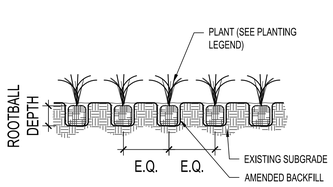


C5 ROOT BARRIER
LP701 SCALE: 1/2" = 1'-0"

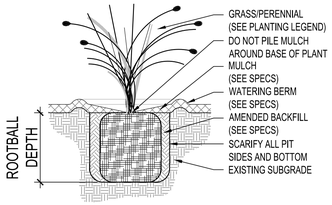


- FOR TREES LOCATED WITHIN 4' OF HARDSCAPE, SEE ROOT BARRIER DETAIL

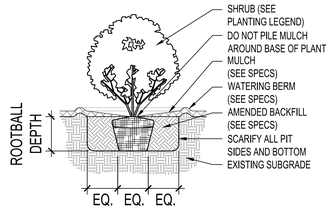
C6 EVERGREEN
LP701 SCALE: 1/4" = 1'-0"



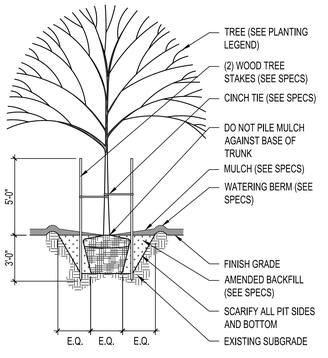
B3 PLANT SPACING
LP701 SCALE: 1-1/2" = 1'-0"



B4 GRASSES/PERENNIALS
LP701 SCALE: 1 1/2" = 1'-0"

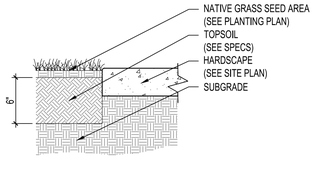


B5 SHRUB ON GRADE
LP701 SCALE: 1 1/2" = 1'-0"

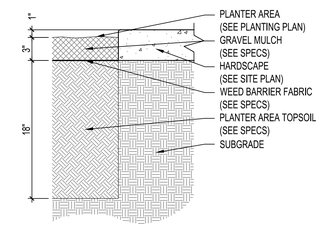


- LOCATE TREE STAKES ON OPPOSITE SIDES OF TREE PERPENDICULAR TO PREVAILING WIND.
- FOR TREES LOCATED WITHIN 4' HARDSCAPE SEE ROOT BARRIER DETAIL

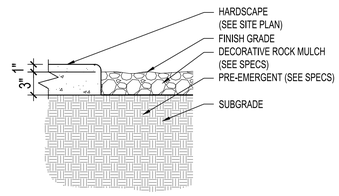
A6 TREE WITH STAKING
LP701 SCALE: 1/4" = 1'-0"



A3 TOPSOIL - SOD
LP701 SCALE: 1 1/2" = 1'-0"



A4 TOPSOIL DEPTH - PLANTER BED
LP701 SCALE: 1 1/2" = 1'-0"



A5 DECORATIVE ROCK MULCH
LP701 SCALE: 1 1/2" = 1'-0"

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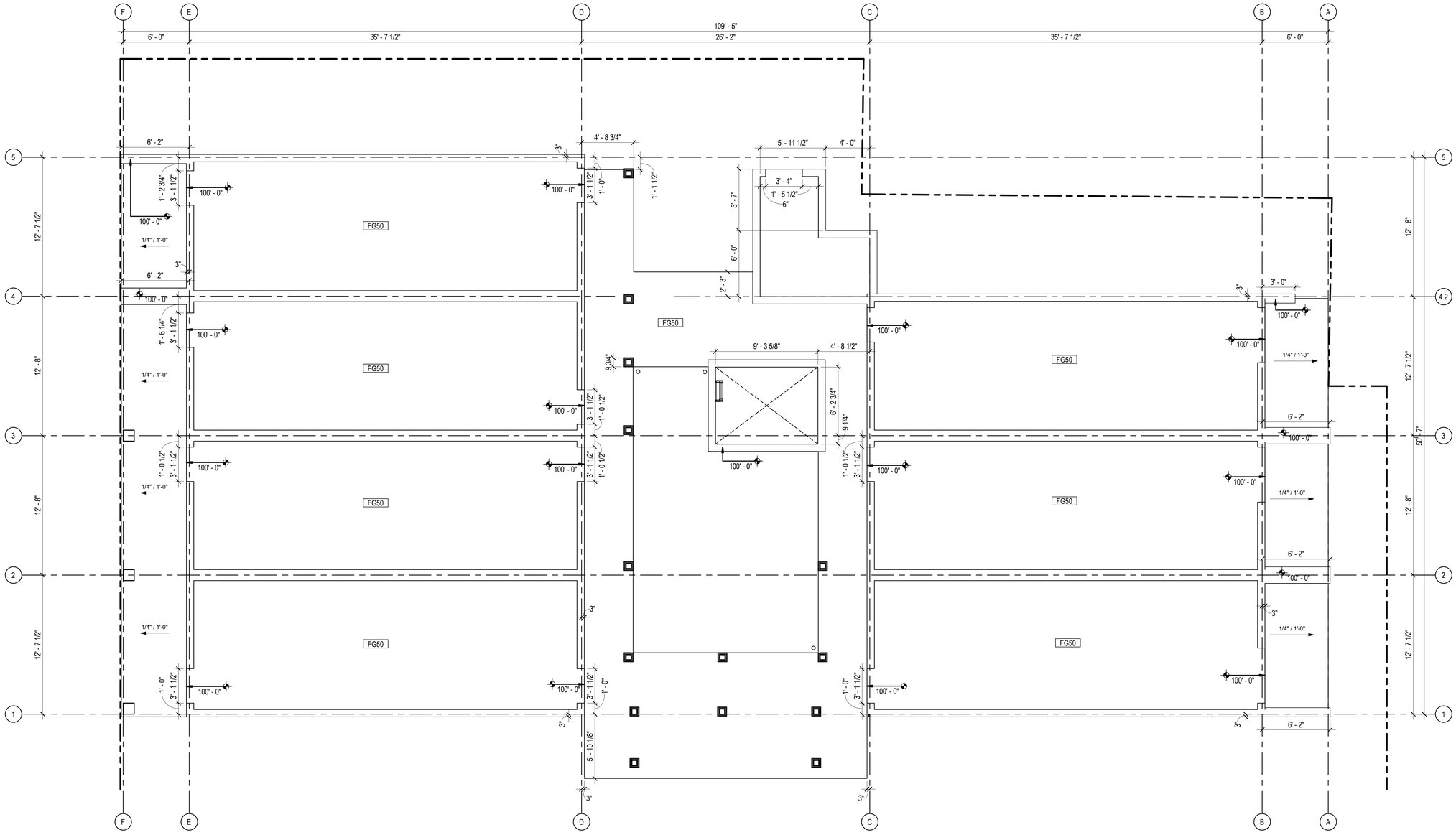
DATE: 05/21/2020

PLANTING DETAILS

LP701

GENERAL NOTE - SLAB CONTROL PLAN

A. COORDINATE ALL PENETRATIONS IN SLAB SYSTEM WITH STRUCTURAL AND PLUMBING DRAWINGS.



PLAN N — 1 / A091 — **LEVEL 01 - SLAB CONTROL PLAN** — 1/4" = 1'-0"

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STATE OF UTAH — 5000975-0301 — 5.12.21 — LICENSED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: Checker
DRAWN BY: Author
DATE: 04/02/2021

LEVEL 01 - SLAB CONTROL PLAN

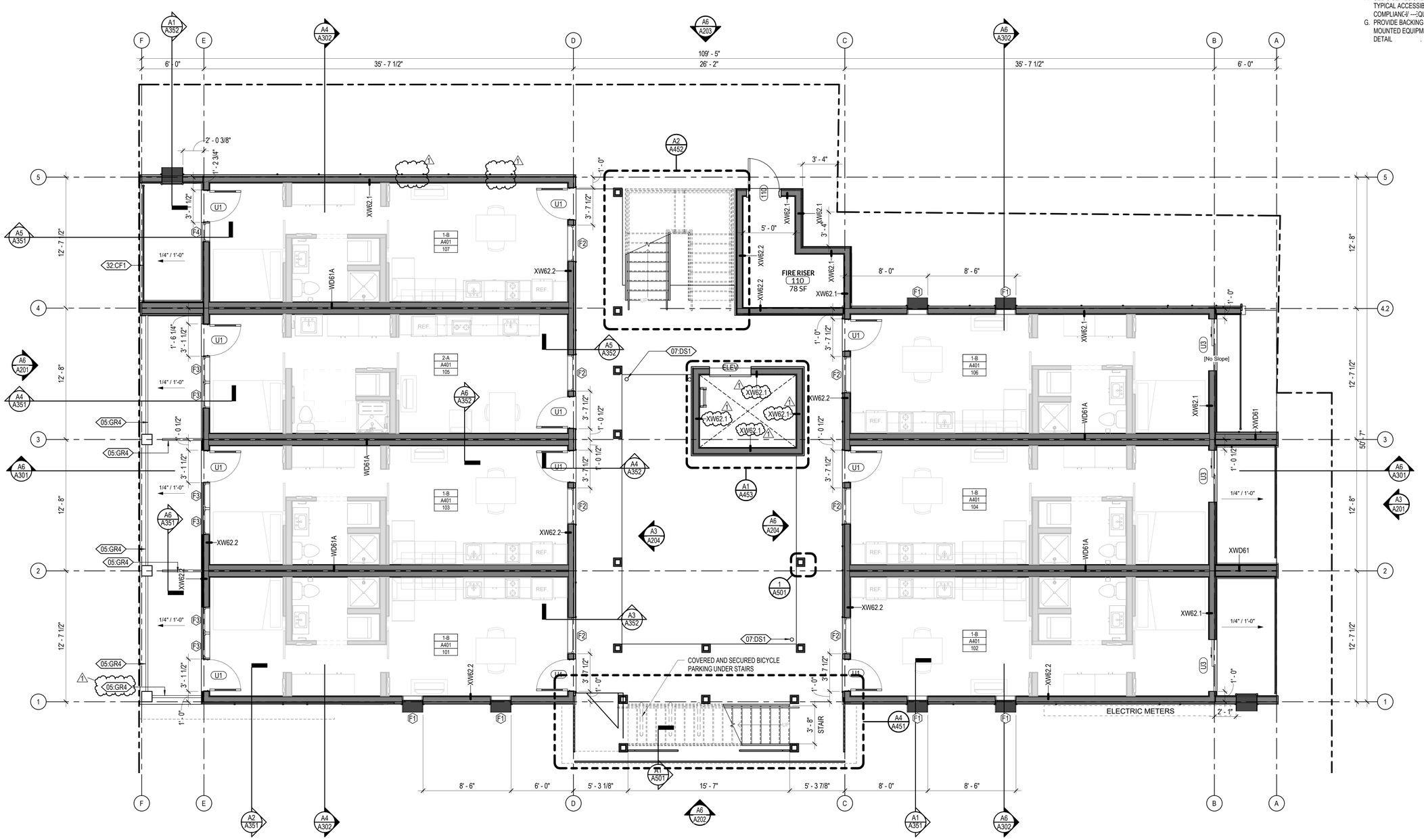
A091

6/4/2021 3:40:52 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
05:GR4	CABLE RAILING EXTEND 42" A.F.F. MIN.
07:DS1	DOWNSPOUT
32:CF1	CHAIN LINK FENCE

GENERAL NOTE - FLOOR PLAN

A. ALL NEW WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
B. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE, UNLESS NOTED OTHERWISE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
C. FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
D. DO NOT SCALE DRAWINGS.
E. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
F. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.
G. PROVIDE BACKING BEHIND ALL SURFACE MOUNTED EQUIPMENT AND/OR FIXTURES PER DETAIL



PLAN N

A5 A101 LEVEL 01 - OVERALL FLOOR PLAN
1/4" = 1'-0"

DWELLING UNIT		
QUANTITY	SIZE	TYPE
30	450 SF	Studio 1.1 - Type B (1-B)
1	470 SF	Studio 2 - Type A (2-A)
4	470 SF	Studio 1.2 - Type B (2-B)

DWELLING UNIT DENSITY	
UNITS	35
ACRES	.24
DENSITY	145.8 UNITS / ACRE

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JULIE ANN KERRETH
5000975-0301
5-21-21
LICENSED ARCHITECT

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915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision
1	8.3.21	CITY COMMENTS #1

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NEXUS PROJ. #: 21010
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DRAWN BY: JV
DATE: 04/02/2021

LEVEL 01 - OVERALL

A101

8/4/2021 12:03:51 PM

KEYNOTE LEGEND	
Key Value	Keynote Text

GENERAL NOTE - FLOOR PLAN

A. ALL NEW WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
B. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE, UNLESS NOTED OTHERWISE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
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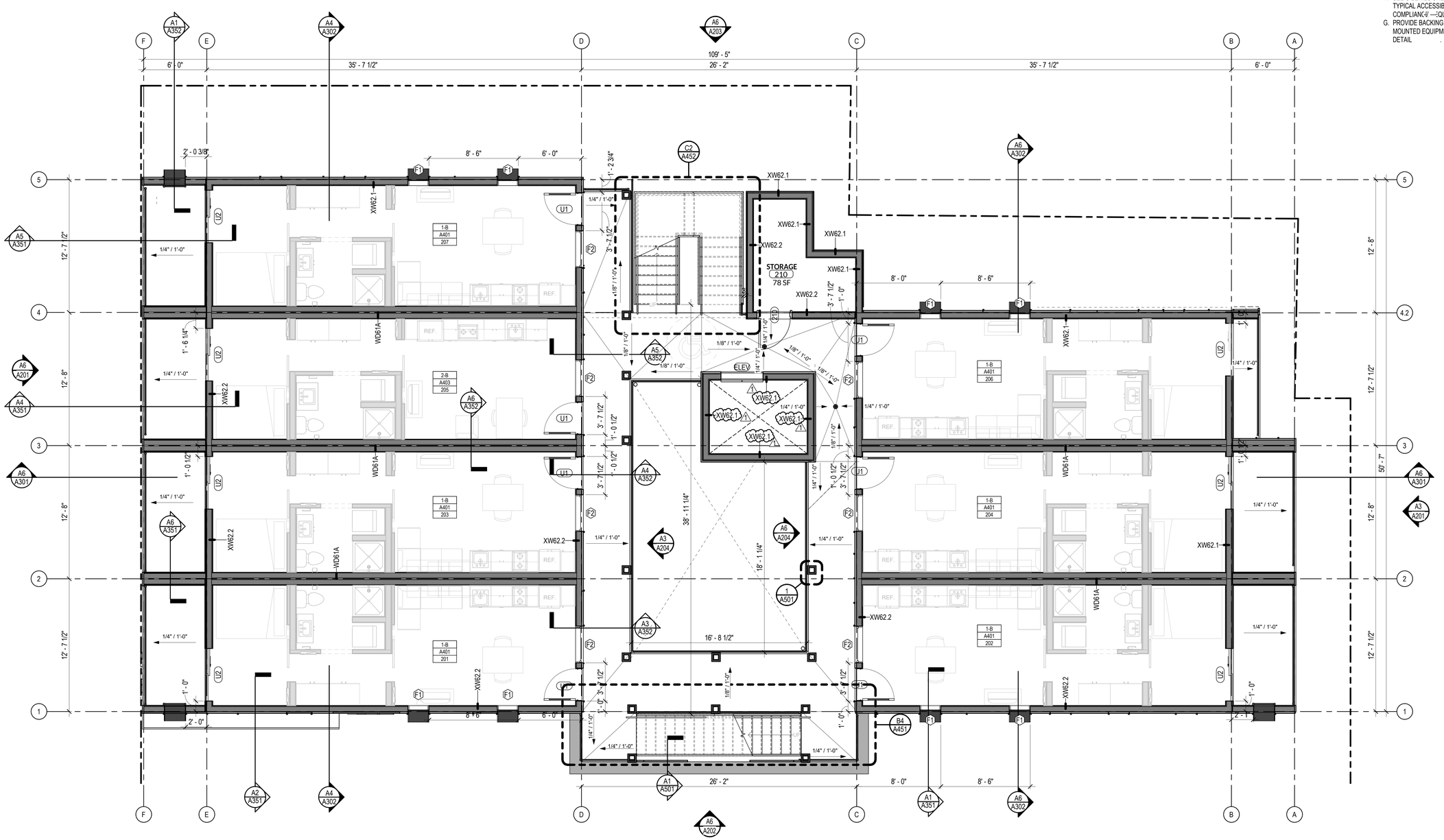

PLAN

A6 A102 LEVEL 02 - OVERALL FLOOR PLAN
1/4" = 1'-0"

DWELLING UNIT		
QUANTITY	SIZE	TYPE
30	450 SF	Studio 1.1 - Type B (1-B)
1	470 SF	Studio 2 - Type A (2-A)
4	470 SF	Studio 1.2 - Type B (2-B)

DWELLING UNIT DENSITY	
UNITS	35
ACRES	.24
DENSITY	145.8 UNITS / ACRE

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DATE: 04/02/2021

LEVEL 02 - OVERALL

A102

8/4/2021 12:04:24 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
07:DS1	DOWNSPOUT

GENERAL NOTE - FLOOR PLAN

A. ALL NEW WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
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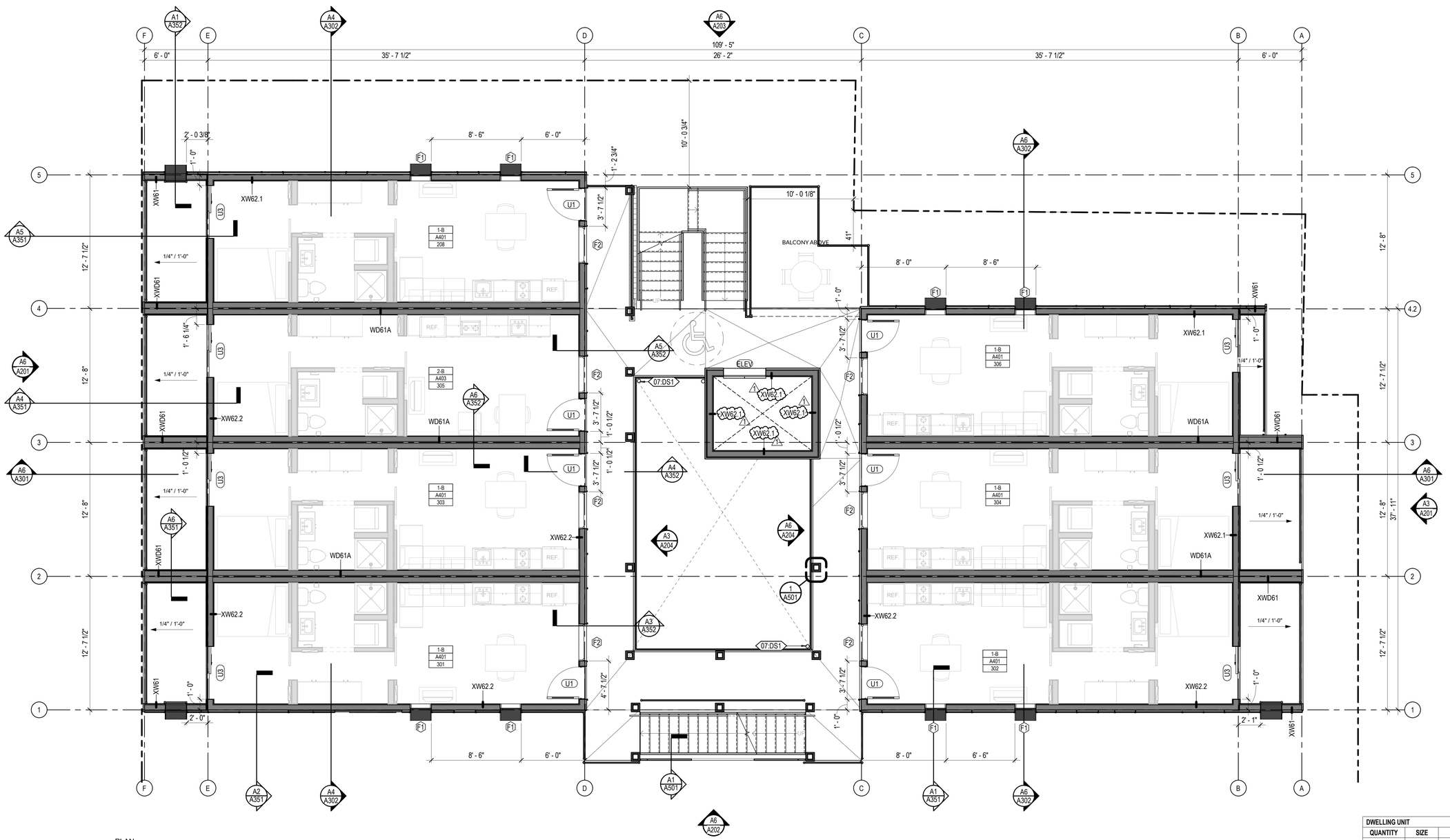

PLAN
N
A6 A103 LEVEL 03 - OVERALL FLOOR PLAN
1/4" = 1'-0"

#	Date	Revision
1	8.3.21	CITY COMMENTS #1

DWELLING UNIT		
QUANTITY	SIZE	TYPE
30	450 SF	Studio 1.1 - Type B (1-B)
1	470 SF	Studio 2 - Type A (2-A)
4	470 SF	Studio 1.2 - Type B (2-B)

DWELLING UNIT DENSITY	
UNITS	35
ACRES	.24
DENSITY	145.8 UNITS / ACRE

BID/ PERMIT SET

NEXUS PROJ. #: 21010
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DATE: 04/02/2021

LEVEL 03 - OVERALL

A103

8/4/2021 12:05:14 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
07:DS1	DOWNSPOUT

GENERAL NOTE - FLOOR PLAN

A. ALL NEW WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
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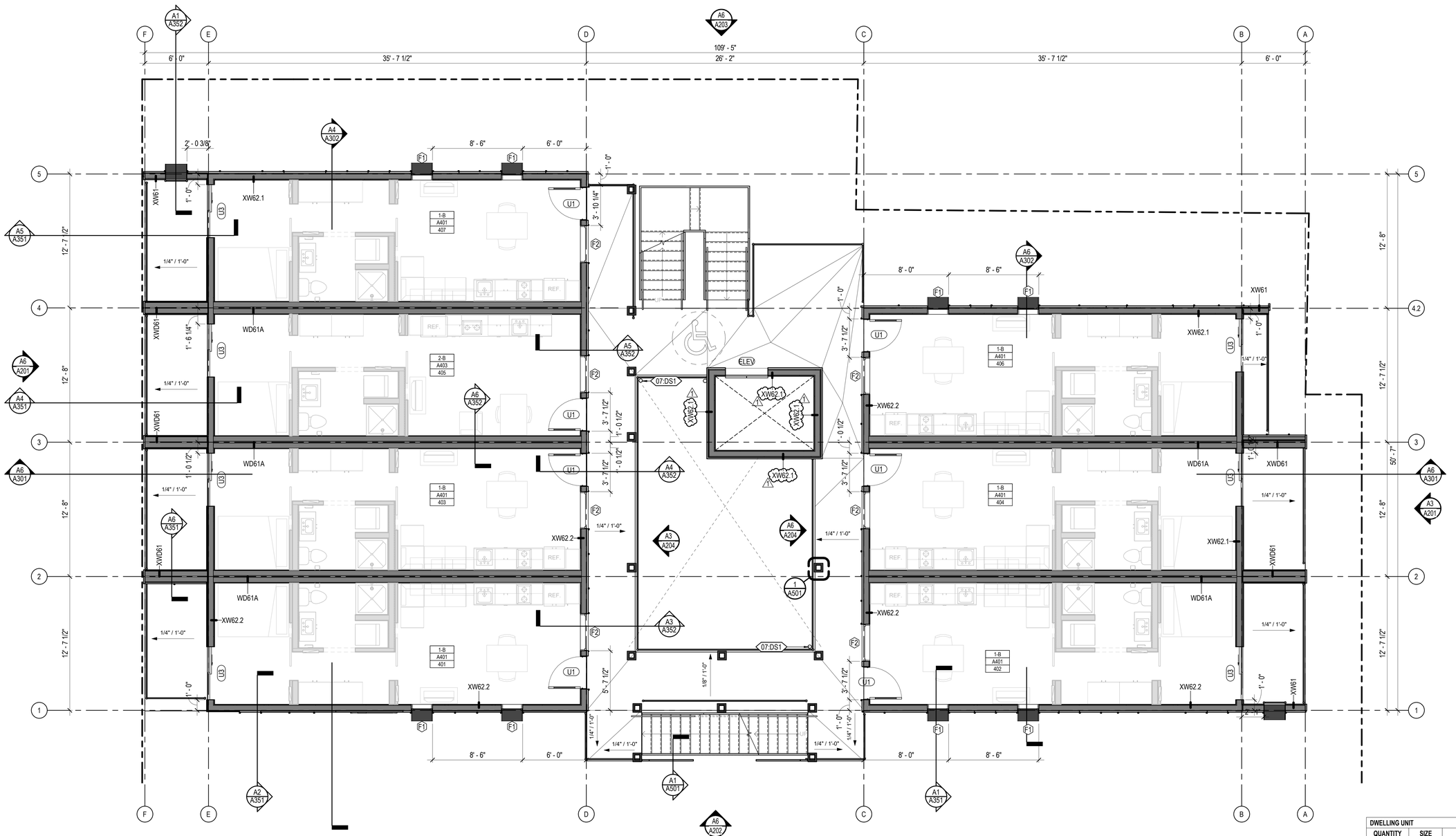
G. PROVIDE BACKING BEHIND ALL SURFACE MOUNTED EQUIPMENT AND/OR FIXTURES PER DETAIL .



PLAN

N

A6 A104 LEVEL 04 - OVERALL FLOOR PLAN
1/4" = 1'-0"

DWELLING UNIT		
QUANTITY	SIZE	TYPE
30	450 SF	Studio 1.1 - Type B (1-B)
1	470 SF	Studio 2 - Type A (2-A)
4	470 SF	Studio 1.2 - Type B (2-B)

DWELLING UNIT DENSITY	
UNITS	35
ACRES	.24
DENSITY	145.8 UNITS / ACRE

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LEVEL 04 - OVERALL

A104

8/4/2021 12:05:53 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
07:RG1	PRE-FINISHED METAL RAIN GUTTER
10:LD1	ROOF ACCESS LADDER WITH SECURE ACCESS GATE

GENERAL NOTE - FLOOR PLAN

A. ALL NEW WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
B. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE, UNLESS NOTED OTHERWISE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
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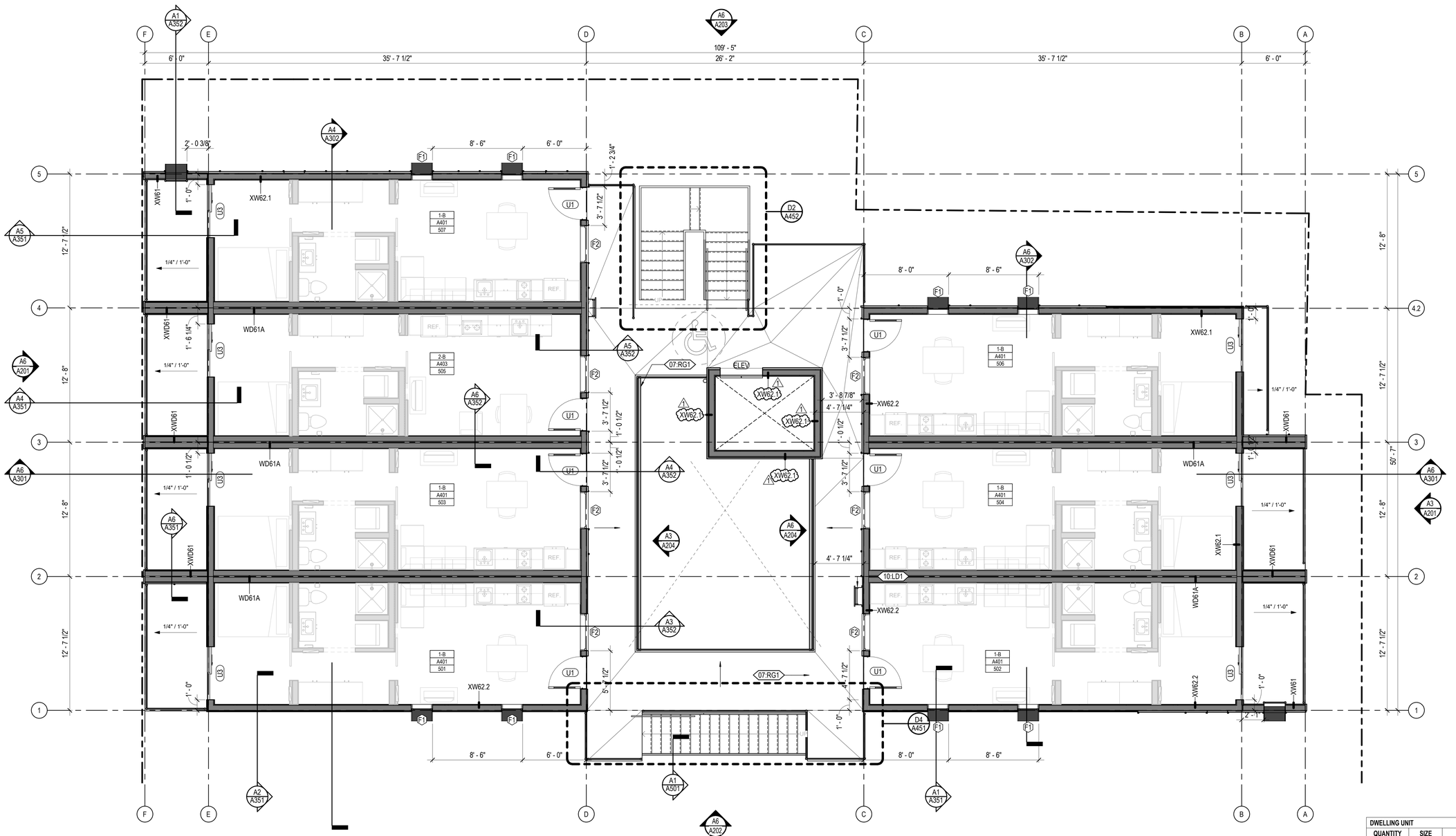

PLAN

A6 A105 LEVEL 05 - OVERALL FLOOR PLAN
1/4" = 1'-0"

DWELLING UNIT		
QUANTITY	SIZE	TYPE
30	450 SF	Studio 1.1 - Type B (1-B)
1	470 SF	Studio 2 - Type A (2-A)
4	470 SF	Studio 1.2 - Type B (2-B)

DWELLING UNIT DENSITY	
UNITS	35
ACRES	.24
DENSITY	145.8 UNITS / ACRE

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LEVEL 05 - OVERALL

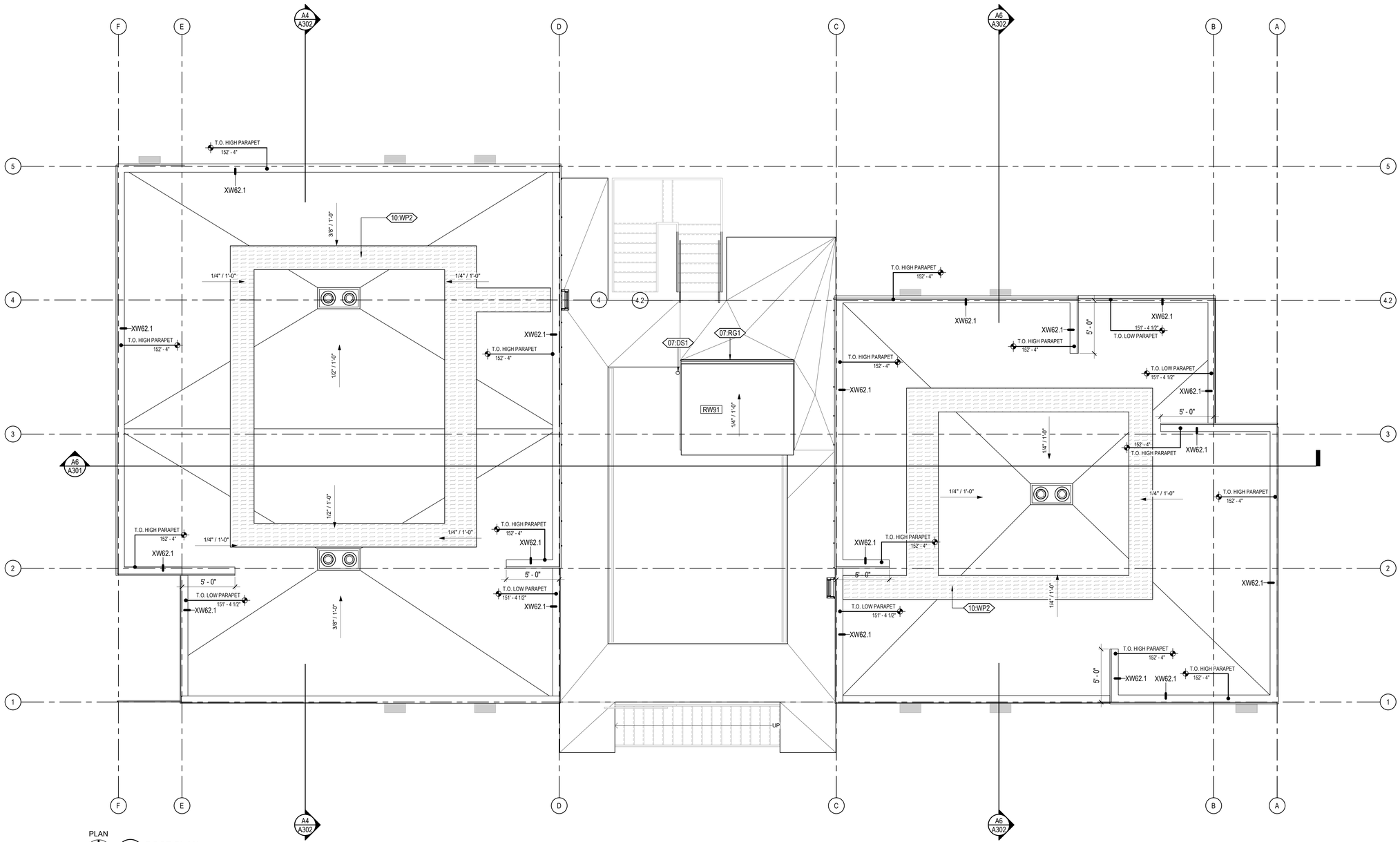
A105

8/4/2021 12:07:02 PM

GENERAL NOTE - ROOF PLAN

A. COORDINATE ALL PENETRATIONS OF ROOF SYSTEM WITH MECHANICAL AND ELECTRICAL DRAWINGS.

KEYNOTE LEGEND	
Key Value	Keynote Text
07:DS1	DOWNSPOUT
07:RG1	PRE-FINISHED METAL RAIN GUTTER
10:WP2	ROOFTOP WALK PAD



PLAN

A6 A121 ROOF PLAN
1/4" = 1'-0"

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ROOF PLAN

A121

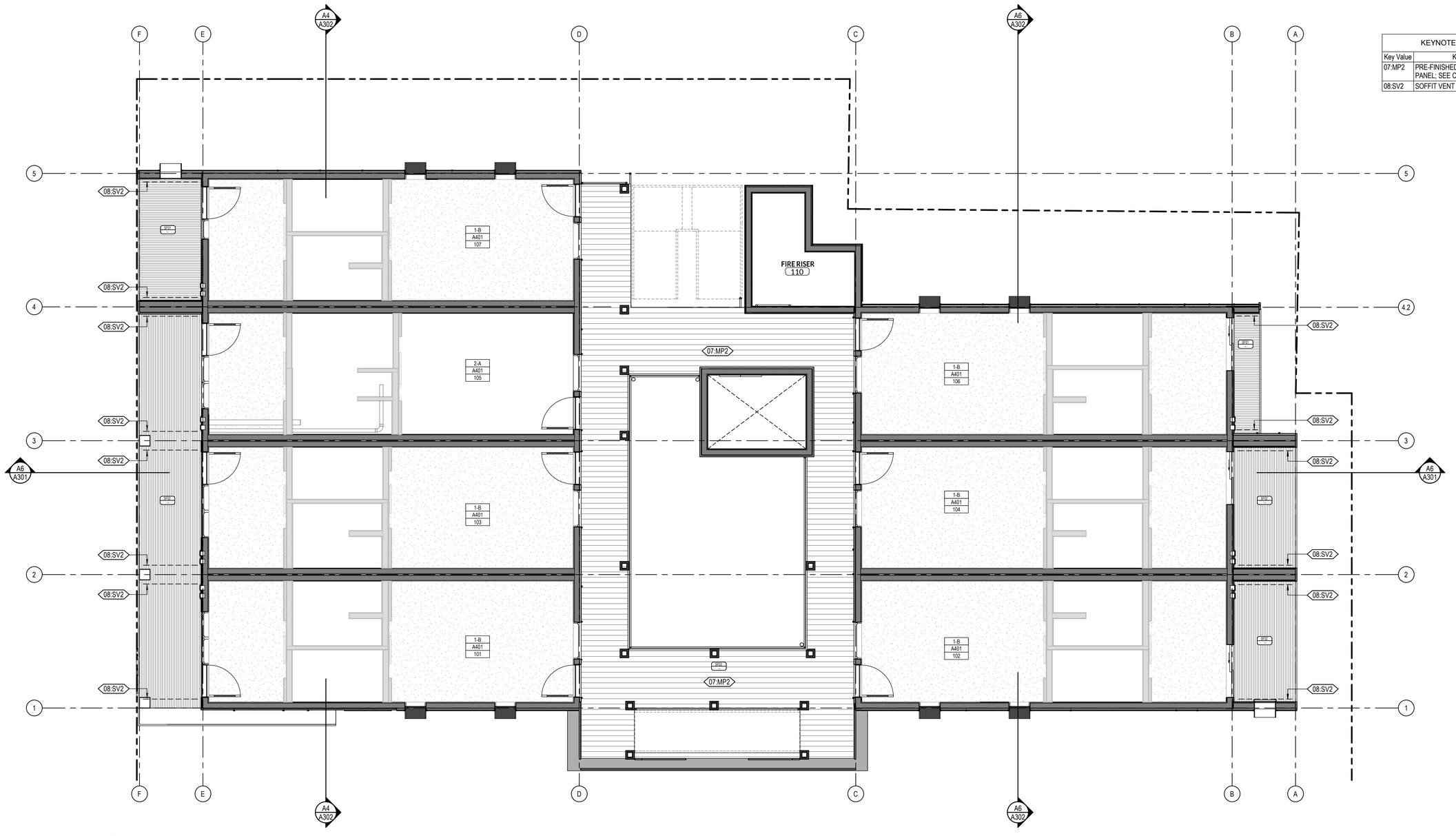
6/4/2021 3:10:18 PM

REFLECTED CEILING LEGEND

- GYP. BD. CEILING
- EXPOSED STRUCTURE
- MP1 - METAL PANEL MORIN W-12 WHITE
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16

GENERAL NOTE - RCP

A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
B. THE CEILING HEIGHT SHOWN IN THE ROOM TAG INDICATES THE HEIGHT OF THE DOMINANT CEILING FINISH. SEE ADDITIONAL CEILING FINISH CALLOUTS FOR OTHER CEILING HEIGHT OR FEATURES.
C. THE CONTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHEIVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURRING BEFORE PROCEEDING WITH THE WORK.



PLAN

N

A6 A151 LEVEL 01 - REFLECTED CEILING PLAN
1/4" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
07:MP2	PRE-FINISHED METAL SOFFIT PANEL; SEE CEILING PLANS
08:SV2	SOFFIT VENT

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LEVEL 01 - RCP

6/4/2021 3:10:34 PM

A151

REFLECTED CEILING LEGEND

- GYP. BD. CEILING
- EXPOSED STRUCTURE
- MP1 - METAL PANEL MORIN W-12 WHITE
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16

GENERAL NOTE - RCP

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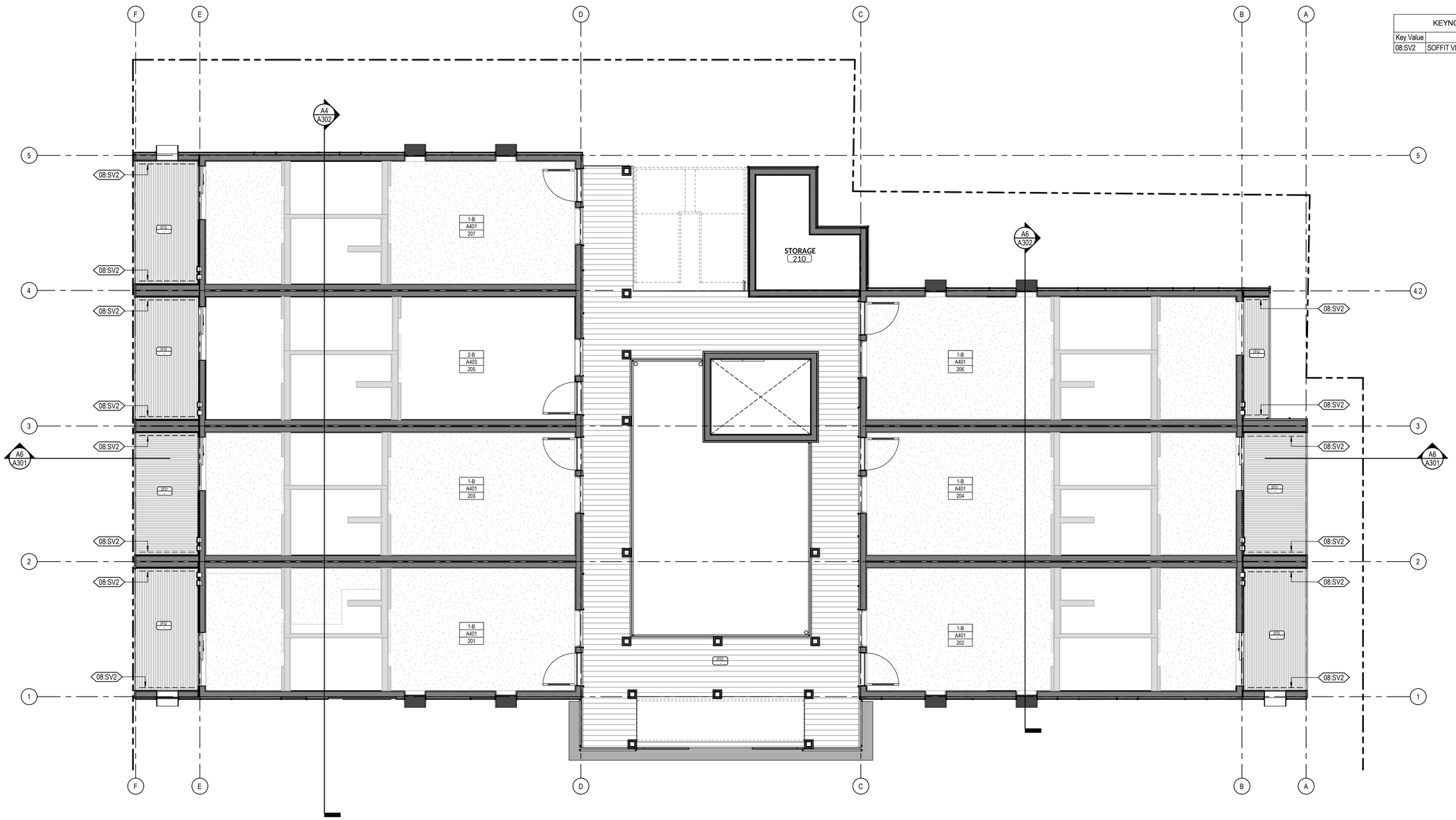

PLAN

N

A6 A152 LEVEL 02 - REFLECTED CEILING PLAN
1/4" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
08:SV2	SOFFIT VENT

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LEVEL 02 - RCP

6/4/2021 3:18:23 PM

A152

REFLECTED CEILING LEGEND

- GYP. BD. CEILING
- EXPOSED STRUCTURE
- MP1 - METAL PANEL MORIN W-12 WHITE
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16

GENERAL NOTE - RCP

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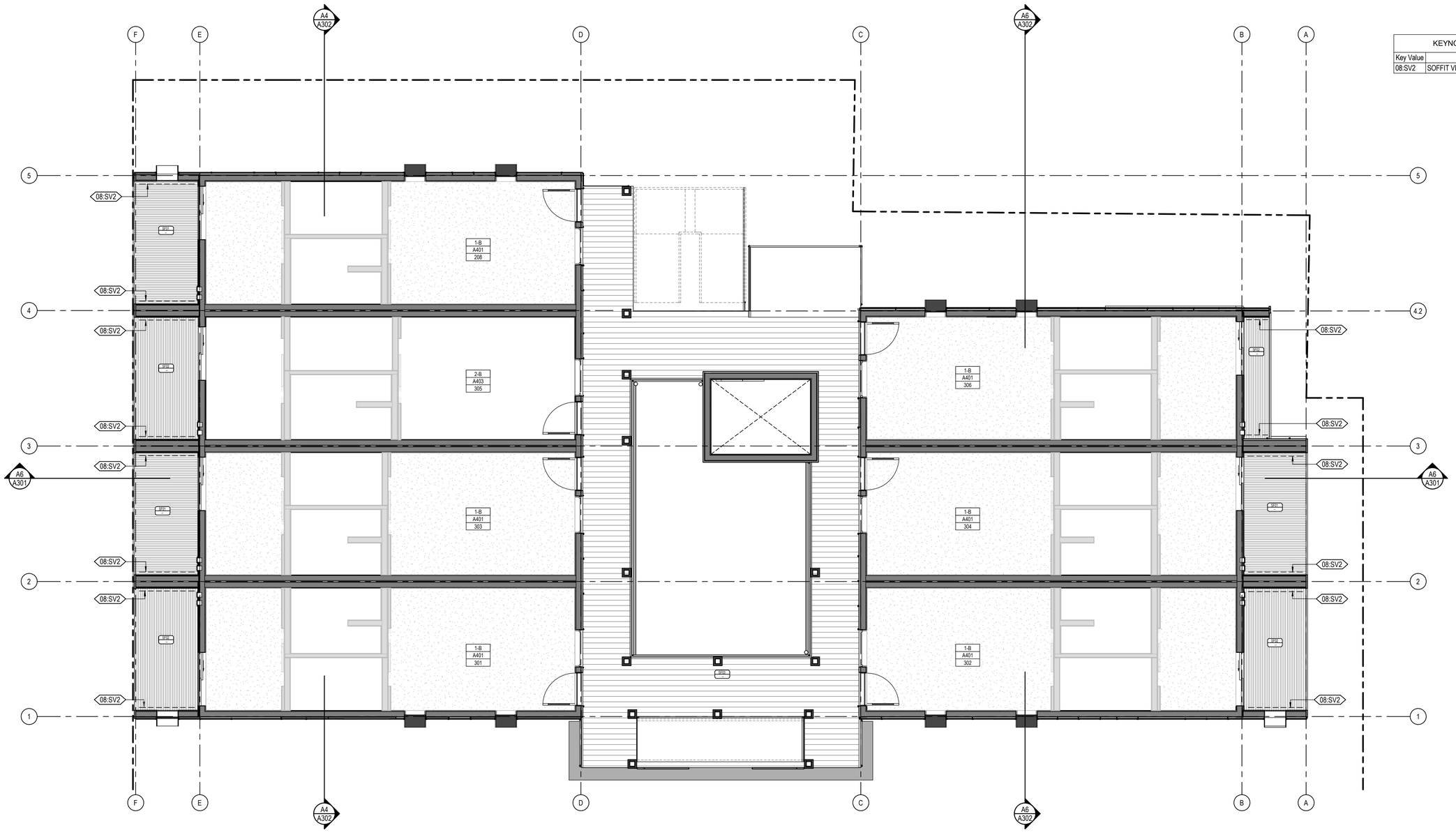

PLAN

N

A6 A153 LEVEL 03 - REFLECTED CEILING PLAN
1/4" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
08:SV2	SOFFIT VENT

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LEVEL 03 - RCP

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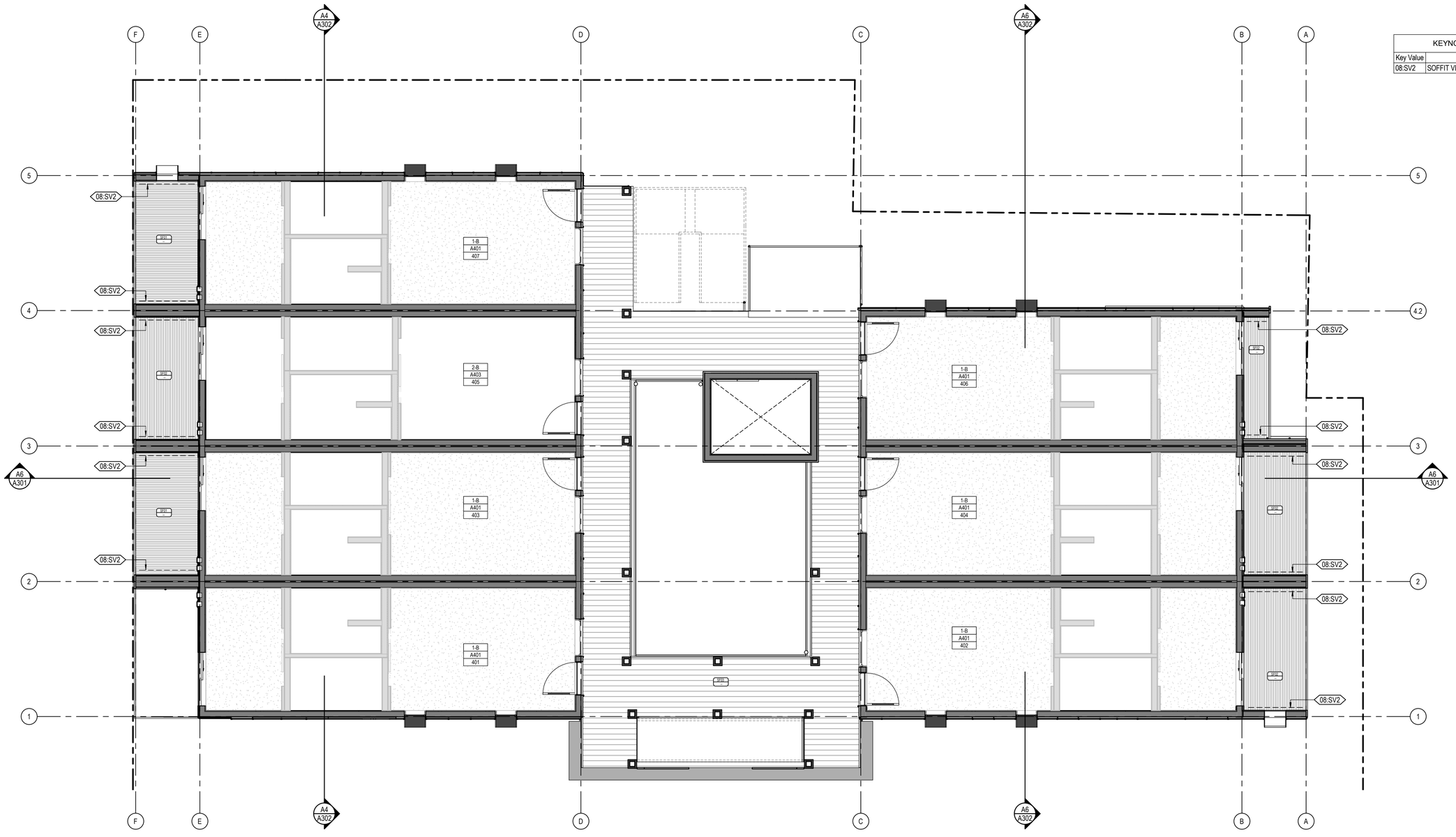
A153



PLAN N

A6 / A154 LEVEL 04 - REFLECTED CEILING PLAN

1/4" = 1'-0"

REFLECTED CEILING LEGEND

- GYP. BD. CEILING
- EXPOSED STRUCTURE
- MP1 - METAL PANEL MORIN W-12 WHITE
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16

GENERAL NOTE - RCP

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KEYNOTE LEGEND	
Key Value	Keynote Text
08:SV2	SOFFIT VENT

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JUSTIN VANNOTE
5000975-0301
REGISTERED ARCHITECT
5.21.21

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LEVEL 04 - RCP

A154

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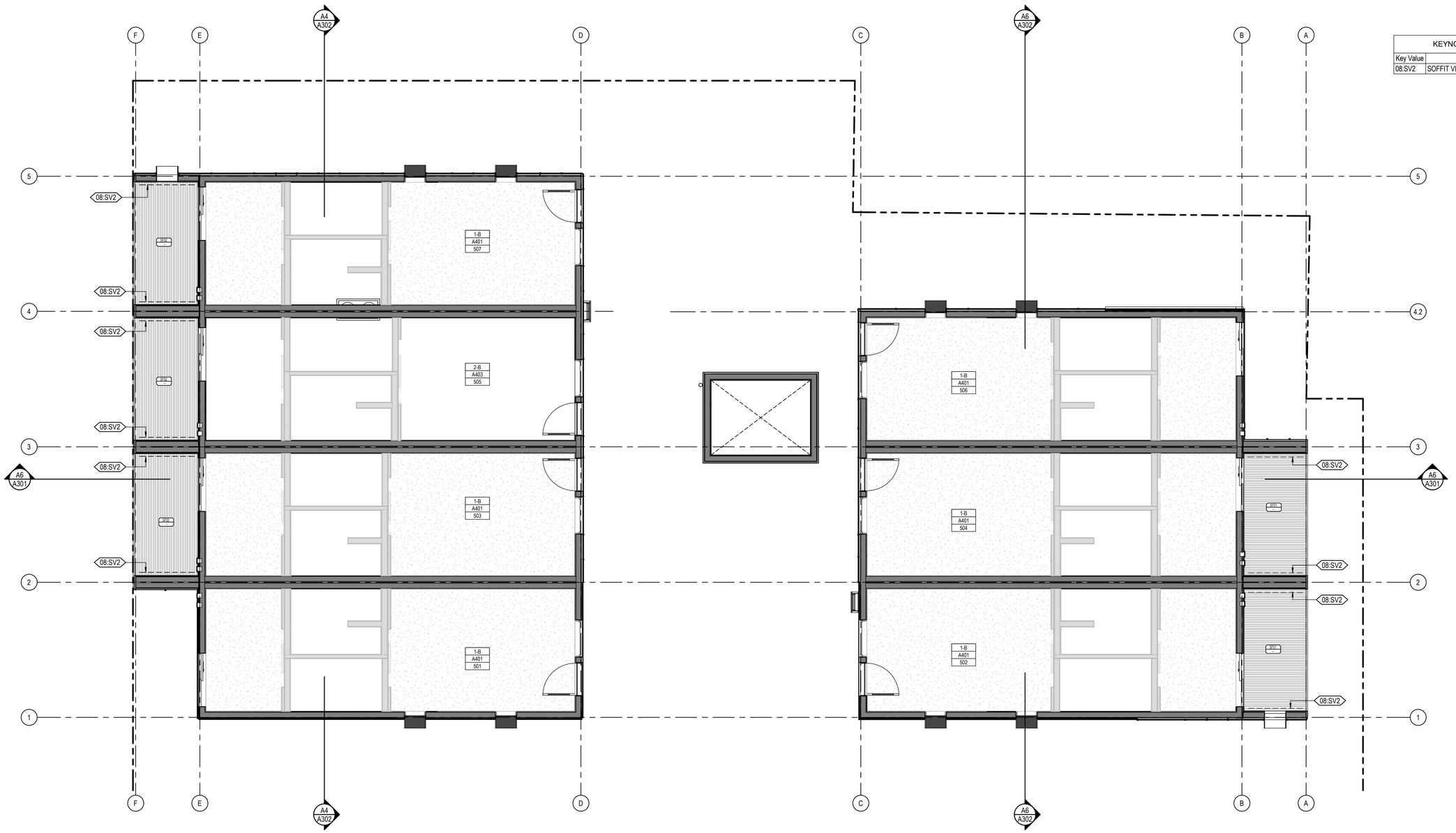

PLAN N

A6 / A155 **LEVEL 05 - REFLECTED CEILING PLAN**
1/4" = 1'-0"

REFLECTED CEILING LEGEND

- GYP. BD. CEILING
- EXPOSED STRUCTURE
- MP1 - METAL PANEL MORIN W-12 WHITE
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16

GENERAL NOTE - RCP

A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
B. THE CEILING HEIGHT SHOWN IN THE ROOM TAG INDICATES THE HEIGHT OF THE DOMINANT CEILING FINISH. SEE ADDITIONAL CEILING FINISH CALLOUTS FOR OTHER CEILING HEIGHT OR FEATURES.
C. THE CONTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHEIVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURRING BEFORE PROCEEDING WITH THE WORK.

KEYNOTE LEGEND	
Key Value	Keynote Text
08:SV2	SOFFIT VENT

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LEVEL 05 - RCP

A155

6/4/2021 3:18:55 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
05:GR2	CHAIN LINK RAILING, WALL MOUNTED EXTEND 42" A.F.F. MIN.
05:GR3	CHAIN LINK RAILING, FACE MOUNTED 42" A.F.F. MIN
05:GR4	CABLE RAILING EXTEND 42" A.F.F. MIN.
05:WB1	10" DEEP PAINTED 1/8" STEEL SHADOW BOX
08:HV1	6" HORIZONTAL BATHROOM EXHAUST VENT, SEE XX/XXXX
08:HV2	6" HORIZONTAL DRYER VENT, SEE XX/XXXX
08:SG1	SLIDING GLASS DOOR
10:ES1	EXTERIOR SIGNAGE 14" LETTERING
32:CF1	CHAIN LINK FENCE
BM3	VERTICAL BREAK METAL KNIFE PLATE, WHITE. TYP.
BM4	HORIZONTAL BREAK METAL SWEEP PROFILE, WHITE. TYP
MP1.1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP2	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP3	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP4	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP5	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP6	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP7	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS

BUILDING ELEVATIONS LEGEND

- MP1 - METAL PANEL MORIN W-12 WHITE
- MP1.1 - METAL PANEL MORIN W-12 PERFORATED
- MP2 - METAL PANEL MORIN Z-12-WHITE
- MP3 - SMOOTH METAL PANEL MORIN F-18 CLEAR COATED GALVALUME
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP6 - SMOOTH METAL PANEL MORIN F-12 WHITE
- MP7 - SMOOTH METAL PANEL MORIN F-12 COPPER
- ML1 - 2"x2" WOVEN WIRE MESH LATTICE

GENERAL NOTES - BUILDING ELEVATION

A. COORDINATE GRADING SHOWN ON ELEVATIONS w/ CIVIL
B. PROVIDE GUTTERS AND DOWN SPOUTS w/ HEAT CABLE, SNOW FENCES, AND SNOW CLIPS - SEE ROOF PLAN
C. FOR TYPICAL WALL ASSEMBLY INCLUDING MATERIAL DESIGNATIONS AND DETAILING APPROACH, SEE A350 SERIES



A6 A201 BUILDING ELEVATION - NORTH
1/4" = 1'-0"



A3 A201 BUILDING ELEVATION - SOUTH
1/4" = 1'-0"

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BUILDING ELEVATIONS

A201

6/4/2021 3:15:35 PM

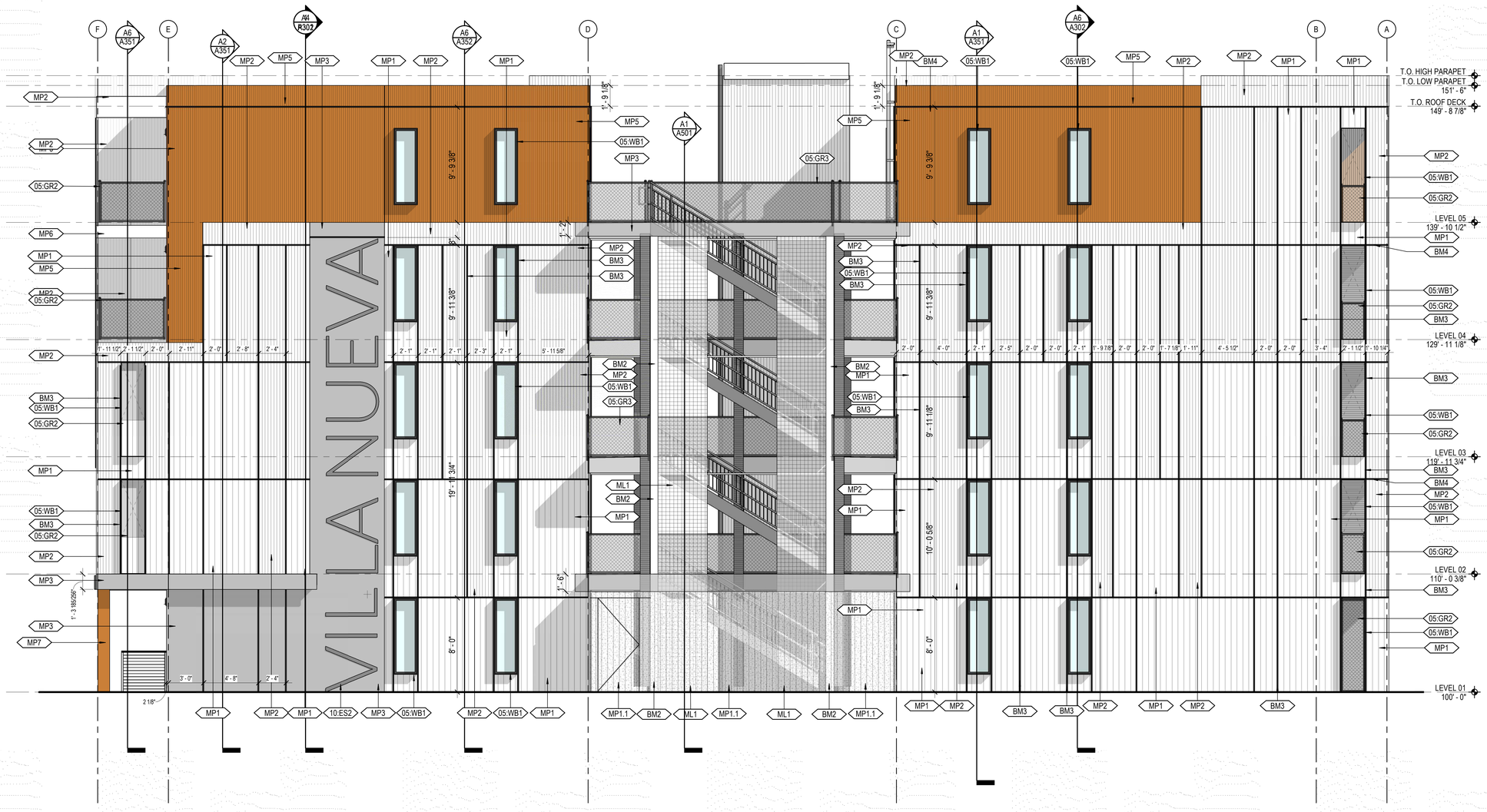
KEYNOTE LEGEND	
Key Value	Keynote Text
05:GR2	CHAIN LINK RAILING, WALL MOUNTED EXTEND 42" A.F.F. MIN.
05:GR3	CHAIN LINK RAILING, FACE MOUNTED 42" A.F.F. MIN
05:WB1	10" DEEP PAINTED 1/8" STEEL SHADOW BOX
10:ES2	EXTERIOR SIGNAGE 52" LETTERING
BM2	BREAK METAL, WHITE
BM3	VERTICAL BREAK METAL KNIFE PLATE, WHITE. TYP.
BM4	HORIZONTAL BREAK METAL SWEEP PROFILE, WHITE. TYP
ML1	2X2 WOVEN WIRE MESH LATTICE
MP1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP1.1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP2	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP3	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP5	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP6	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP7	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS

BUILDING ELEVATIONS LEGEND

- MP1 - METAL PANEL MORIN W-12 WHITE
- MP1.1 - METAL PANEL MORIN W-12 PERFORATED
- MP2 - METAL PANEL MORIN Z-12-WHITE
- MP3 - SMOOTH METAL PANEL MORIN F-18 CLEAR COATED GALVALUME
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP6 - SMOOTH METAL PANEL MORIN F-12 WHITE
- MP7 - SMOOTH METAL PANEL MORIN F-12 COPPER
- ML1 - 2"x2" WOVEN WIRE MESH LATTICE

GENERAL NOTES - BUILDING ELEVATION

A. COORDINATE GRADING SHOWN ON ELEVATIONS w/ CIVIL
B. PROVIDE GUTTERS AND DOWN SPOUTS w/ HEAT CABLE, SNOW FENCES, AND SNOW CLIPS - SEE ROOF PLAN
C. FOR TYPICAL WALL ASSEMBLY INCLUDING MATERIAL DESIGNATIONS AND DETAILING APPROACH, SEE A350 SERIES



A6 / A202 BUILDING ELEVATION - WEST
1/4" = 1'-0"

6/4/2021 3:26:59 PM

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BUILDING ELEVATIONS

A202

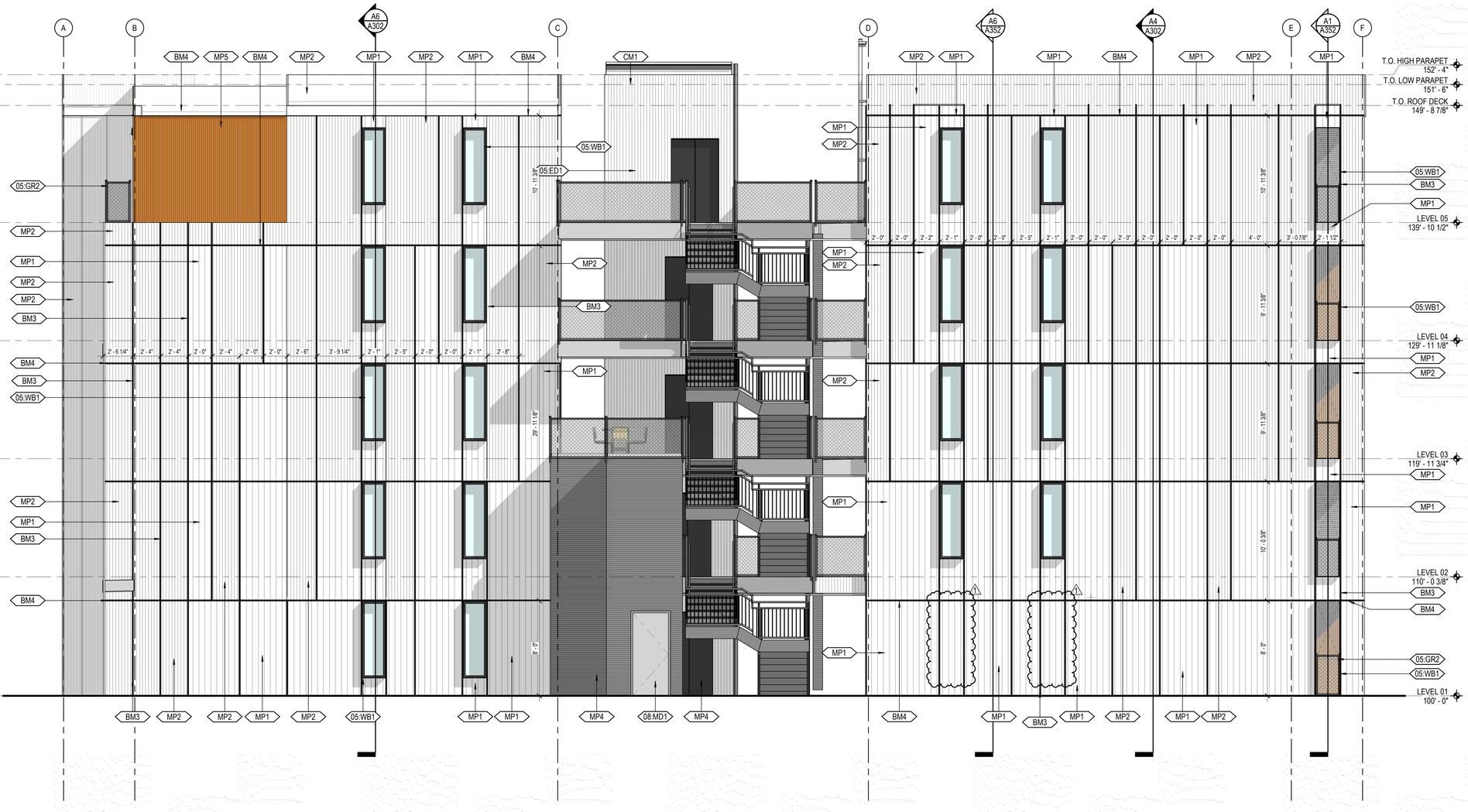
KEYNOTE LEGEND	
Key Value	Keynote Text
05:ED1	BRUSHED STAINLESS STEEL ELEVATOR DOOR
05:GR2	CHAIN LINK RAILING, WALL MOUNTED EXTEND 42" A.F.F. MIN.
05:WB1	10" DEEP PAINTED 1/8" STEEL SHADOW BOX
08:MD1	HOLLOW METAL DOOR AND FRAME AS SCHEDULED, ARCHITECT TO SELECT COLOR
BM3	VERTICAL BREAK METAL KNIFE PLATE, WHITE. TYP.
BM4	HORIZONTAL BREAK METAL SWEEP PROFILE, WHITE. TYP
CM1	CMU WITH CUSTOM PAINTED GRAPHIC PER OWNER HIRED ARTIST
MP1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP2	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP4	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP5	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS

BUILDING ELEVATIONS LEGEND

- MP1 - METAL PANEL — MORIN W-12 WHITE
- MP1.1 - METAL PANEL — MORIN W-12 PERFORATED
- MP2 - METAL PANEL — MORIN Z-12-WHITE
- MP3 - SMOOTH METAL PANEL — MORIN F-18 CLEAR COATED GALVALUME
- MP4 - COORUGATED METAL PANEL — MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL — MORIN INTEGRITY S-16
- MP6 - SMOOTH METAL PANEL — MORIN F-12 WHITE
- MP7 - SMOOTH METAL PANEL — MORIN F-12 COPPER
- ML1 - 2"x2" WOVEN WIRE MESH LATTICE

GENERAL NOTES - BUILDING ELEVATION

A. COORDINATE GRADING SHOWN ON ELEVATIONS w/ CIVIL
B. PROVIDE GUTTERS AND DOWN SPOUTS w/ HEAT CABLE, SNOW FENCES, AND SNOW CLIPS - SEE ROOF PLAN
C. FOR TYPICAL WALL ASSEMBLY INCLUDING MATERIAL DESIGNATIONS AND DETAILING APPROACH, SEE A350 SERIES



A6 / A203 **BUILDING ELEVATION - EAST**
1/4" = 1'-0"

8/4/2021 12:02:37 PM

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BUILDING ELEVATIONS

A203

KEYNOTE LEGEND	
Key Value	Keynote Text
05:GR3	CHAIN LINK RAILING, FACE MOUNTED 42" A.F.F. MIN
07:DS1	DOWNSPOUT
07:RG1	PRE-FINISHED METAL RAIN GUTTER
BM1	BREAK METAL, BLACK
BM3	VERTICAL BREAK METAL KNIFE PLATE, WHITE. TYP.
MP1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP1.1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP2	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP3	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS
MP5	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS

BUILDING ELEVATIONS LEGEND

- MP1 - METAL PANEL MORIN W-12 WHITE
- MP1.1 - METAL PANEL MORIN W-12 PERFORATED
- MP2 - METAL PANEL MORIN Z-12-WHITE
- MP3 - SMOOTH METAL PANEL MORIN F-18 CLEAR COATED GALVALUME
- MP4 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP5 - COORUGATED METAL PANEL MORIN INTEGRITY S-16
- MP6 - SMOOTH METAL PANEL MORIN F-12 WHITE
- MP7 - SMOOTH METAL PANEL MORIN F-12 COPPER
- ML1 - 2"x2" WOVEN WIRE MESH LATTICE

GENERAL NOTES - BUILDING ELEVATION

A. COORDINATE GRADING SHOWN ON ELEVATIONS w/ CIVIL
B. PROVIDE GUTTERS AND DOWN SPOUTS w/ HEAT CABLE, SNOW FENCES, AND SNOW CLIPS - SEE ROOF PLAN
C. FOR TYPICAL WALL ASSEMBLY INCLUDING MATERIAL DESIGNATIONS AND DETAILING APPROACH, SEE A350 SERIES



A6 A204 BUILDING ELEVATION - BREEZEWAY - NORTH
1/4" = 1'-0"



A3 A204 BUILDING ELEVATION - BREEZEWAY - SOUTH
1/4" = 1'-0"

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BUILDING ELEVATIONS

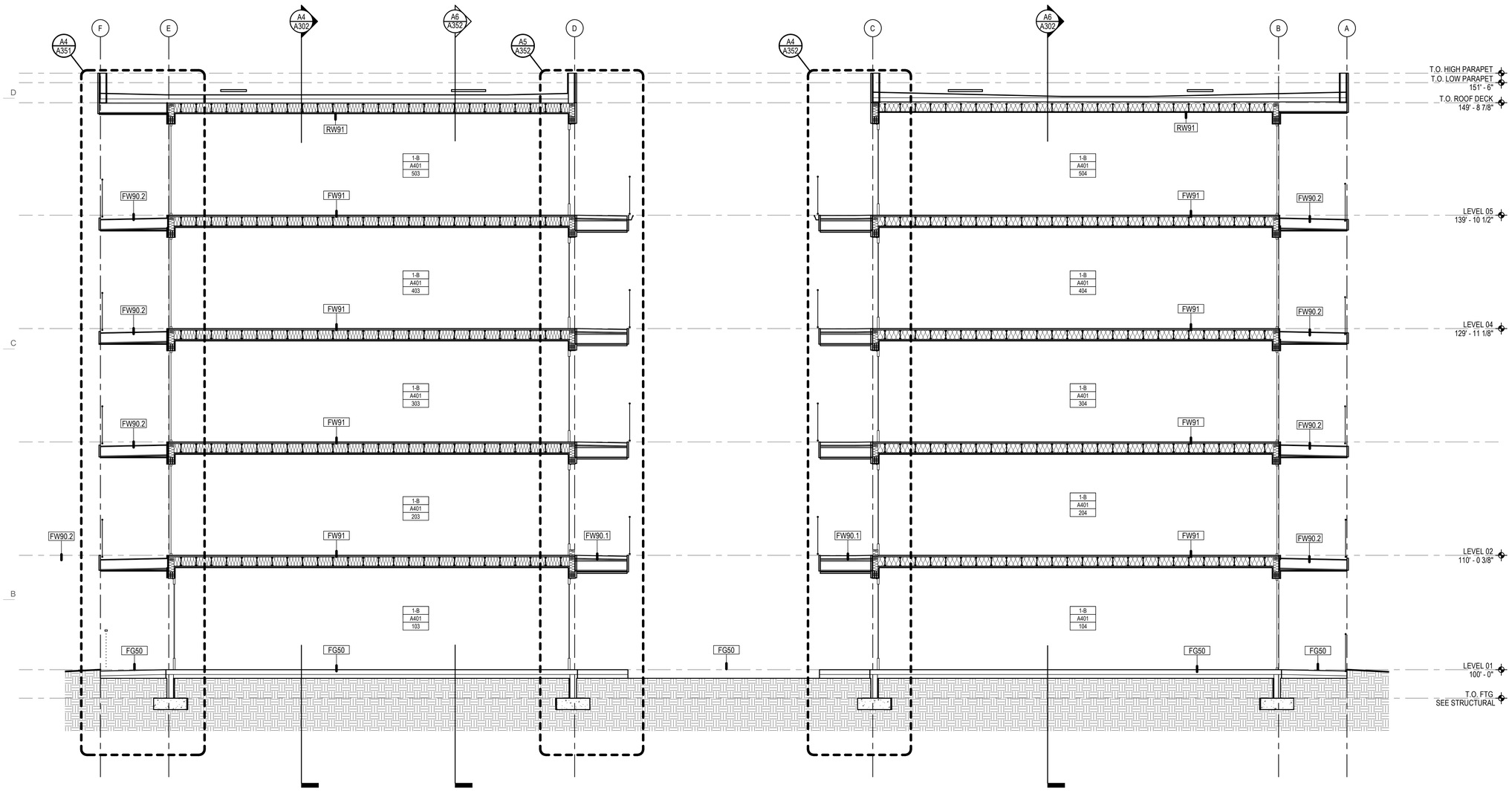
A204

6/4/2021 3:38:13 PM

GENERAL NOTE - SECTION

A. DO NOT SCALE DRAWINGS.
B. WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
C. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.

KEYNOTE LEGEND	
Key Value	Keynote Text



A6 A301 BUILDING SECTION 1 - NS
1/4" = 1'-0"

6/4/2021 3:10:42 PM

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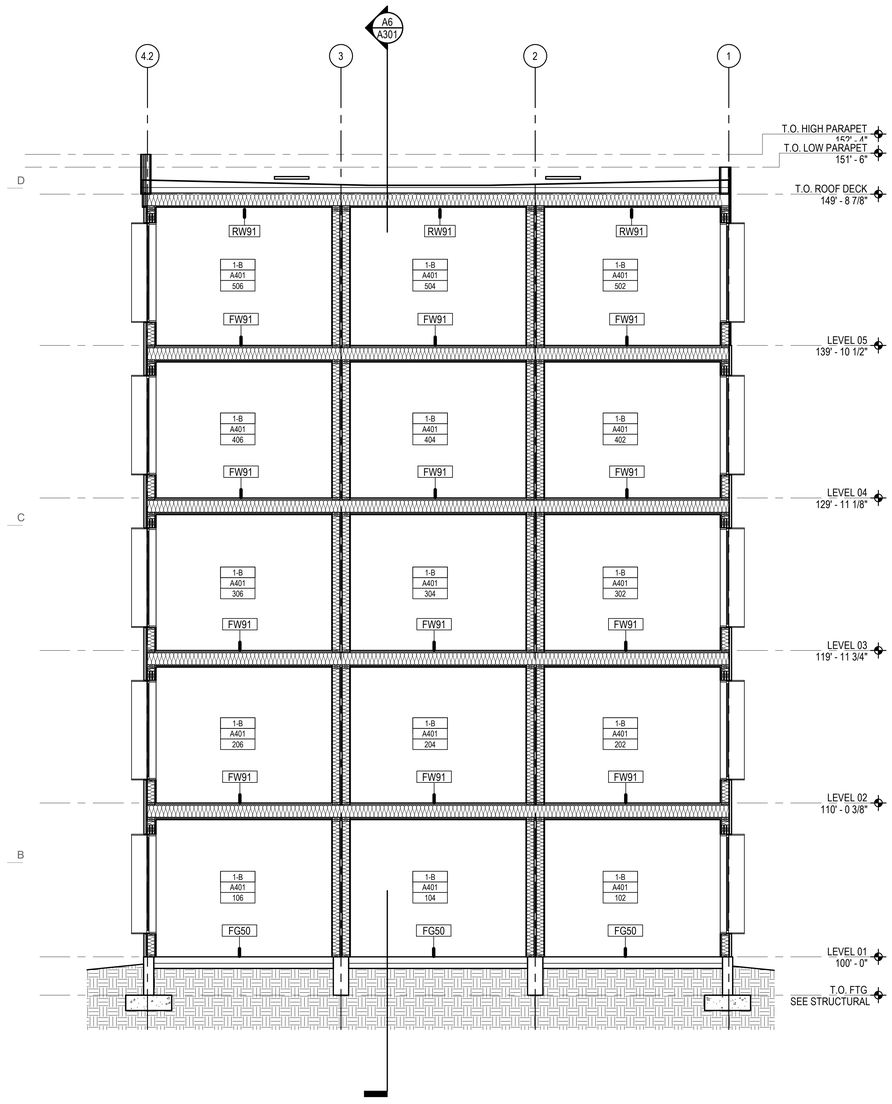
BUILDING SECTIONS

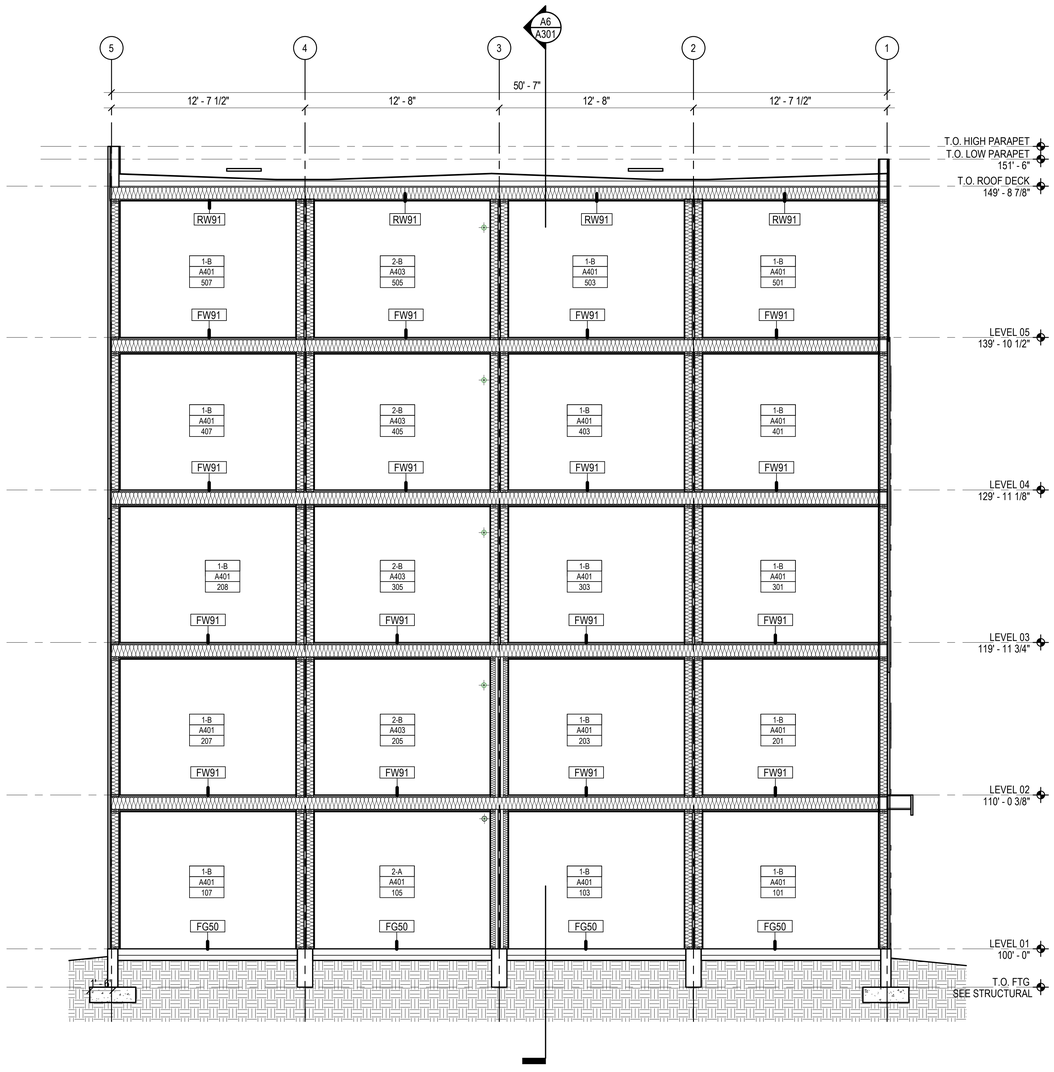
A301

GENERAL NOTE - SECTION

A. DO NOT SCALE DRAWINGS.
B. WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
C. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.



A6 A302 **BUILDING SECTION 3 - EW**
1/4" = 1'-0"



A4 A302 **BUILDING SECTION 2 - EW**
1/4" = 1'-0"

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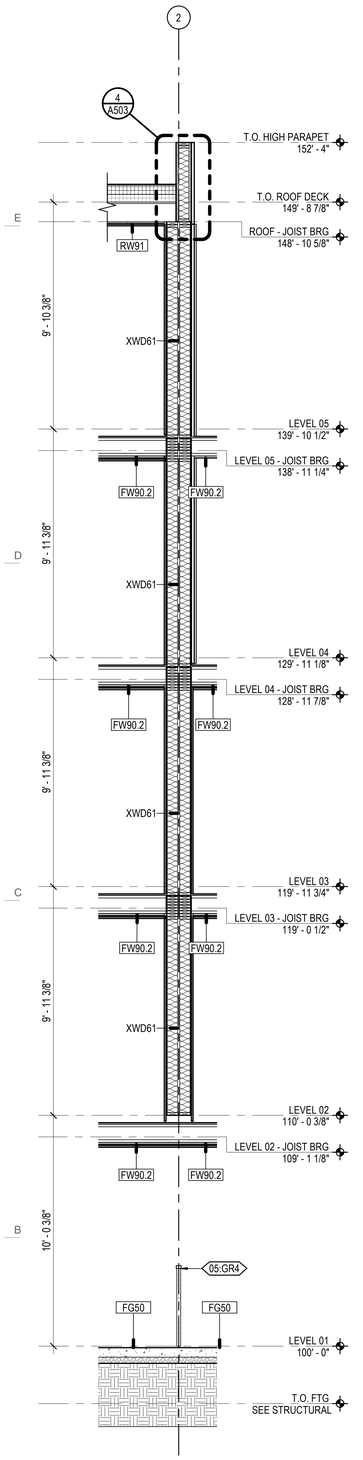
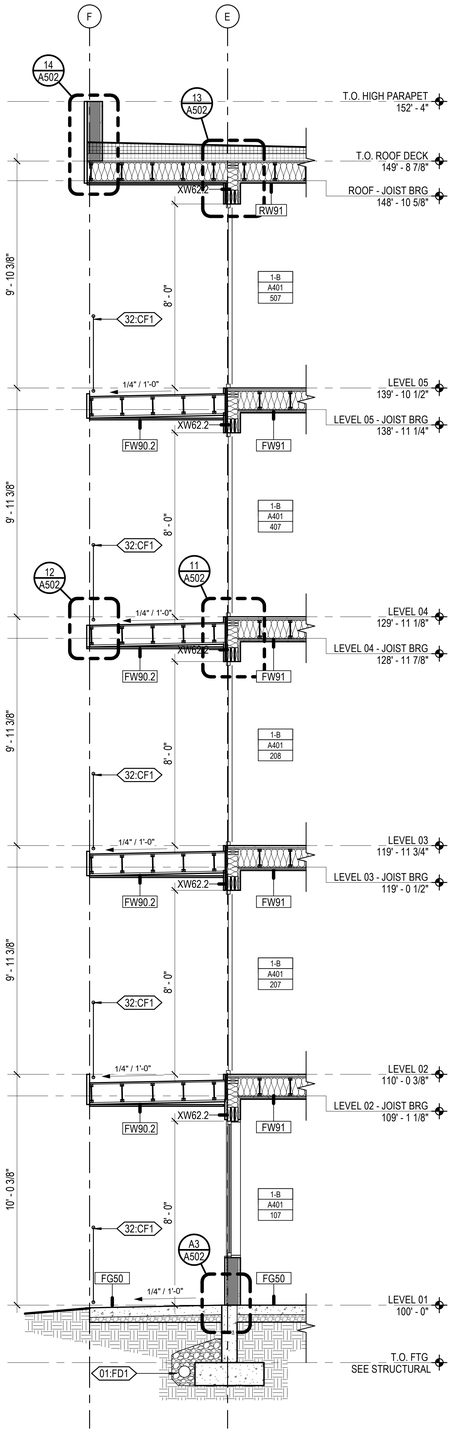
BUILDING SECTIONS

A302

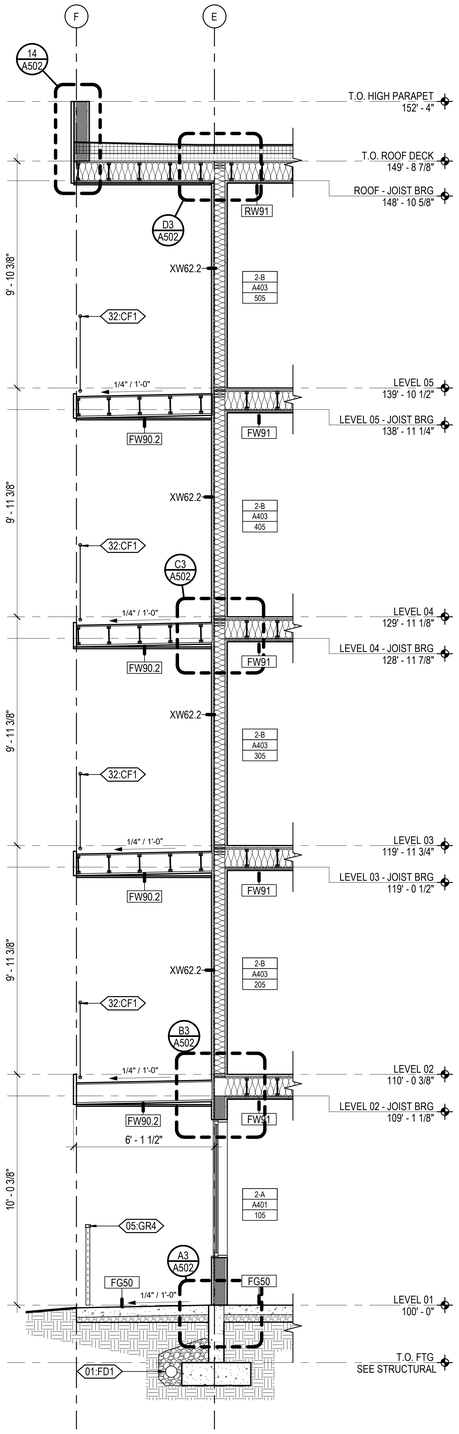
6/4/2021 3:30:12 PM



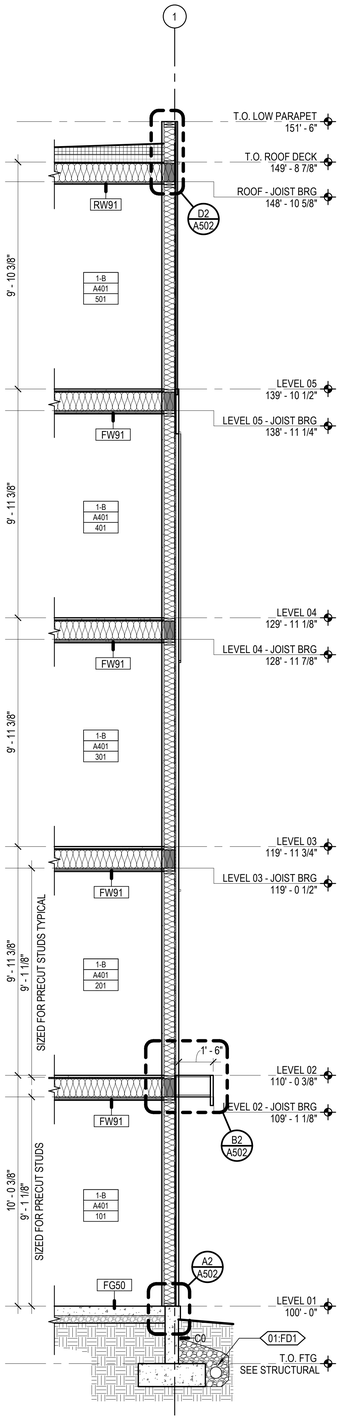
A6 WALL SECTION - GRID 2/E
A351 3/8" = 1'-0"



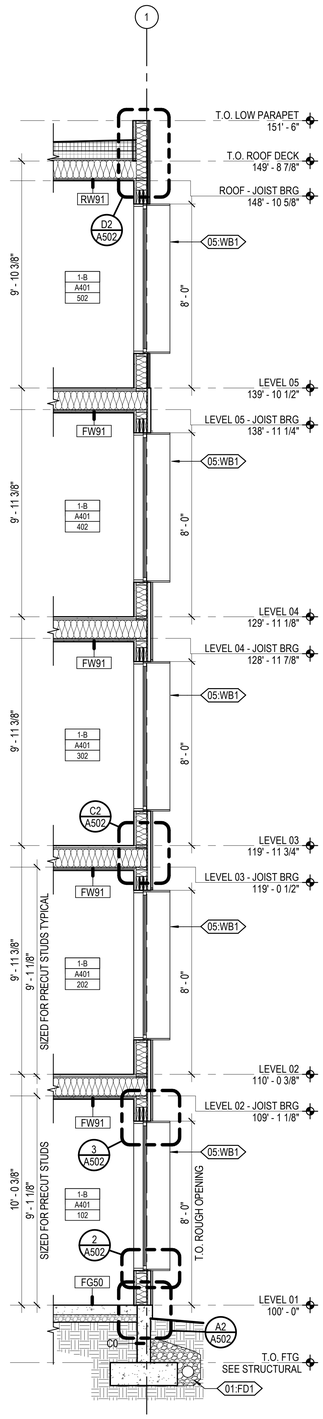
A5 WALL SECTION - GRID F/4
A351 3/8" = 1'-0"



A4 WALL SECTION - GRID F/3
A351 3/8" = 1'-0"



A2 WALL SECTION - GRID 1/D.5
A351 3/8" = 1'-0"



A1 WALL SECTION - GRID 1/C
A351 3/8" = 1'-0"

GENERAL NOTE - SECTION

A. DO NOT SCALE DRAWINGS.
B. WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
C. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.

KEYNOTE LEGEND	
Key Value	Keynote Text
01:FD1	FREE DRAINING GRAVEL AND DRAIN
05:GR4	CABLE RAILING EXTEND 42" A.F.F. MIN.
05:WB1	10" DEEP PAINTED 1/8" STEEL SHADOW BOX
32:CF1	CHAIN LINK FENCE

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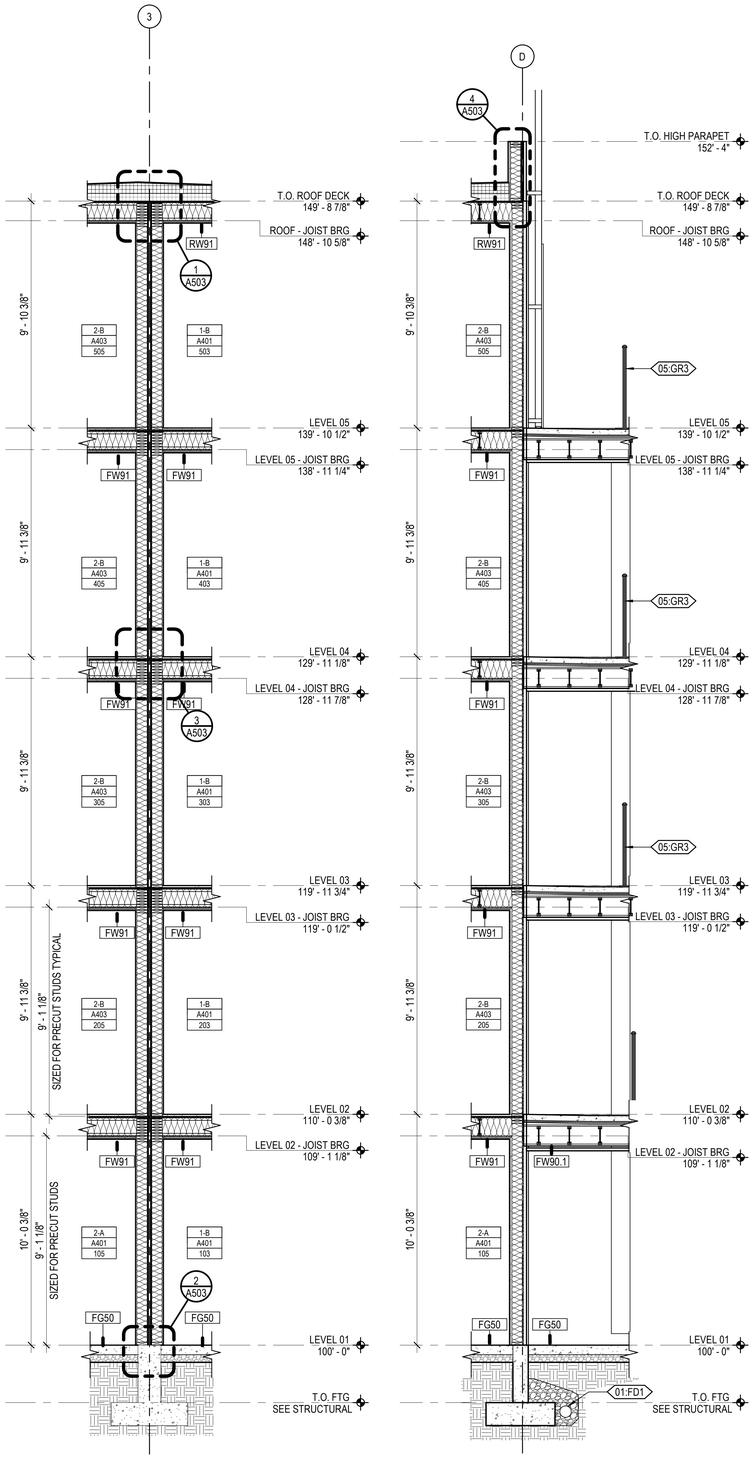
WALL SECTIONS

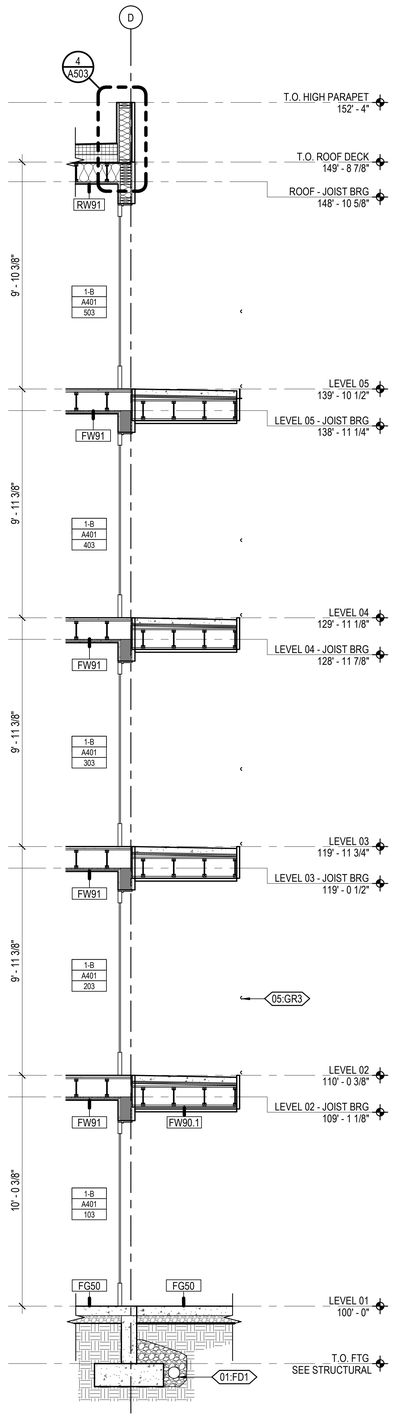
6/4/2021 3:11:19 PM

A351

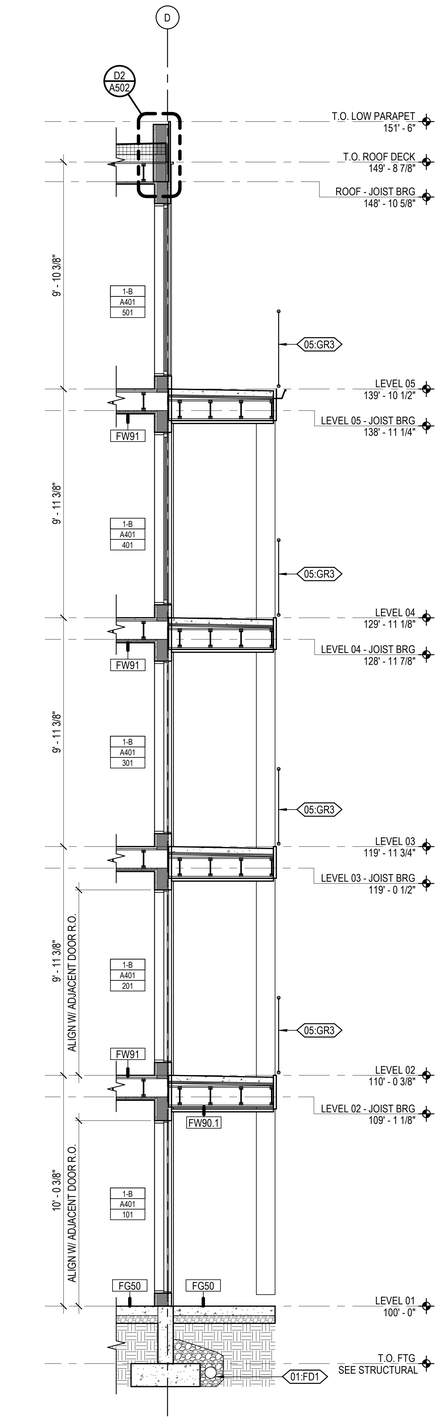


A6 WALL SECTION - GRID 3/D
A352 3/8" = 1'-0"

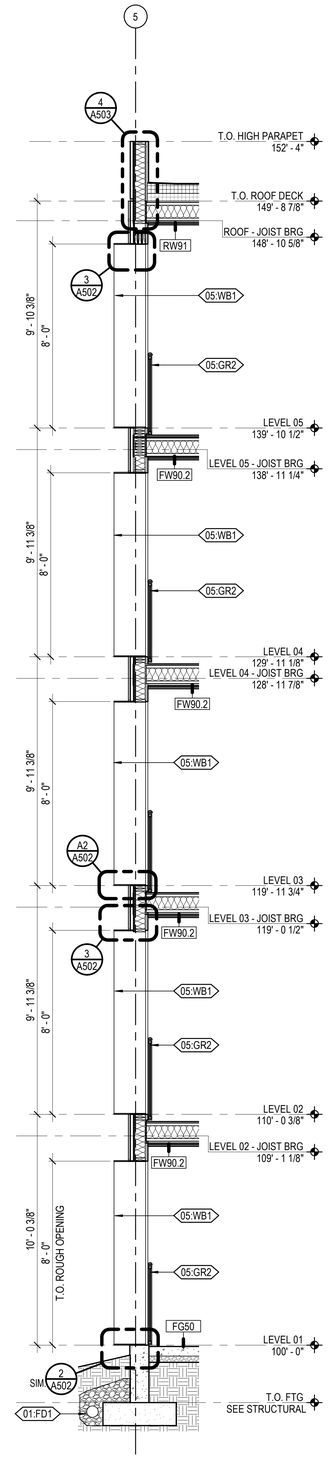
A5 WALL SECTION - GRID D/4
A352 3/8" = 1'-0"



A4 WALL SECTION - GRID D/2
A352 3/8" = 1'-0"



A3 WALL SECTION - GRID D/1.2
A352 3/8" = 1'-0"



A1 WALL SECTION - GRID 5/E
A352 3/8" = 1'-0"

GENERAL NOTE - SECTION

A. DO NOT SCALE DRAWINGS.
B. WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
C. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.

KEYNOTE LEGEND	
Key Value	Keynote Text
01:FD1	FREE DRAINING GRAVEL AND DRAIN
05:GR2	CHAIN LINK RAILING, WALL MOUNTED EXTEND 42" A.F.F. MIN.
05:GR3	CHAIN LINK RAILING, FACE MOUNTED 42" A.F.F. MIN
05:WB1	10" DEEP PAINTED 1/8" STEEL SHADOW BOX

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STATE OF UTAH
JUSTIN VANCE
5000975-0301
5.12.21
LICENSED ARCHITECT

VILLA NUEVA LLC.
MICRO VILLAS
915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

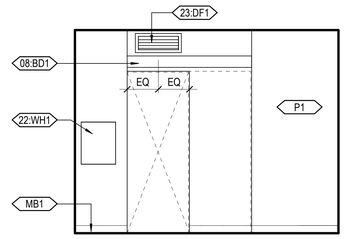
BID/ PERMIT SET

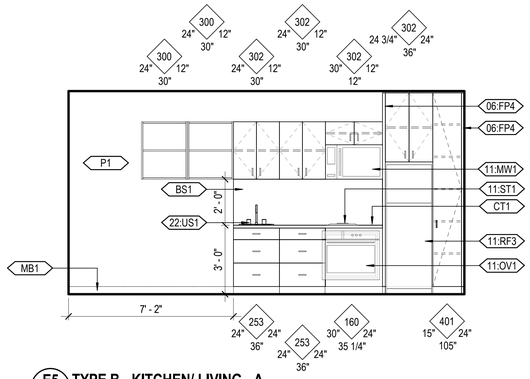
NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

WALL SECTIONS

A352

6/4/2021 3:38:54 PM





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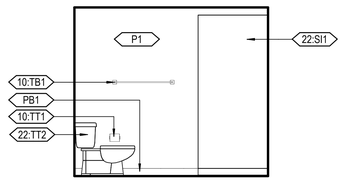
E6 TYPE B - KITCHEN/ LIVING - D
A401 3/8" = 1'-0"



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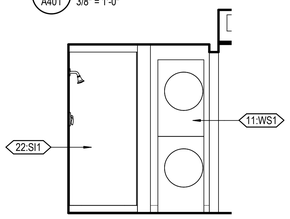
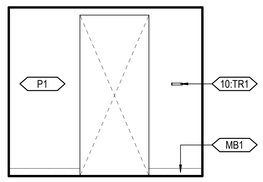
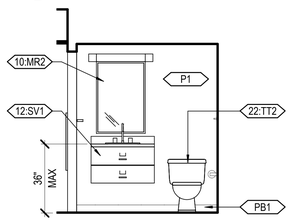




D4 UNIT TYPE 1-B - BATHROOM ELEVATION C
A401 3/8" = 1'-0"

D

D6 UNIT TYPE 1-B - BATHROOM ELEVATION A
A401 3/8" = 1'-0"



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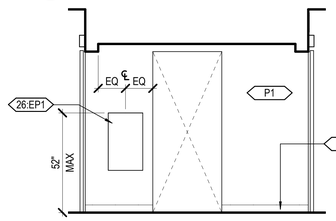
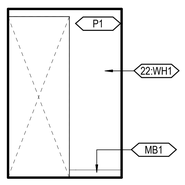


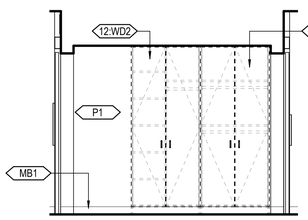


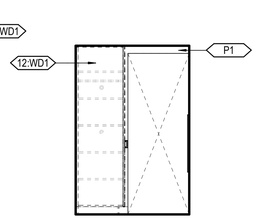
C4 UNIT TYPE 1-B - WARDROBE ELEVATION B
A401 3/8" = 1'-0"

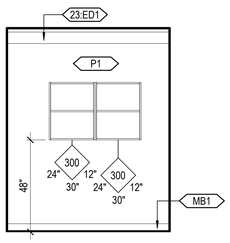
C

C6 UNIT TYPE 1-B - BATHROOM ELEVATION D
A401 3/8" = 1'-0"

C5 UNIT TYPE 1-B - WARDROBE ELEVATION A
A401 3/8" = 1'-0"





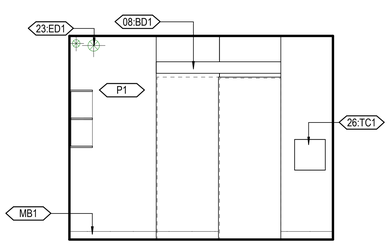


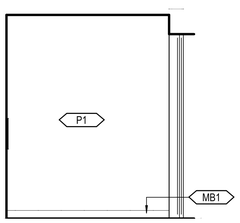
B6 UNIT TYPE 1-B - WARDROBE ELEVATION C
A401 3/8" = 1'-0"

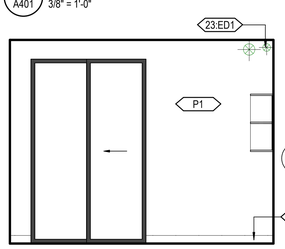
B5 UNIT TYPE 1-B - WARDROBE ELEVATION D
A401 3/8" = 1'-0"

B

B4 UNIT TYPE 1-B - BEDROOM ELEVATION A
A401 3/8" = 1'-0"







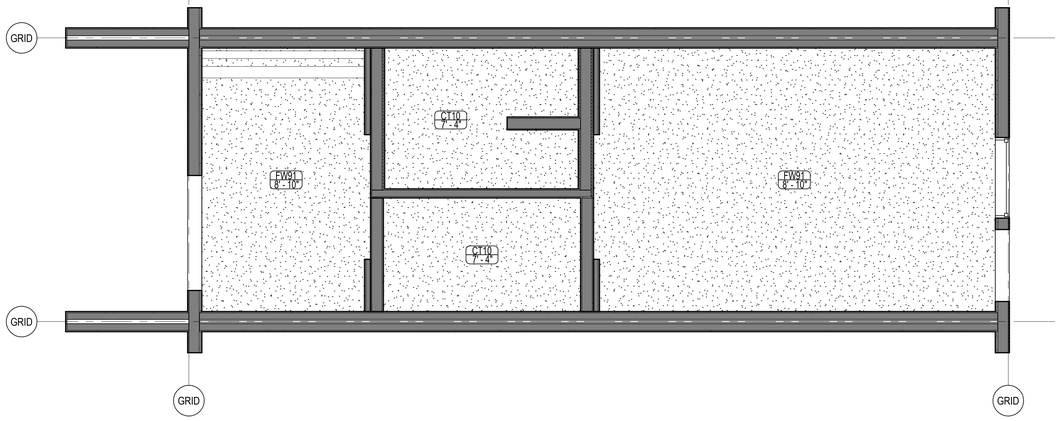
A4 UNIT TYPE 1-B - BEDROOM ELEVATION D
A401 3/8" = 1'-0"

A

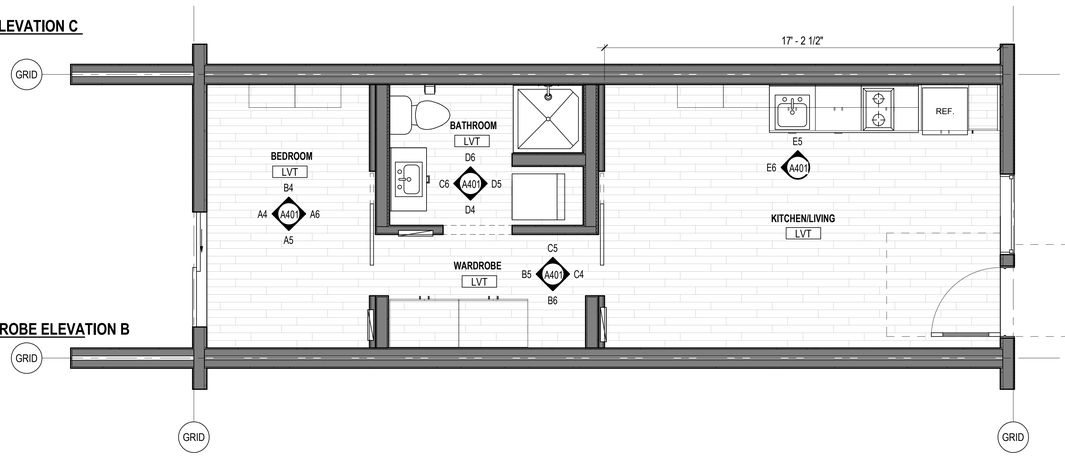
A6 UNIT TYPE 1-B - BEDROOM ELEVATION B
A401 3/8" = 1'-0"

A5 UNIT TYPE 1-B - BEDROOM ELEVATION C
A401 3/8" = 1'-0"

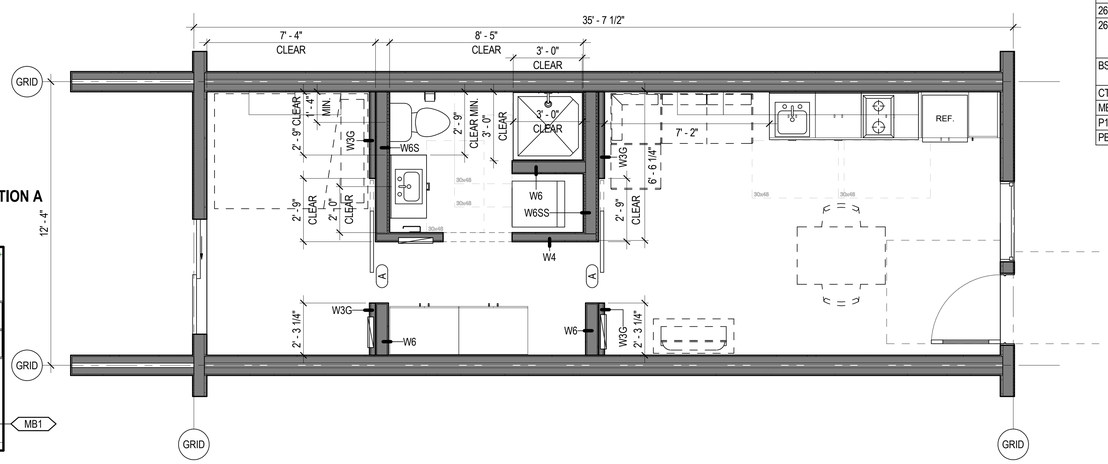
8/4/2021 2:28:08 PM



D3 ENLARGED UNIT RCP - UNIT TYPE 1-B
A401 3/8" = 1'-0"



B3 ENLARGED UNIT PLAN (NOTES) - UNIT TYPE 1-B
A401 3/8" = 1'-0"



A3 ENLARGED UNIT PLAN (DIMENSION) - UNIT TYPE 1-B
A401 3/8" = 1'-0"

GENERAL NOTE - ENLARGED UNIT FLOOR PLAN

A. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
B. FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
C. DO NOT SCALE DRAWINGS.
D. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
E. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.
F. EXTENDED FLOOR FINISHES UNDER ALL CABINETRY
G. PROVIDE BLOCKING/BACKING FOR MOUNTING OF WALL-MOUNTED CABINETS, FIXTURES, EQUIPMENT, FOOT SHELVES AND FUTURE GRAB BARS PER ACCESSIBILITY CODE AND MANUFACTURER'S RECOMMENDATIONS IN ALL TYPE "B" UNITS. COORDINATE THIS REQUIREMENT THROUGH ALL FLOOR PLANS, EQUIPMENT PLANS, AND INTERIOR ELEVATIONS. SEE DETAIL B1 / A701 FOR BACKING STANDARDS AND LOCATIONS. FOR REQUIRED MOISTURE BOARD OR TILE BACKER BOARD SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR APPLICABLE AREAS. UNLESS WALL IS FIRE-RATED; MOISTURE BOARD OR BACKER BOARD WILL BE USED IN PLACE OF NOTED GYPSUM BOARD.
H. ON ALL EXPOSED CABINET SIDES, INCLUDING KNEE OPENINGS, PROVIDE FINISHED FACE TO MATCH CABINET FRONTS. PROVIDE SIDE SPLASHES WHENEVER COUNTERTOPS ARE ADJACENT TO WALLS.
I. EACH BATHROOM IS TO RECEIVE (1) TOWEL RING PER SINK, (1) TOILET PAPER DISPENSER PER TOILET, (1) ROBE HOOK, (1) TOWEL BAR PER SHOWER AND/OR TUB; WHERE EACH OCCURS.
J. ALL UPPER CABINETS TO BE FURNISHED WITH 2 SHELVES AND ADJUSTABLE BRACKETS; PANTRY FURNISHED WITH 4 SHELVES AND ADJUSTABLE BRACKETS.
K. ALL WALLS BEHIND CABINETS TO BE FINISHED PRIOR TO INSTALLATION OF CABINETS.
L. ALL CABINETS INDICATED TO BE REMOVABLE SHALL BE REMOVABLE WITHOUT REMOVAL OR REPLACEMENT OF THE SINK.

KEYNOTE LEGEND

Key Value	Keynote Text
06:FP4	1 1/2" FILLER PANEL
08:BD1	BARN DOOR HARDWARE
10:MR2	INTEGRATED MIRROR AND VANITY LIGHT
10:TB1	TOWEL BAR
10:TR1	TOWEL RING
10:TT1	TOILET TISSUE DISPENSER
11:MW1	OVER-THE- RANGE MICROWAVE W/ INTEGRAL RECIRCULATING HOOD
11:OV1	30" WALL MOUNTED OVEN
11:RF3	24" WIDE REFRIGERATOR/FREEZER; COUNTER DEPTH
11:ST1	2-BURNER INDUCTION GLASS STOVE TOP, SURFACE MOUNTED ; ADA ACCESSIBLE CONTROLS
11:WS1	STACKING WASHER AND DRYER
12:SV1	FLOATING VANITY
12:WD1	WARDROBE WITH 2 RODS AND SHELVES
12:WD2	WARDROBE WITH (1) ROD AND ADJUSTABLE SHELVES
22:SI1	ACRYLIC SHOWER INSERT
22:TT2	FLOOR MOUNT TOILET
22:US1	UNDER COUNTER MOUNTED SINK
22:WH1	RECESSED WATER PANEL; PROVIDE ACCESS PANEL FOR CONCEALMENT
23:DF1	DIFFUSER
23:ED1	EXPOSED SPIRAL DUCT, GALVANIZED FINISH
26:EP1	ELECTRICAL PANEL
26:TC1	RECESSED TELECOM PANEL; PROVIDE ACCESS PANEL FOR CONCEALMENT
BS1	BACKSPLASH; RUN TO BOTTOM OF OVERHEAD CABINETS
CT1	COUNTERTOP
MB1	4" MDF BASE TRIM
P1	PAINT
PB1	4" PINE BASE TRIM

Date Revision

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Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
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STATE OF UTAH
JULIE VAN NOTE
5000975-0301
5/12/21
LICENSED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

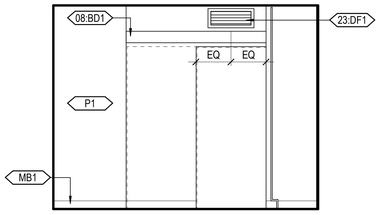
915 WEST 200 N SALT LAKE CITY UT, 84116

BID/ PERMIT SET

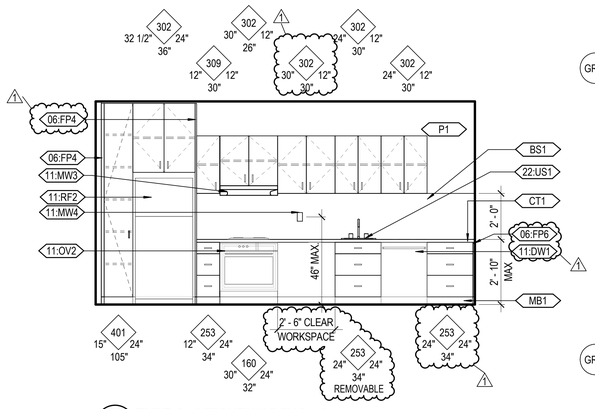
NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

ENLARGED UNIT PLANS (1-B)

A401



E6 TYPE A - KITCHEN/ LIVING - D
A402 3/8" = 1'-0"



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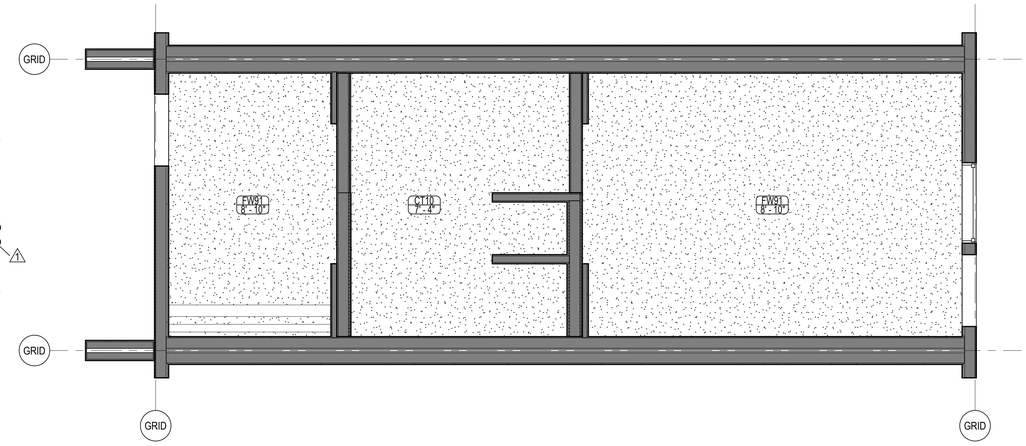
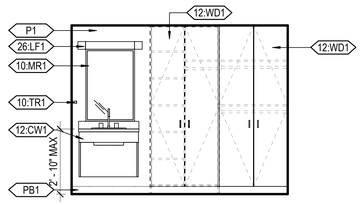
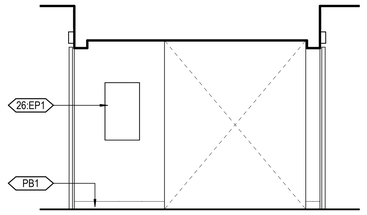
A402 3/8" = 1'-0"



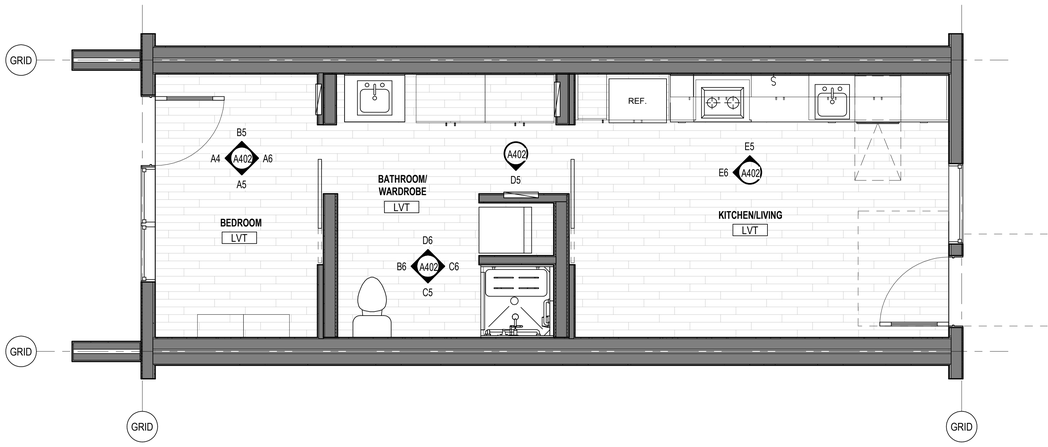
D3 ENLARGED UNIT RCP - UNIT TYPE 2-A
A402 3/8" = 1'-0"



D6 TYPE A - BATHROOM ELEVATION A
A402 3/8" = 1'-0"



D5 TYPE A - WARDROBE ELEVATION C
A402 3/8" = 1'-0"



B3 ENLARGED UNIT PLAN (NOTES) - UNIT TYPE 2-A
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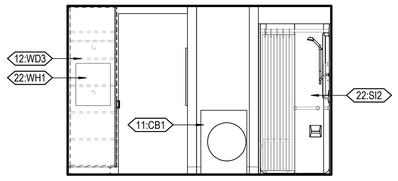
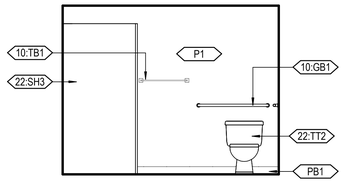
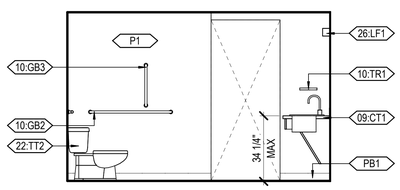


C6 TYPE A - BATHROOM ELEVATION B
A402 3/8" = 1'-0"



C5 TYPE A - BATHROOM ELEVATION C
A402 3/8" = 1'-0"



B6 TYPE A - BATHROOM ELEVATION D
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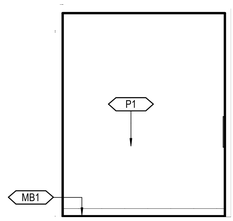
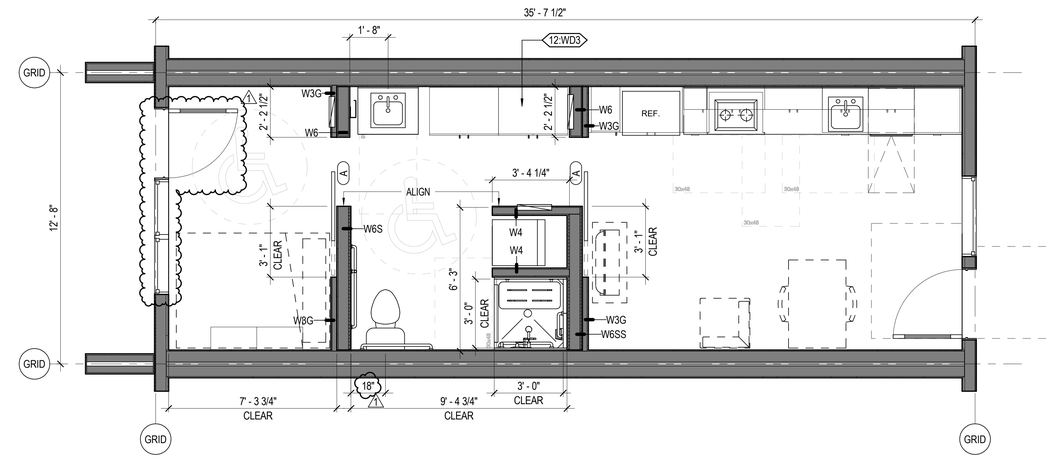
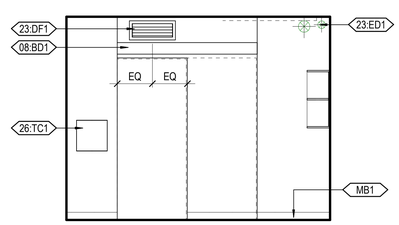


B5 TYPE A - BEDROOM ELEVATION A
A402 3/8" = 1'-0"



A3 ENLARGED UNIT PLAN (DIMENSION) - UNIT TYPE 2-A
A402 3/8" = 1'-0"



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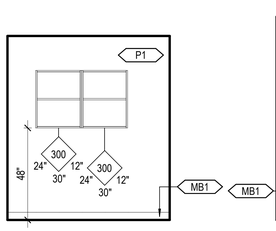
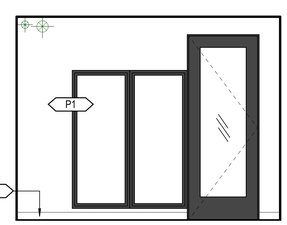


A5 TYPE A - BEDROOM ELEVATION C
A402 3/8" = 1'-0"



A4 TYPE A - BEDROOM ELEVATION D
A402 3/8" = 1'-0"

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GENERAL NOTE - ENLARGED UNIT FLOOR PLAN

A. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
B. FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
C. DO NOT SCALE DRAWINGS.
D. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
E. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.
F. EXTENDED FLOOR FINISHES UNDER ALL CABINETRY
G. PROVIDE BLOCKING/BACKING FOR MOUNTING OF WALL-MOUNTED CABINETS, FIXTURES, EQUIPMENT, FOOT SHELVES AND FUTURE GRAB BARS PER ACCESSIBILITY CODE AND MANUFACTURER'S RECOMMENDATIONS IN ALL TYPE "B" UNITS. COORDINATE THIS REQUIREMENT THROUGH ALL FLOOR PLANS, EQUIPMENT PLANS, AND INTERIOR ELEVATIONS. SEE DETAIL B1 / A701 FOR BACKING STANDARDS AND LOCATIONS. FOR REQUIRED MOISTURE BOARD OR TILE BACKER BOARD SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR APPLICABLE AREAS. UNLESS WALL IS FIRE-RATED; MOISTURE BOARD OR BACKER BOARD WILL BE USED IN PLACE OF NOTED GYPSUM BOARD.
H. ON ALL EXPOSED CABINET SIDES, INCLUDING KNEE OPENINGS, PROVIDE FINISHED FACE TO MATCH CABINET FRONTS. PROVIDE SIDE SPLASHES WHENEVER COUNTERTOPS ARE ADJACENT TO WALLS.
I. EACH BATHROOM IS TO RECEIVE (1) TOWEL RING PER SINK, (1) TOILET PAPER DISPENSER PER TOILET, (1) ROBE HOOK, (1) TOWEL BAR PER SHOWER AND/OR TUB; WHERE EACH OCCURS.
J. ALL UPPER CABINETS TO BE FURNISHED WITH 2 SHELVES AND ADJUSTABLE BRACKETS; PANTRY FURNISHED WITH 4 SHELVES AND ADJUSTABLE BRACKETS.
K. ALL WALLS BEHIND CABINETS TO BE FINISHED PRIOR TO INSTALLATION OF CABINETS.
L. ALL CABINETS INDICATED TO BE REMOVABLE SHALL BE REMOVABLE WITHOUT REMOVAL OR REPLACEMENT OF THE SINK.

KEYNOTE LEGEND

Key Value	Keynote Text
06:FP4	1 1/2" FILLER PANEL
06:FP6	1" FILLER PANEL
08:BD1	BARN DOOR HARDWARE
09:CT1	CERAMIC TILE OVER THIN SET MORTAR BED. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR EXTENTS, SIZE AND TYPE.
10:GB1	42" GRAB BAR
10:GB2	36" GRAB BAR
10:GB3	18" VERTICAL GRAB BAR
10:MR1	MIRROR (24"X36")
10:TB1	TOWEL BAR
10:TR1	TOWEL RING
11:CB1	COMBINATION WASHER/DRYER UNIT
11:DW1	24" DISHWASHER
11:MW3	HOOD ABOVE ADA STOVE
11:MW4	HOOD CONTROLS
11:OV2	30" ADA COMPLIANT RANGE; GLASS TOP RANGE WITH CONTROLS ON FACE OF APPLIANCE
11:RF2	ADA COMPLIANT 30" WIDE REFRIGERATOR/ FREEZER; COUNTER DEPTH
12:CW1	ADA COMPLIANT SINK AND CASEWORK
12:WD1	WARDROBE WITH 2 RODS AND SHELVES
12:WD3	SIDE CABINET TO BE MODIFIED TO PROVIDE ACCESS TO WATER HEATER ACCESS PANEL; TYPE A UNIT ONLY
22:SH3	PRE-FABRICATED SHOWER STALL
22:SI2	ACRYLIC TRANSFER SHOWER, REFERENCE DETAIL ON G701
22:TT2	FLOOR MOUNT TOILET
22:US1	UNDER COUNTER MOUNTED SINK
22:WH1	RECESSED WATER PANEL; PROVIDE ACCESS PANEL FOR CONCEALMENT
23:DF1	DIFFUSER
23:ED1	EXPOSED SPIRAL DUCT, GALVANIZED FINISH
26:EP1	ELECTRICAL PANEL
26:LF1	LIGHT FIXTURE
26:TC1	RECESSED TELECOM PANEL; PROVIDE ACCESS PANEL FOR CONCEALMENT
BS1	BACKSPLASH; RUN TO BOTTOM OF OVERHEAD CABINETS
CT1	COUNTERTOP
MB1	4" MDF BASE TRIM
P1	PAINT
PB1	4" PINE BASE TRIM

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5000975-0301
8.13.21
REGISTERED ARCHITECT

VILLA NUEVA LLC.

MICRO VILLAS

915 WEST 200 N SALT LAKE CITY UT, 84116

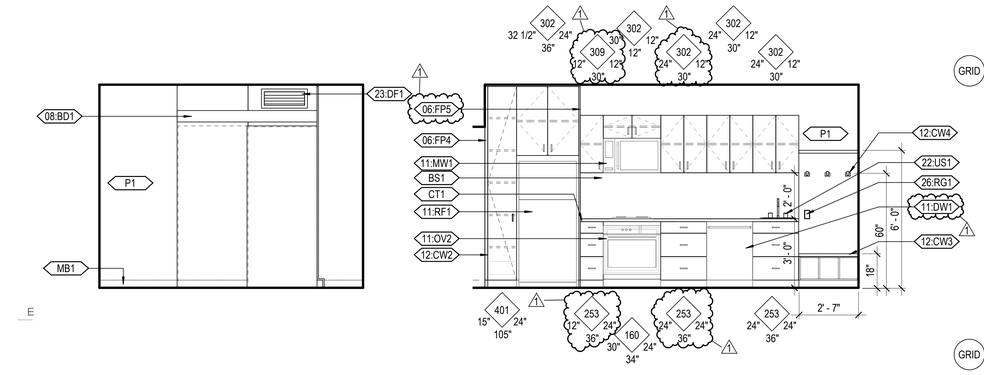
#	Date	Revision
1	8.3.21	CITY COMMENTS #1

BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

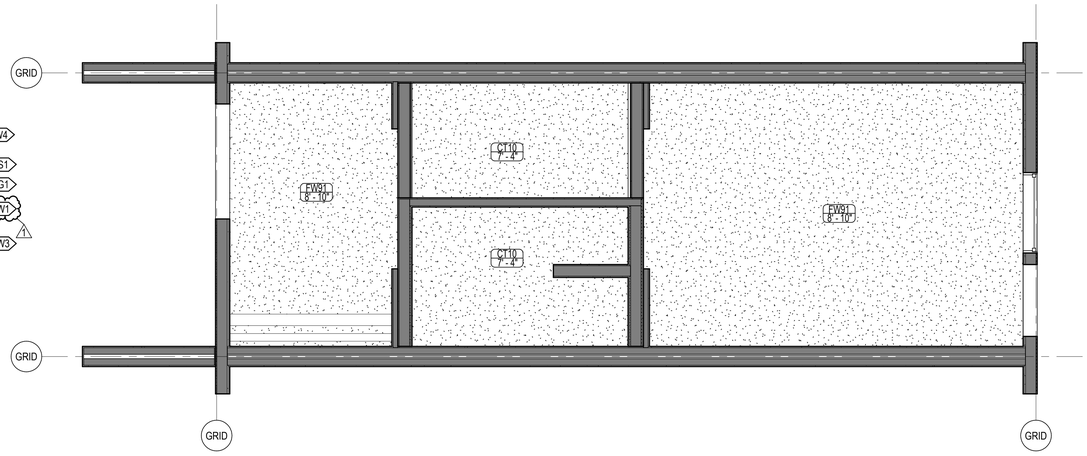
ENLARGED UNIT PLANS (2-A)

A402

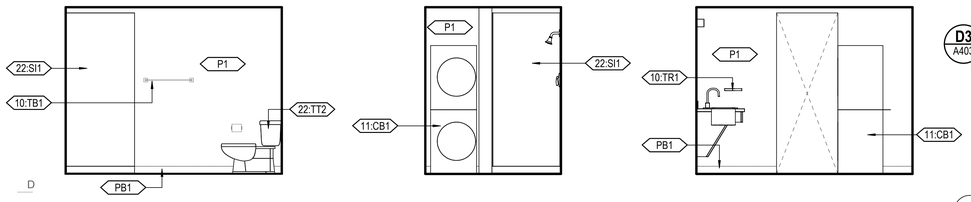


E6 A403 **TYPE B KITCHEN/ LIVING - D**
3/8" = 1'-0"

E5 A403 **TYPE 2-B KITCHEN/ LIVING - A**
3/8" = 1'-0"



D3 A403 **ENLARGED UNIT RCP - UNIT TYPE 2-B**
3/8" = 1'-0"

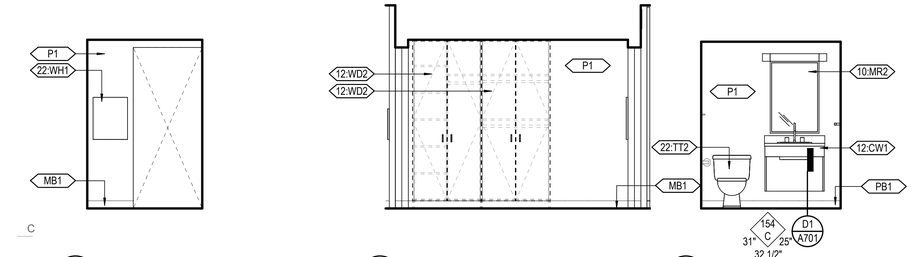


D6 A403 **TYPE 2-B - BATHROOM ELEVATION - C**
3/8" = 1'-0"

D5 A403 **TYPE 2-B - BATHROOM ELEVATION - B**
3/8" = 1'-0"

D4 A403 **TYPE 2-B - BATHROOM ELEVATION - A**
3/8" = 1'-0"



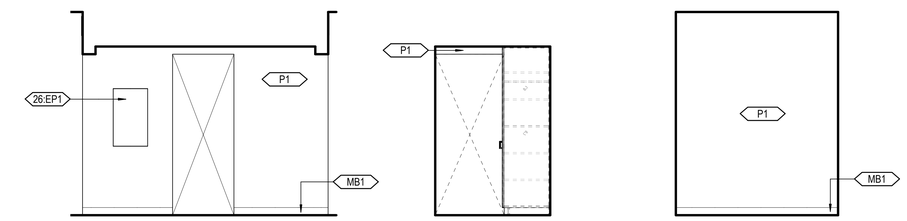


C6 A403 **TYPE 2-B - WARDROBE ELEVATION B**
3/8" = 1'-0"

C5 A403 **TYPE 2-B - WARDROBE ELEVATION A**
3/8" = 1'-0"

C4 A403 **TYPE 2-B - BATHROOM ELEVATION - D**
3/8" = 1'-0"

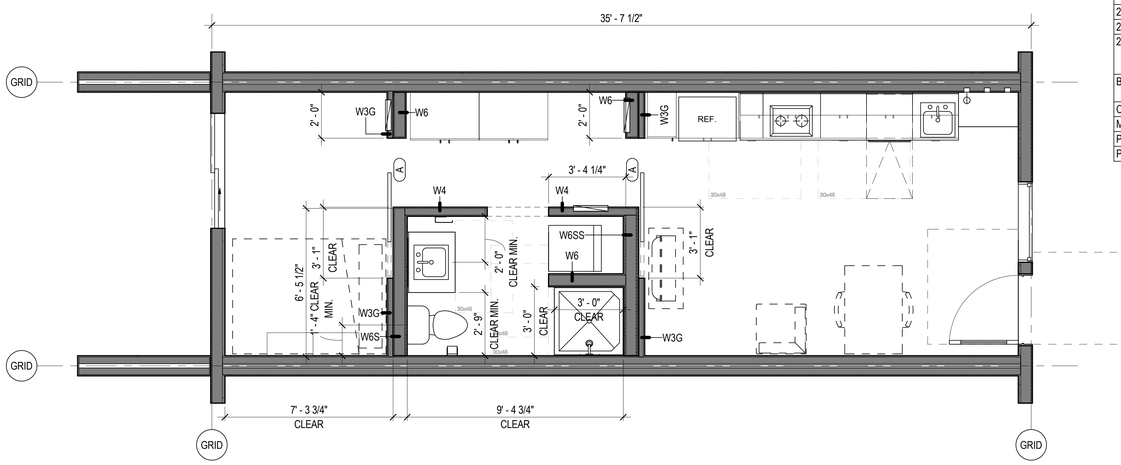
B3 A403 **ENLARGED UNIT PLAN (NOTES) - UNIT TYPE 2-B**
3/8" = 1'-0"



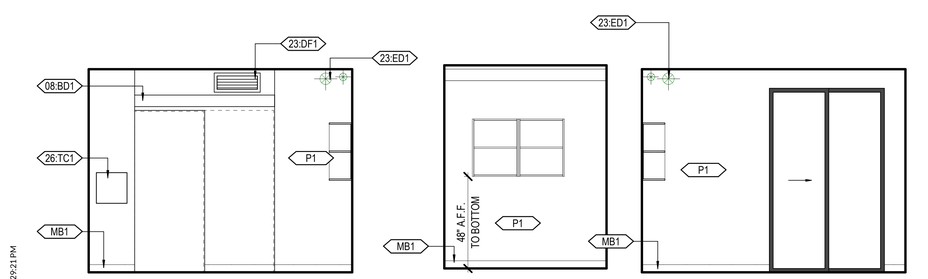
B6 A403 **TYPE 2-B - WARDROBE ELEVATION C**
3/8" = 1'-0"

B5 A403 **TYPE 2-B - WARDROBE ELEVATION D**
3/8" = 1'-0"

B4 A403 **TYPE 2-B - BEDROOM ELEVATION A**
3/8" = 1'-0"



A3 A403 **ENLARGED UNIT PLAN (DIMENSION) - UNIT TYPE 2-B**
3/8" = 1'-0"



A6 A403 **TYPE 2-B - BEDROOM ELEVATION B**
3/8" = 1'-0"

A5 A403 **TYPE 2-B - BEDROOM ELEVATION C**
3/8" = 1'-0"

A4 A403 **TYPE 2-B - BEDROOM ELEVATION D**
3/8" = 1'-0"

GENERAL NOTE - ENLARGED UNIT FLOOR PLAN

A. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
B. FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
C. DO NOT SCALE DRAWINGS.
D. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
E. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.
F. EXTENDED FLOOR FINISHES UNDER ALL CABINETRY
G. PROVIDE BLOCKING/BACKING FOR MOUNTING OF WALL-MOUNTED CABINETS, FIXTURES, EQUIPMENT, FOOT SHELVES AND FUTURE GRAB BARS PER ACCESSIBILITY CODE AND MANUFACTURER'S RECOMMENDATIONS IN ALL TYPE "B" UNITS. COORDINATE THIS REQUIREMENT THROUGH ALL FLOOR PLANS, EQUIPMENT PLANS, AND INTERIOR ELEVATIONS. SEE DETAIL B1 / A701 FOR BACKING STANDARDS AND LOCATIONS. FOR REQUIRED MOISTURE BOARD OR TILE BACKER BOARD SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR APPLICABLE AREAS. UNLESS WALL IS FIRE-RATED; MOISTURE BOARD OR BACKER BOARD WILL BE USED IN PLACE OF NOTED GYPSUM BOARD.
H. ON ALL EXPOSED CABINET SIDES, INCLUDING KNEE OPENINGS, PROVIDE FINISHED FACE TO MATCH CABINET FRONTS. PROVIDE SIDE SPLASHES WHENEVER COUNTERTOPS ARE ADJACENT TO WALLS.
I. EACH BATHROOM IS TO RECEIVE (1) TOWEL RING PER SINK, (1) TOILET PAPER DISPENSER PER TOILET, (1) ROBE HOOK, (1) TOWEL BAR PER SHOWER AND/OR TUB; WHERE EACH OCCURS.
J. ALL UPPER CABINETS TO BE FURNISHED WITH 2 SHELVES AND ADJUSTABLE BRACKETS; PANTRY FURNISHED WITH 4 SHELVES AND ADJUSTABLE BRACKETS.
K. ALL WALLS BEHIND CABINETS TO BE FINISHED PRIOR TO INSTALLATION OF CABINETS.
L. ALL CABINETS INDICATED TO BE REMOVABLE SHALL BE REMOVABLE WITHOUT REMOVAL OR REPLACEMENT OF THE SINK.

KEYNOTE LEGEND

Key Value	Keynote Text
06:FP4	1 1/2" FILLER PANEL
06:FP5	3/4" FILLER PANEL
08:BD1	BARN DOOR HARDWARE
10:MR2	INTEGRATED MIRROR AND VANITY LIGHT
10:TB1	TOWEL BAR
10:TR1	TOWEL RING
11:CB1	COMBINATION WASHER/DRYER UNIT
11:DW1	24" DISHWASHER
11:MW1	OVER-THE- RANGE MICROWAVE W/ INTEGRAL RECIRCULATING HOOD
11:OV2	30" ADA COMPLIANT RANGE; GLASS TOP RANGE WITH CONTROLS ON FACE OF APPLIANCE
11:RF1	30" WIDE REFRIGERATOR/ FREEZER; COUNTER DEPTH
12:CW1	ADA COMPLIANT SINK AND CASEWORK
12:CW2	PANTRY WITH DRAWERS AT BOTTOM
12:CW3	CUBBY AND BENCH STORAGE
12:CW4	HOOKS WITH SHELF ABOVE
12:WD2	WARDROBE WITH (1) ROD AND ADJUSTABLE SHELVES
22:SI1	ACRYLIC SHOWER INSERT
22:TT2	FLOOR MOUNT TOILET
22:US1	UNDER COUNTER MOUNTED SINK
22:WH1	RECESSED WATER PANEL; PROVIDE ACCESS PANEL FOR CONCEALMENT
23:DF1	DIFFUSER
23:ED1	EXPOSED SPIRAL DUCT, GALVANIZED FINISH
26:EP1	ELECTRICAL PANEL
26:RG1	GFCI RECEPTACLE
26:TC1	RECESSED TELECOM PANEL; PROVIDE ACCESS PANEL FOR CONCEALMENT
BS1	BACKSPLASH; RUN TO BOTTOM OF OVERHEAD CABINETS
CT1	COUNTERTOP
MB1	4" MDF BASE TRIM
P1	PAINT
PB1	4" PINE BASE TRIM

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5000975-0301
5/12/21
LICENSED ARCHITECT

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1	8.3.21	CITY COMMENTS #1

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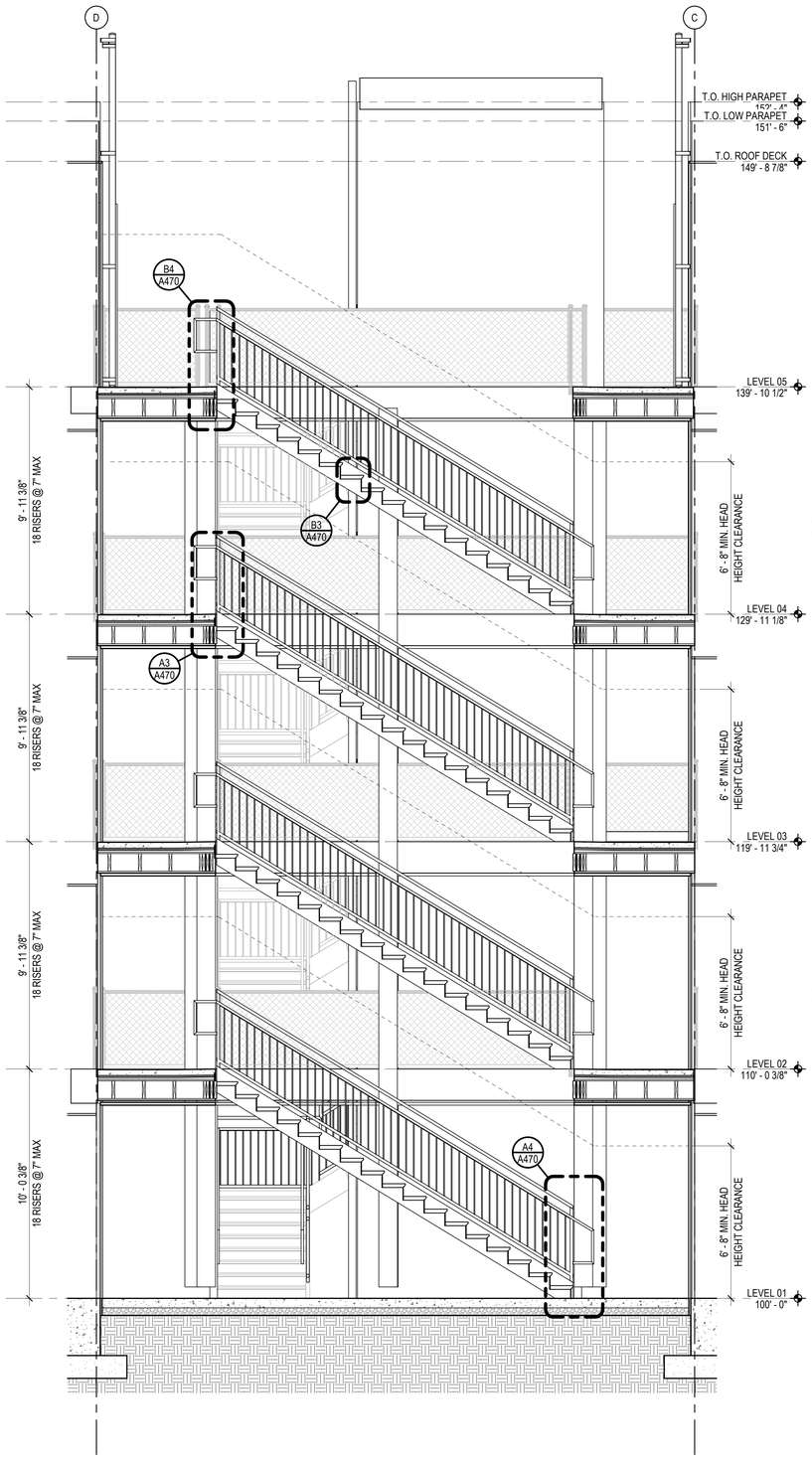
DATE: 04/02/2021

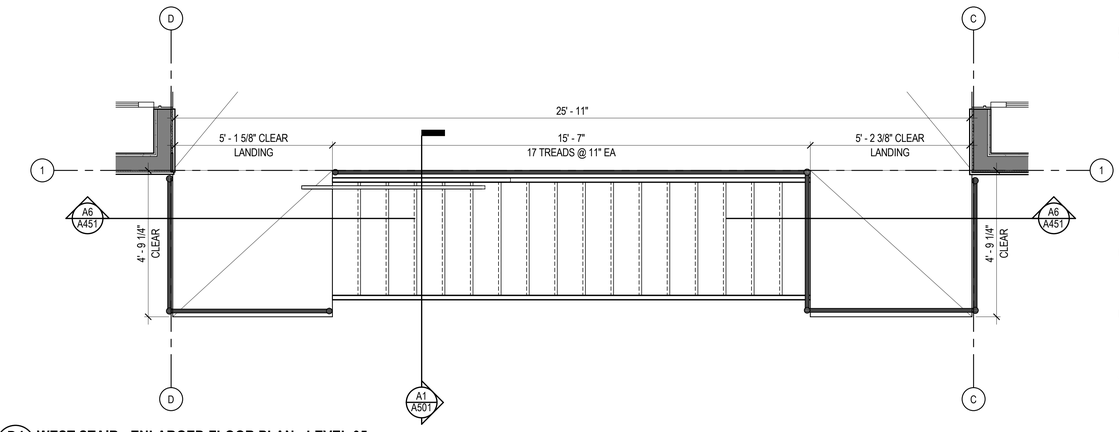
ENLARGED UNIT PLANS (2-B)

A403

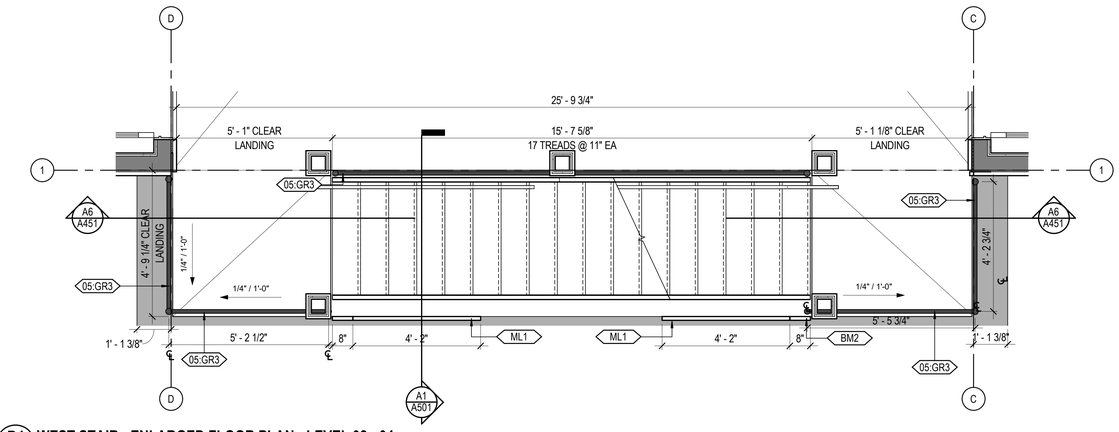
8/4/2021 2:29:21 PM



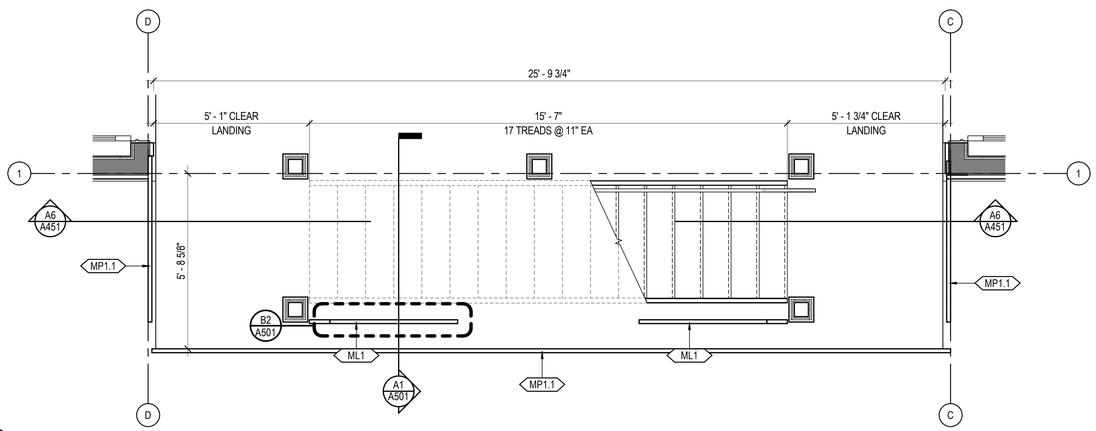
A6 A451 **WEST STAIR - SECTION**
3/8" = 1'-0"



D4 A451 **WEST STAIR - ENLARGED FLOOR PLAN - LEVEL 05**
1/2" = 1'-0"



B4 A451 **WEST STAIR - ENLARGED FLOOR PLAN - LEVEL 02 - 04**
1/2" = 1'-0"



A4 A451 **WEST STAIR - ENLARGED FLOOR PLAN - LEVEL 01**
1/2" = 1'-0"

GENERAL NOTE - ENLARGED UNIT FLOOR PLAN

A. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
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F. EXTENDED FLOOR FINISHES UNDER ALL CABINETRY
G. PROVIDE BLOCKING/BACKING FOR MOUNTING OF WALL-MOUNTED CABINETS, FIXTURES, EQUIPMENT, FOOT SHELVES AND FUTURE GRAB BARS PER ACCESSIBILITY CODE AND MANUFACTURER'S RECOMMENDATIONS IN ALL TYPE "B" UNITS. COORDINATE THIS REQUIREMENT THROUGH ALL FLOOR PLANS, EQUIPMENT PLANS, AND INTERIOR ELEVATIONS. SEE DETAIL B1 / A701 FOR BACKING STANDARDS AND LOCATIONS. FOR REQUIRED MOISTURE BOARD OR TILE BACKER BOARD SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR APPLICABLE AREAS. UNLESS WALL IS FIRE-RATED; MOISTURE BOARD OR BACKER BOARD WILL BE USED IN PLACE OF NOTED GYPSUM BOARD.
H. ON ALL EXPOSED CABINET SIDES, INCLUDING KNEE OPENINGS, PROVIDE FINISHED FACE TO MATCH CABINET FRONTS. PROVIDE SIDE SPLASHES WHENEVER COUNTERTOPS ARE ADJACENT TO WALLS.
I. EACH BATHROOM IS TO RECEIVE (1) TOWEL RING PER SINK, (1) TOILET PAPER DISPENSER PER TOILET, (1) ROBE HOOK, (1) TOWEL BAR PER SHOWER AND/OR TUB; WHERE EACH OCCURS.
J. ALL UPPER CABINETS TO BE FURNISHED WITH 2 SHELVES AND ADJUSTABLE BRACKETS; PANTRY FURNISHED WITH 4 SHELVES AND ADJUSTABLE BRACKETS.

KEYNOTE LEGEND	
Key Value	Keynote Text
05:GR3	CHAIN LINK RAILING, FACE MOUNTED 42" A.F.F. MIN
BM2	BREAK METAL, WHITE
ML1	2X2 WOVEN WIRE MESH LATTICE
MP1.1	METAL PANEL SYSTEM; SEE EXTERIOR ELEVATIONS

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VILLA NUEVA LLC.

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915 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

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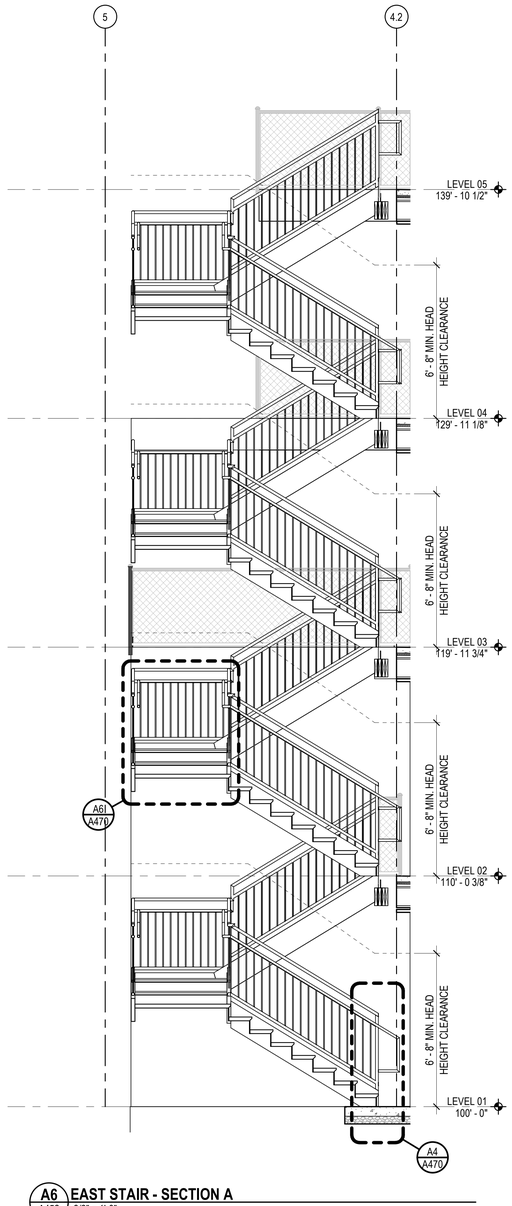
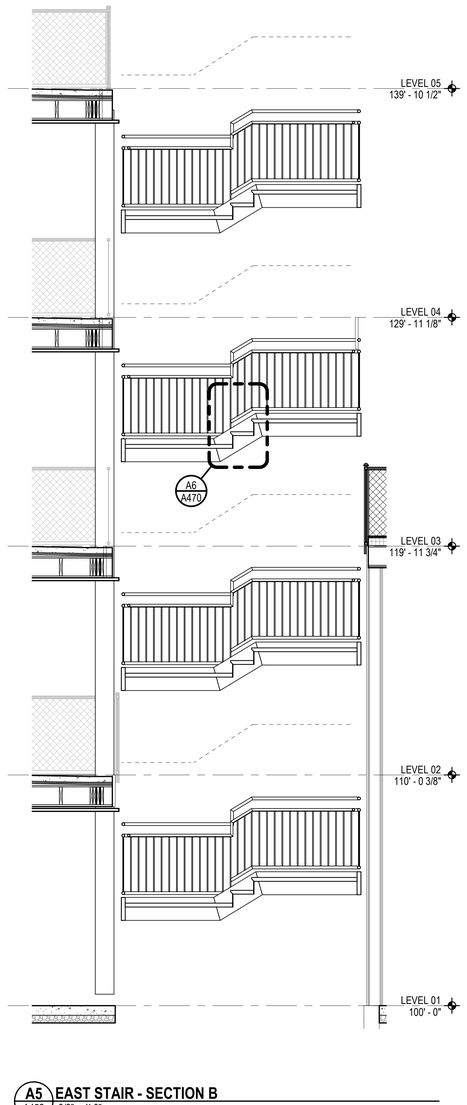
WEST STAIR ENLARGED PLANS & SECTIONS

A451

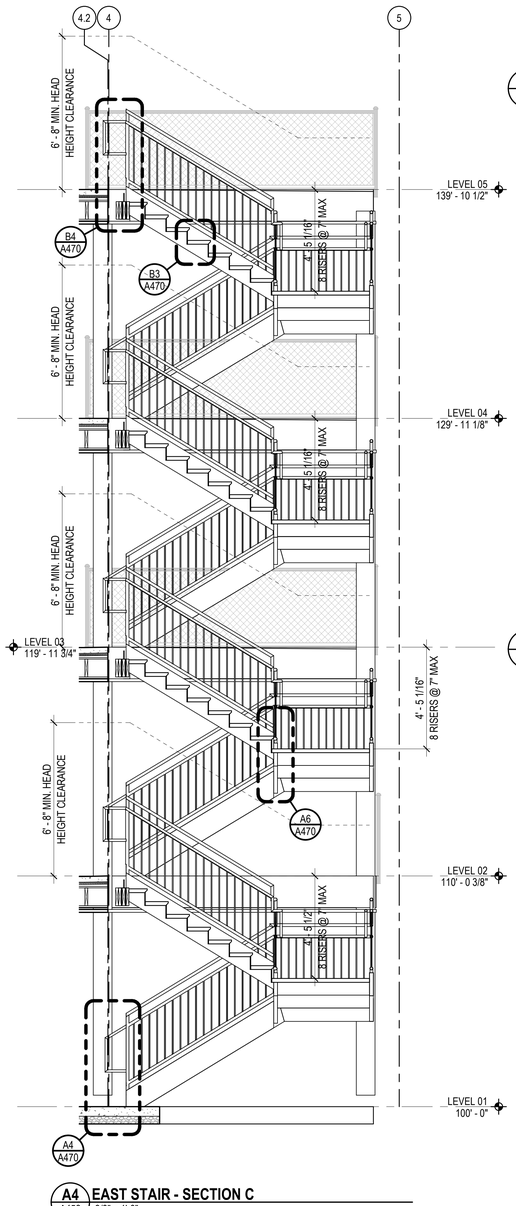
6/4/2021 3:11:50 PM



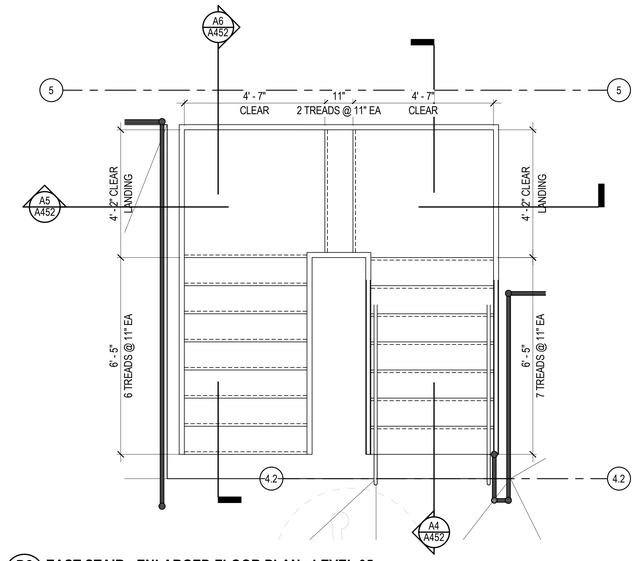
A6 EAST STAIR - SECTION A
A452 3/8" = 1'-0"



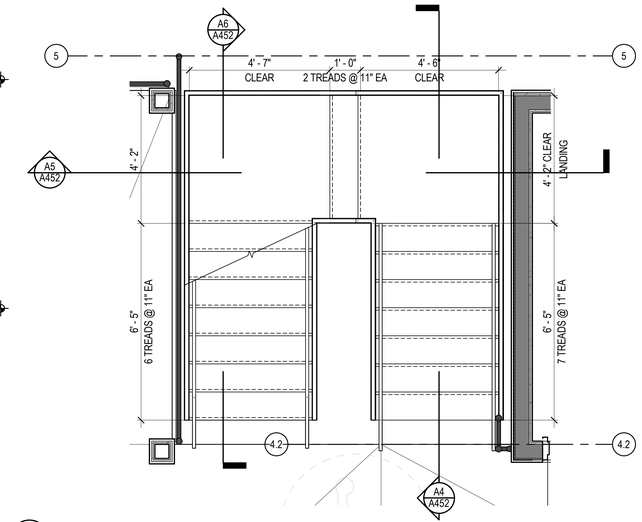
A5 EAST STAIR - SECTION B
A452 3/8" = 1'-0"



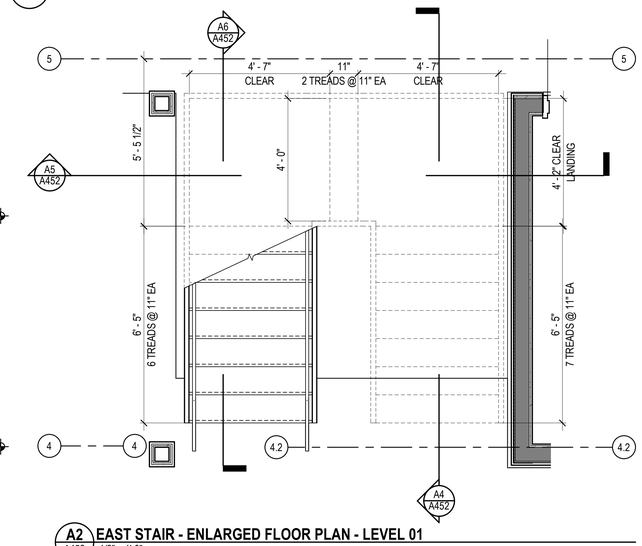
A4 EAST STAIR - SECTION C
A452 3/8" = 1'-0"



D2 EAST STAIR - ENLARGED FLOOR PLAN - LEVEL 05
A452 1/2" = 1'-0"



C2 EAST STAIR - ENLARGED FLOOR PLAN - LEVEL 02 - 04
A452 1/2" = 1'-0"



A2 EAST STAIR - ENLARGED FLOOR PLAN - LEVEL 01
A452 1/2" = 1'-0"

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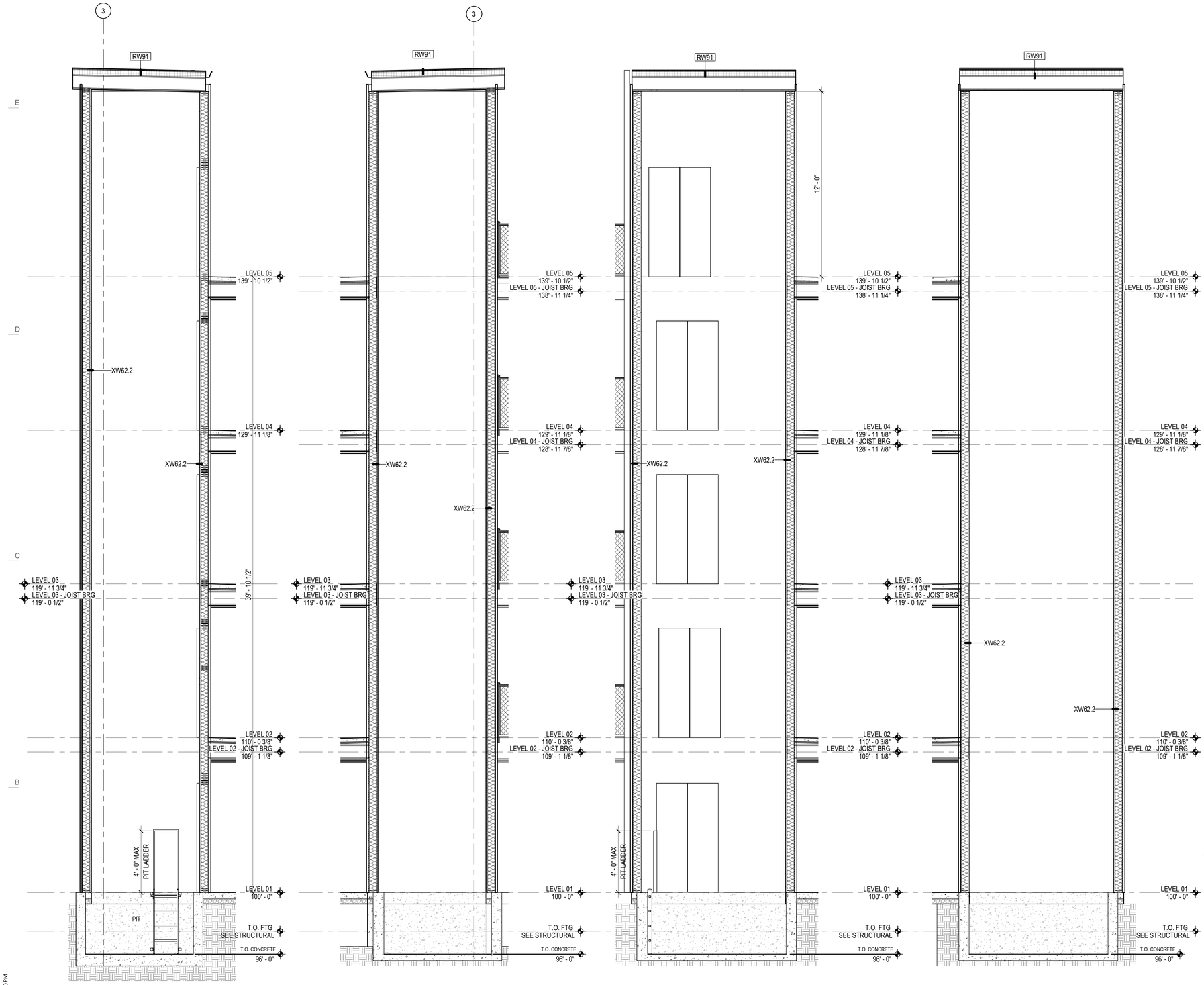
EAST STAIR ENLARGED PLANS & SECTIONS

A452

6/4/2021 3:39:10 PM

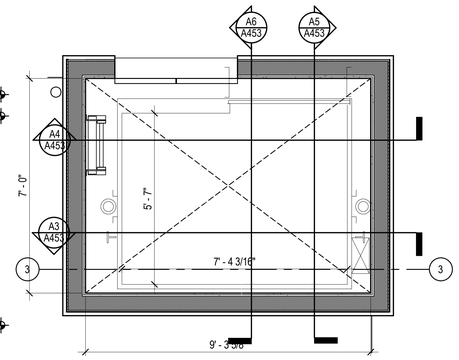


A6 / A453 ELEVATOR SECTION - A
3/8" = 1'-0"

A5 / A453 ELEVATOR SECTION - B
3/8" = 1'-0"

A4 / A453 ELEVATOR SECTION - C
3/8" = 1'-0"

A3 / A453 ELEVATOR SECTION - D
3/8" = 1'-0"



A1 / A453 ELEVATOR - ENLARGED PLAN - LEVEL 01 - 05
1/2" = 1'-0"

6/4/2021 3:39:20 PM

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ELEVATOR ENLARGED PLANS & SECTIONS

A453

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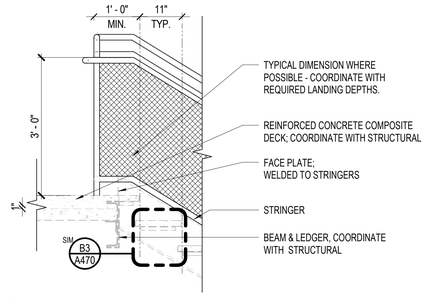
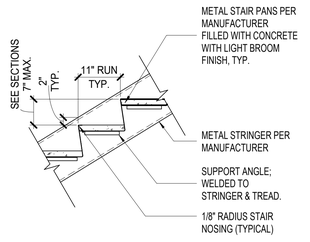
DATE: 04/02/2021

STAIR DETAILS

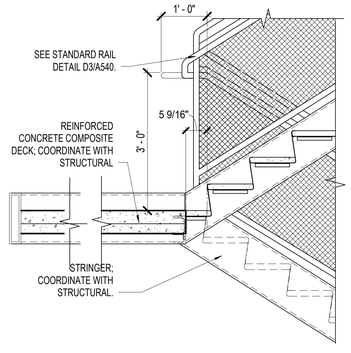
A470



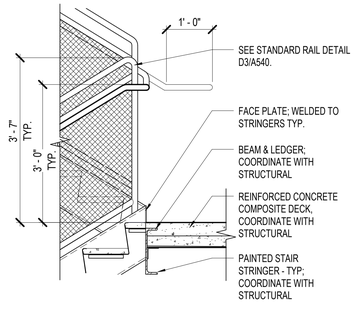
B4 HANDRAIL - STAIR TOP DETAIL
A470 3/4" = 1'-0"



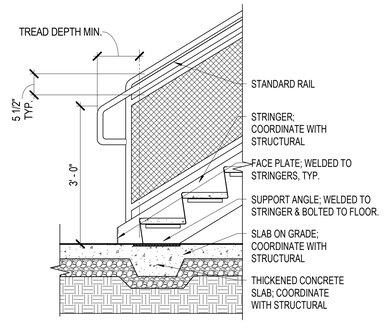
B3 CONCRETE TREAD DETAIL
A470 3/4" = 1'-0"



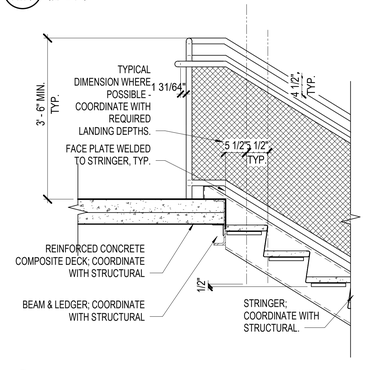
A6 CONCRETE STAIR DETAIL - INTEGRAL LANDING
A470 3/4" = 1'-0"



A5 CONCRETE STAIR DETAIL - LANDING DECK
A470 3/4" = 1'-0"



A4 CONCRETE STAIR DETAIL - SLAB ON GRADE
A470 3/4" = 1'-0"



A3 CONCRETE STAIR DETAIL - TOP
A470 3/4" = 1'-0"

6/4/2021 3:40:55 PM

GENERAL NOTE - SECTION

A. DO NOT SCALE DRAWINGS.
B. WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE. "CLEAR" DIMENSIONS ARE TO FACE OF WALL FINISH.
C. SEE CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.

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T 801.924.5000
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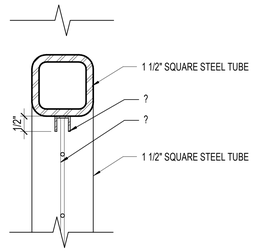
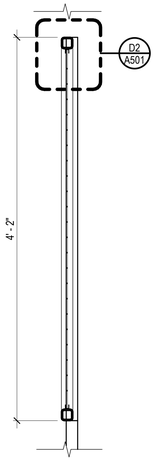
JULIE ROBERTS
5000975-0301
5-21-21
LICENSED ARCHITECT

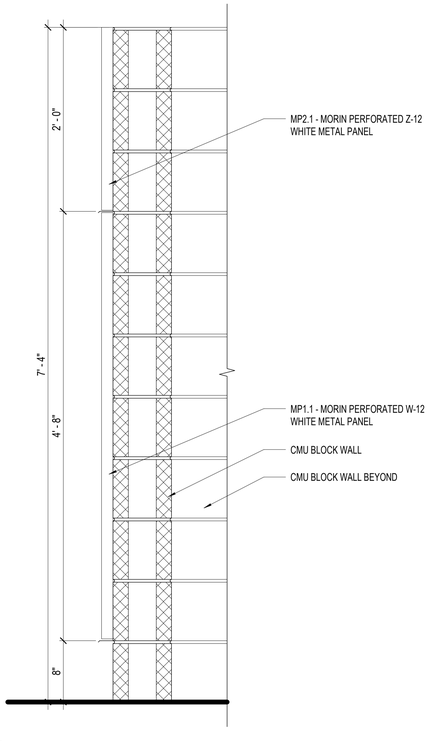
KEYNOTE LEGEND	
Key Value	Keynote Text
06:CM1	WOOD COLUMN
06:GM2	(2) LAYERS 5/8" TYPE 'X' EXTERIOR GLASS-MAT GYPSUM WALL SHEATHING; SEE UL ASSEMBLY FOR COMPLIANT PRODUCTS
07:AV1	AIR/MOISTURE BARRIER
07:MF1	PRE-FINISHED METAL FLASHING; MATCH METAL PANEL COLOR
07:MP1	PRE-FINISHED METAL WALL PANEL; SEE ELEVATIONS
07:MP3	MITER EDGES OF METAL WALL PANEL TO ALLOW FOR 1/4" GAP BETWEEN PANEL AND FLASHING PROFILE
07:TF4	TAPE FLASHING
ML1	2X2 WOVEN WIRE MESH LATTICE
SC1	
WM1	



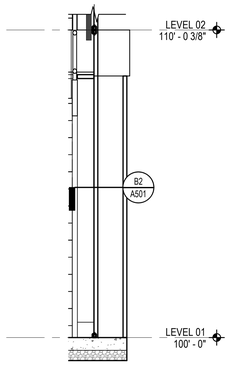
D2 A501 DETAIL - STEEL FRAME AND MESH
6" = 1'-0"



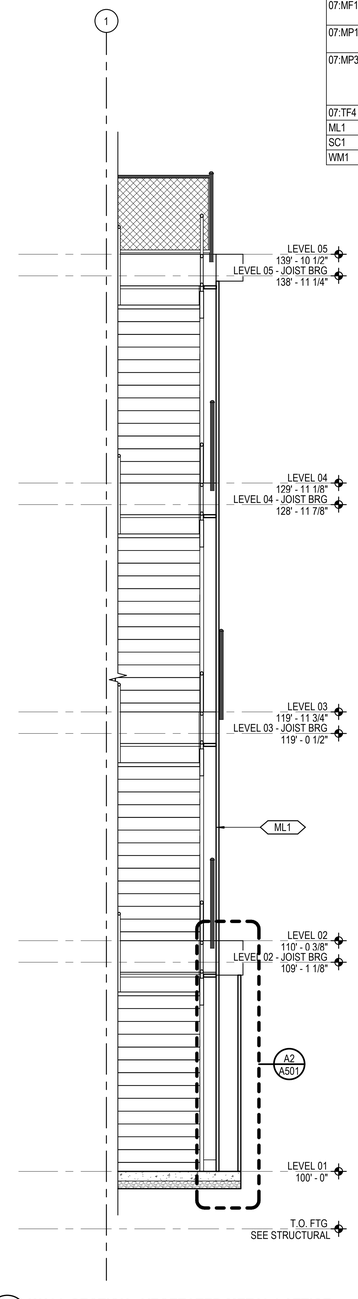
B2 A501 SECTION DETAIL - VEGETATED METAL LATTICE
1 1/2" = 1'-0"



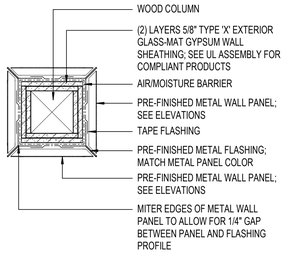
A4 A501 SECTION - WASTE COLLECTION SCREEN
1 1/2" = 1'-0"



A2 A501 DETAIL - VEGETATED METAL LATTICE
1/2" = 1'-0"



A1 A501 WALL SECTION - VEGETATED METAL LATTICE
3/8" = 1'-0"



1 A501 TYPICAL COLUMN WRAP
1 1/2" = 1'-0"

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DRAWN BY: JV
DATE: 04/02/2021

ARCHITECTURAL DETAILS

A501

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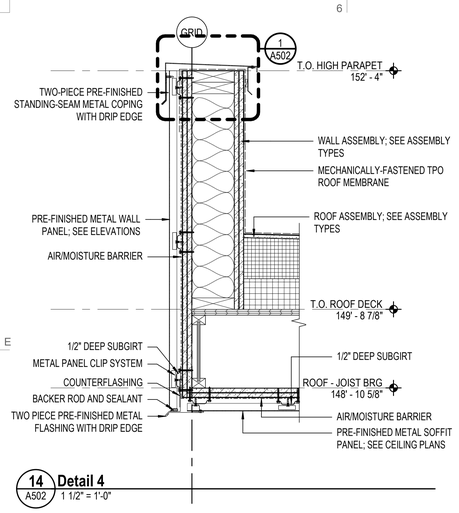
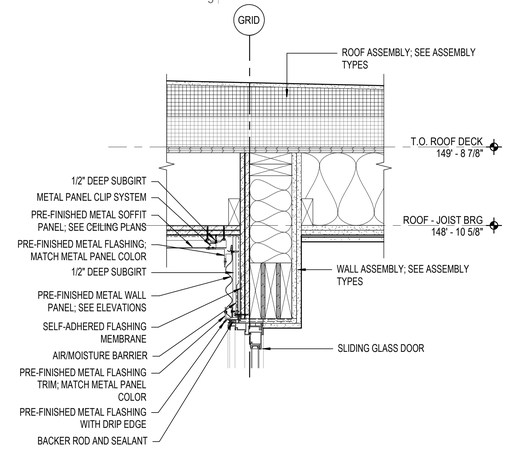
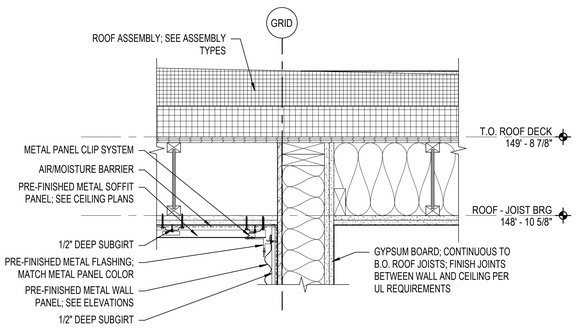


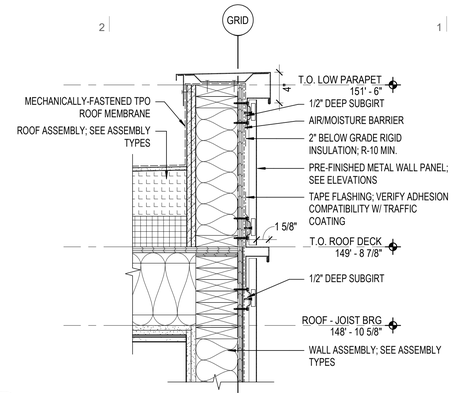
14 Detail 4
A502 1 1/2" = 1'-0"



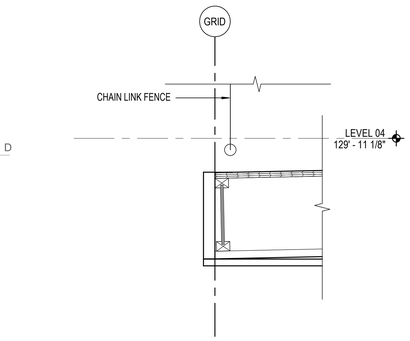
13 Detail 3
A502 1 1/2" = 1'-0"



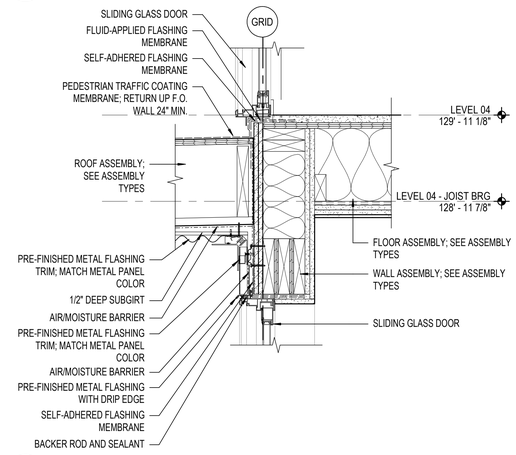
D3 Detail 9
A502 1 1/2" = 1'-0"



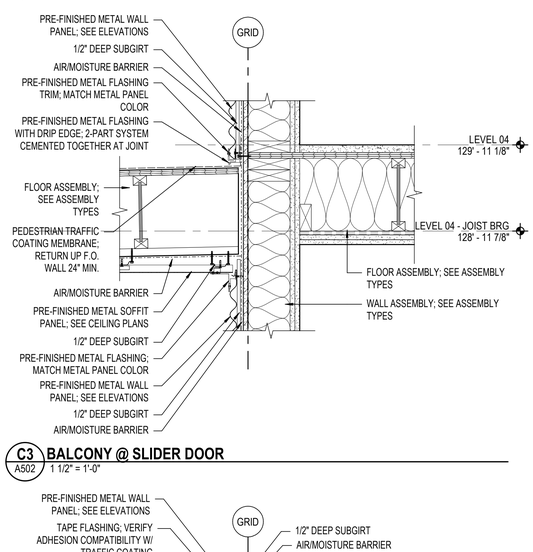
D2 EXTERIOR BEARING WALL - PARAPET
A502 1 1/2" = 1'-0"



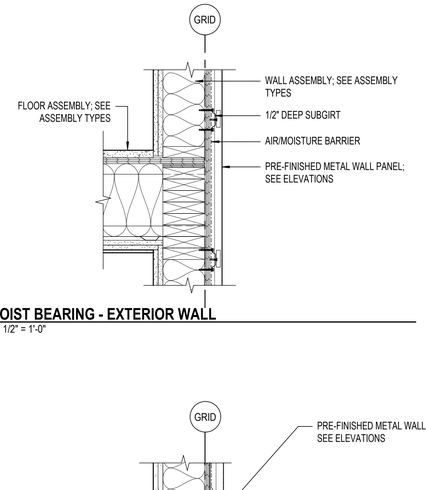
12 BALCONY FASCIA
A502 1 1/2" = 1'-0"



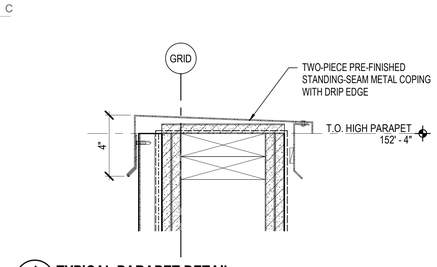
11 BALCONY @ SIDING DOOR
A502 1 1/2" = 1'-0"



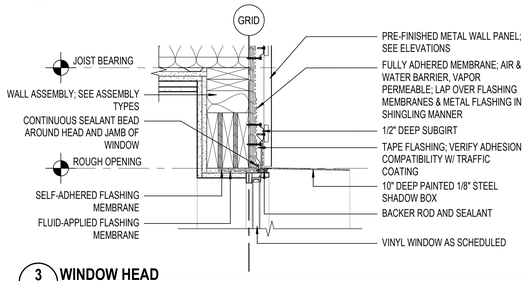
C3 BALCONY @ SLIDER DOOR
A502 1 1/2" = 1'-0"



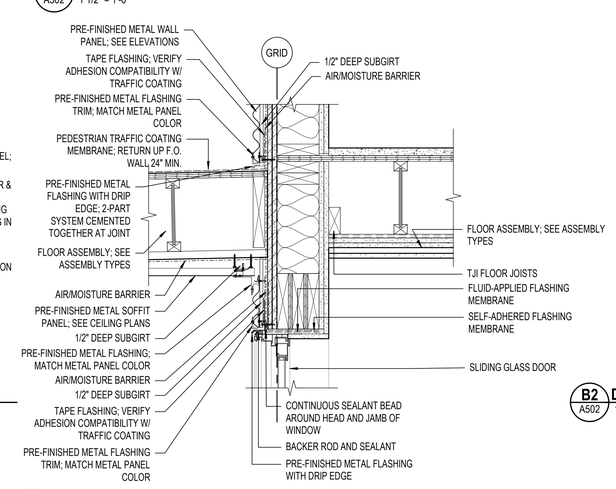
C2 JOIST BEARING - EXTERIOR WALL
A502 1 1/2" = 1'-0"



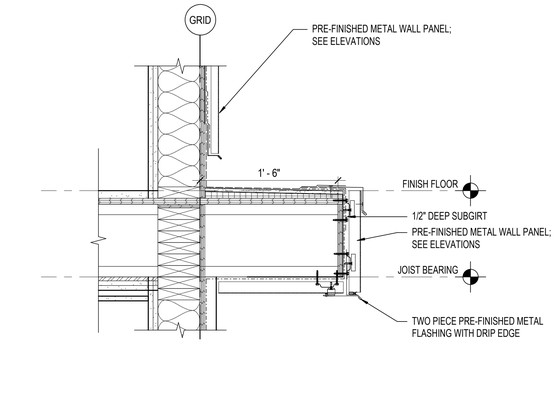
1 TYPICAL PARAPET DETAIL
A502 3" = 1'-0"



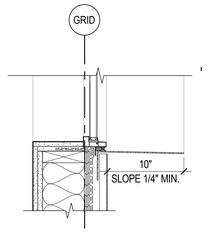
3 WINDOW HEAD
A502 1 1/2" = 1'-0"



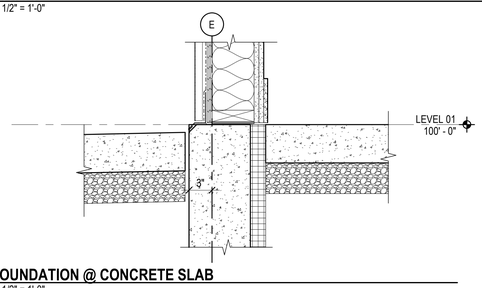
B3 Detail 8
A502 1 1/2" = 1'-0"



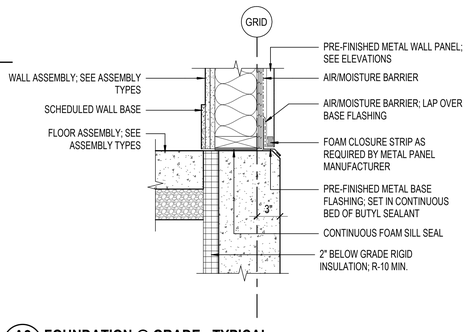
B2 Detail 7
A502 1 1/2" = 1'-0"



2 WINDOW SILL
A502 1 1/2" = 1'-0"



A3 FOUNDATION @ CONCRETE SLAB
A502 1 1/2" = 1'-0"



A2 FOUNDATION @ GRADE - TYPICAL
A502 1 1/2" = 1'-0"

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ARCHITECTURAL DETAILS - SECTION

A502

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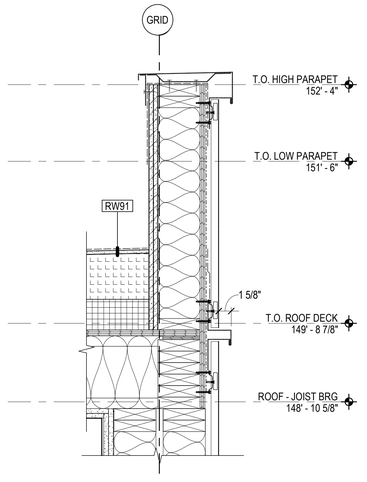
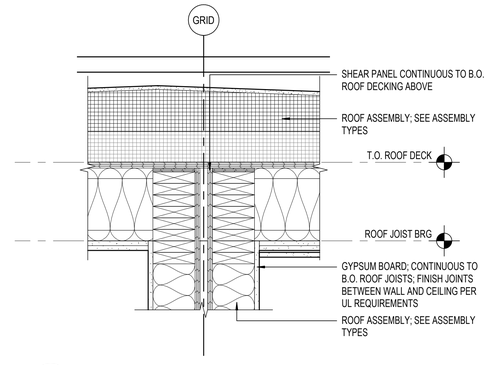
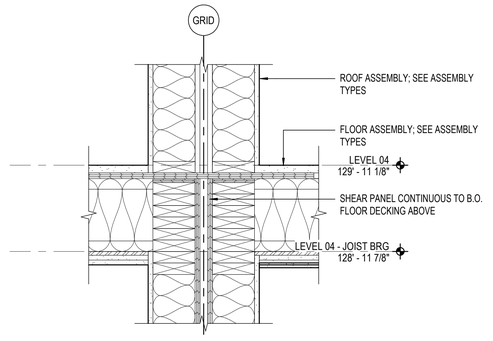


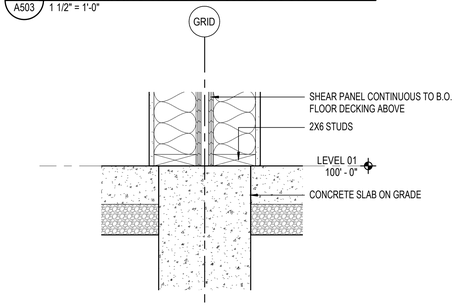
4 A503 **Detail 11**
1 1/2" = 1'-0"



1 A503 **UNIT DEMING WALL - ROOF**
1 1/2" = 1'-0"



3 A503 **UNIT DEMISING WALL - TYPICAL FLOOR**
1 1/2" = 1'-0"



2 A503 **UNIT DEMISING WALL - SLAB ON GRADE**
1 1/2" = 1'-0"

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ARCHITECTURAL DETAILS - SECTION

A503

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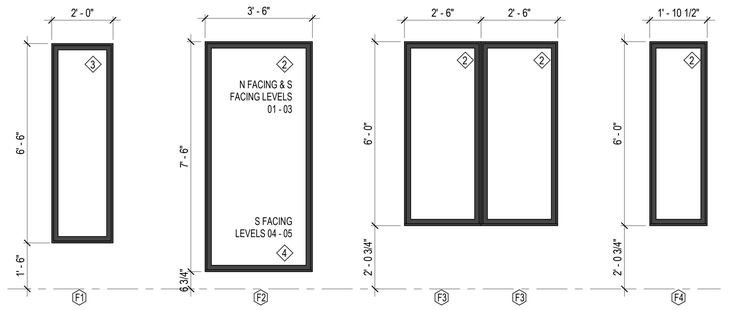


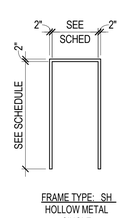
WINDOW TYPES
1/2" = 1'-0"

COMMON DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR TYPE	DOOR FINISH	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS THRESHOLD	FRAME TYPE	FRAME FINISH	FIRE RATING	HARDWARE GROUP	LOCKSET TYPE	NOTES	DOOR NUMBER
110	3' - 0"	7' - 0"	HS01	PAINTED				SH	PAINTED	-		STORE ROOM SET		110
210	3' - 0"	7' - 0"	HS01	PAINTED				SH	PAINTED	-		STORE ROOM SET		210
C	0' - 0"	0' - 0"												C
ELEV	3' - 6"	6' - 8"	ELEV	BRUSHED STAINLESS				ELEV	BRUSHED STAINLESS	90 MIN.	-	-		ELEV

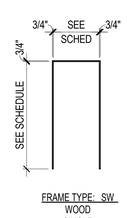
UNIT DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR TYPE	DOOR FINISH	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS THRESHOLD	FRAME TYPE	FRAME FINISH	FIRE RATING	HARDWARE GROUP	LOCKSET TYPE	NOTES	NUMBER
A	3' - 0"	7' - 0"	BD01	PAINTED				-	-	-		-		A
B	2' - 8"	7' - 0"	BD01	PAINTED				-	-	-		-		A
U1	3' - 0"	8' - 0"	FS04	PAINTED				SW	PAINTED	-				U1
U3	5' - 0"	8' - 0"	SL04	MFGR COLOR				-	MFGR COLOR	-				



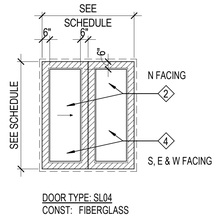
FRAME TYPE: SH
HOLLOW METAL
SINGLE

D5 / A601 FRAME TYPES - HOLLOW METAL
1/4" = 1'-0"



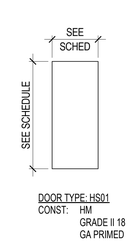
FRAME TYPE: SW
WOOD
SINGLE

C5 / A601 FRAME TYPES - WOOD
1/4" = 1'-0"



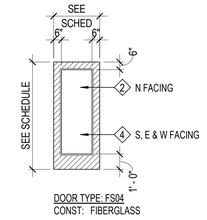
DOOR TYPE: SL04
CONST: FIBERGLASS

1 / A601 DOOR TYPES - SLIDING
1/4" = 1'-0"



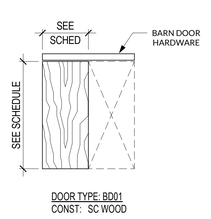
DOOR TYPE: HS01
CONST: HM
GRADE II 18
GA PRIMED

B6 / A601 DOOR TYPES - HOLLOW METAL
1/4" = 1'-0"



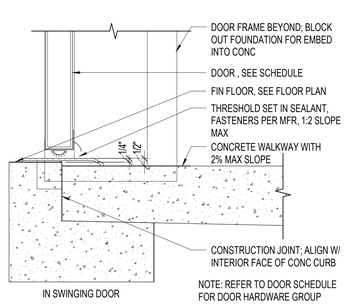
DOOR TYPE: FS04
CONST: FIBERGLASS

B3 / A601 DOOR TYPES - FIBERGLASS
1/4" = 1'-0"



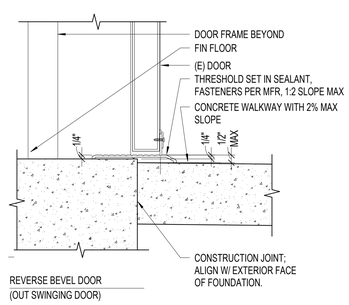
DOOR TYPE: BD01
CONST: SC WOOD

B1 / A601 DOOR TYPES - BARN DOOR
1/4" = 1'-0"



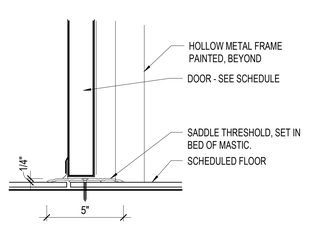
IN SWINGING DOOR

A5 / A601 DOOR THRESHOLD EXT. IN
3" = 1'-0"

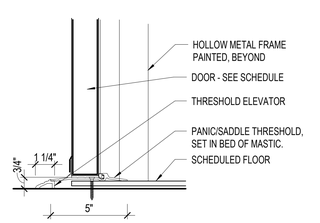


REVERSE BEVEL DOOR
(OUT SWINGING DOOR)

A4 / A601 DOOR THRESHOLD EXT. OUT
3" = 1'-0"



A2 / A601 THRESHOLD DETAIL - SADDLE
3" = 1'-0"



A1 / A601 THRESHOLD DETAIL - SADDLE/ELEVATOR
3" = 1'-0"

GENERAL NOTE - WINDOW TYPES

A. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL & SUBSEQUENT FABRICATION OF ALL DOOR AND WINDOW FRAMES.
B. PROVIDE CLEARANCE REQUIRED BY ACCESSIBILITY CODES ANSI A117.1 AND ADAAG AT ALL DOORS, AS DEPICTED IN DETAILS ON SHEET Gxxx.

DOOR SCHEDULE NOTES	
1	
2	

GLAZING SCHEDULE

1. 1" INSULATED
2. 1" INSULATED - TEMPERED
3. 1" INSULATED - LOW-E GLAZING
4. 1" INSULATED - TEMPERED - LOW-E GLAZING

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5/21
LICENSED ARCHITECT

VILLA NUEVA LLC.
MICRO VILLAS
615 WEST 200 N SALT LAKE CITY UT, 84116

#	Date	Revision

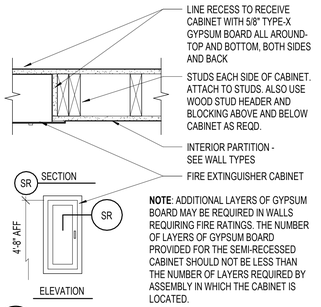
BID/ PERMIT SET

NEXUS PROJ. #: 21010
CHECKED BY: MD
DRAWN BY: JV
DATE: 04/02/2021

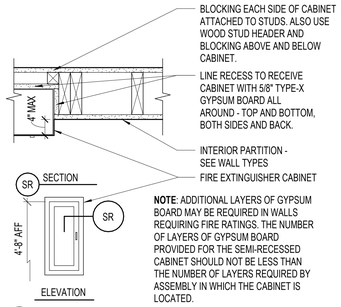
OPENING SCHEDULES & TYPES

A601

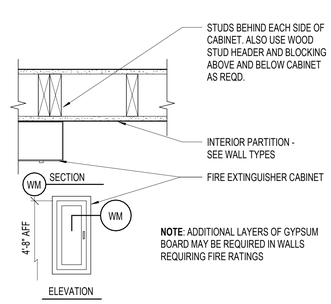
6/4/2021 3:12:01 PM



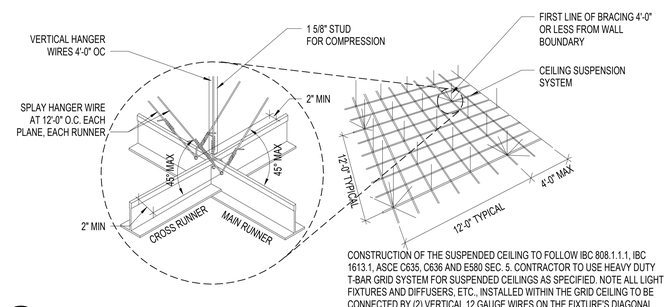
C6 A701 FIRE EXTINGUISHER CAB. RECESSED
1 1/2" = 1'-0"



C5 A701 FIRE EXTINGUISHER CAB. SEMI-RECESSED
1 1/2" = 1'-0"

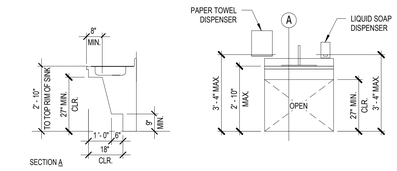


C4 A701 FIRE EXTINGUISHER CAB. WALL MOUNTED
1 1/2" = 1'-0"

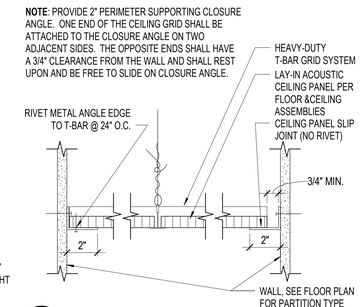


CONSTRUCTION OF THE SUSPENDED CEILING TO FOLLOW IBC 808.1.1.1, IBC 1613.1, ASCE C635, C636 AND E580 SEC. 5. CONTRACTOR TO USE HEAVY DUTY T-BAR GRID SYSTEM FOR SUSPENDED CEILINGS AS SPECIFIED. NOTE ALL LIGHT FIXTURES AND DIFFUSERS, ETC., INSTALLED WITHIN THE GRID CEILING TO BE CONNECTED BY (2) VERTICAL 12 GAUGE WIRES ON THE FIXTURE'S DIAGONAL.

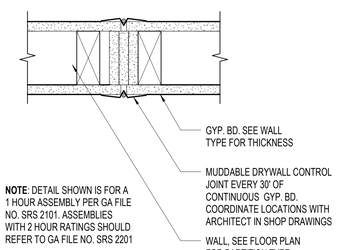
C3 A701 SUSPENDED CEILING SEISMIC BRACING DETAIL
NOT TO SCALE



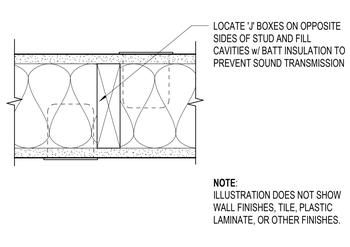
D1 A701 ACCESSIBLE CASEWORK
3/8" = 1'-0"



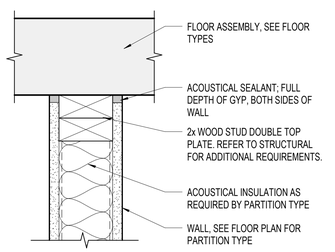
C1 A701 LAY-IN CEILING TILE EDGE
3" = 1'-0"



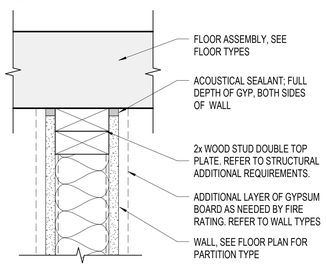
B6 A701 DRYWALL CONTROL JOINTS
3" = 1'-0"



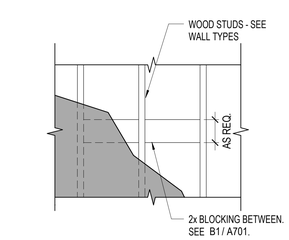
B5 A701 TYPICAL ELEC. DEVICE WALL DETAIL
3" = 1'-0"



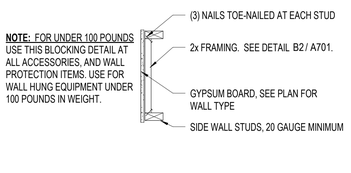
B4 A701 NON-RATED ACOUSTIC HEAD DETAIL
3" = 1'-0"



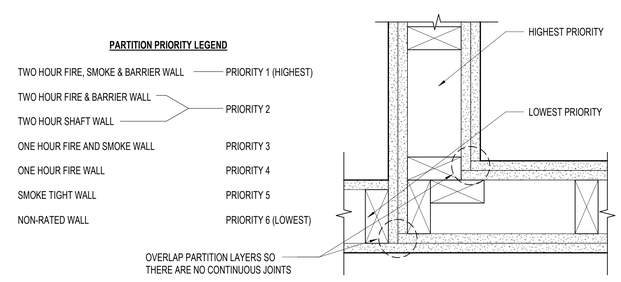
B3 A701 FIRE RATED HEAD DETAIL
3" = 1'-0"



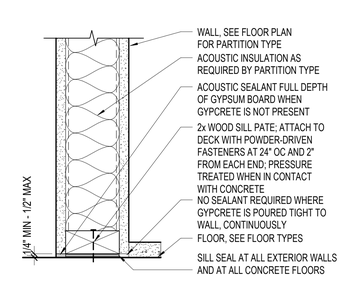
B2 A701 MOUNTING PLATE DETAIL
3" = 1'-0"



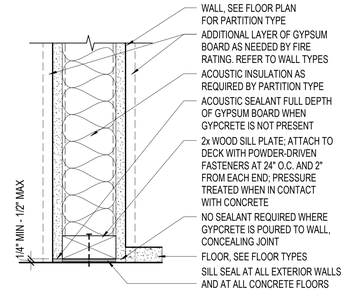
B1 A701 WALL BACKING DETAILS
12" = 1'-0"



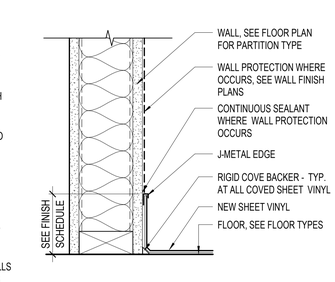
A6 A701 WOOD PARTITION PRIORITY LEGEND
3" = 1'-0"



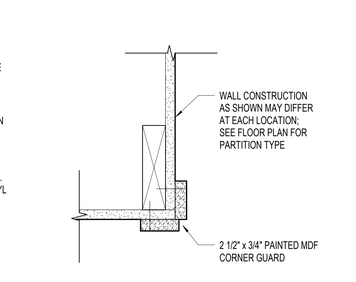
A4 A701 NON-RATED BASE DETAIL
3" = 1'-0"



A3 A701 FIRE RATED BASE DETAIL
3" = 1'-0"



A2 A701 COVED BASE DETAIL
3" = 1'-0"



A1 A701 CORNER GUARD DETAIL
3" = 1'-0"

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Architectural NEXUS, Inc.
2505 East Parleys Way
Salt Lake City, Utah 84109
T 801.924.5000
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STATE OF UTAH
JUSTIN VOTE
5000975-0301
5.12.21
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TYPICAL DETAILS

A701

GENERAL NOTE - FINISH SCHEDULE

A. SEE REFLECTED CEILING PLANS FOR CEILING FEATURES AND FINISH ELEVATIONS.

FINISH LEGEND					
HIDE THESE COLUMNS BEFORE PRINT					
Finsh Sort Order	**Finish Category HIDE**	Finish Type HIDE	CODE	FINISH TYPE	DESCRIPTION
FLOOR FINISHES					
1	**FLOOR FINISHES**	PORCELAIN TILE	T1	PORCELAIN TILE	MANUFACTURER: Dal Tile STYLE: Haut Monde COLOR: HM03 Glitterati Granite SIZE: 12" x 24" INSTALLATION: Offset 1/3; Install Parallel with Elevator Doors LOCATION: Elevator
1	**FLOOR FINISHES**	RESILIENT FLOOR	RF1	RESILIENT FLOOR	MANUFACTURER: Interface STYLE: LVT A016 Brushed Lines COLOR: A01604 Galena SIZE: 25cm x 1m THICKNESS: 4.5 mm INSTALLATION: Parallel to Ktchen Cabinets (ARCHITECT TO APPROVE SAMPLE)
1	**FLOOR FINISHES**	SEALED CONCRETE	SC	SEALED CONCRETE	MANUFACTURER: N/A Sealed Concrete APPLICATION: Refer to Specifications
BASE FINISHES					
2	**BASE FINISHES**	BASE	RB1	4" COVED RUBBER BASE	MANUFACTURER: Tarkett STYLE: 4" Coved COLOR: 48 Grey (ARCHITECT TO APPROVE SAMPLE)
2	**BASE FINISHES**	BASE	WD1	4" PAINTED WOOD BASE	MANUFACTURER: N/A STYLE: 4" Flat MDF Painted Base/Poplar Finger Jointed in Wet Zones PAINT COLOR: Sherwin Williams SW 7757 High Reflective White FINISH: Satin NO VOC'S (ARCHITECT TO APPROVE SAMPLE)
WALL FINISHES					
3	**WALL FINISHES**	WALL	P1	PAINTED GYPSUM BOARD	MANUFACTURER: Sherwin Williams COLOR: SW 7757 High Reflective White FINISH: Eggshell; NO VOC'S
3	**WALL FINISHES**	WALL	SS1	BRUSHED STAINLESS STEEL	MANUFACTURER: Refer to Elevator Specifications STYLE: Brushed Stainless Steel LOCATION: Elevator Walls (ARCHITECT TO APPROVE SAMPLE)
CEILING FINISHES					
4	**CEILING FINISHES**	CEILING	P1	PAINTED GYPSUM BOARD	MANUFACTURER: Sherwin Williams COLOR: SW 7757 High Reflective White FINISH: Flat; NO VOC'S
4	**CEILING FINISHES**	CEILING	SS1	BRUSHED STAINLESS STEEL	MANUFACTURER: Refer to Elevator Specifications STYLE: Brushed Stainless Steel LOCATION: Elevator Ceiling (ARCHITECT TO APPROVE SAMPLE)
MILLWORK					
5	**MILLWORK**	CABINETS	PL1	PLASTIC LAMINATE	MANUFACTURER: Formica COLOR: 949-58 White Matte LOCATION: Kitchen Cabinets
5	**MILLWORK**	COUNTERTOP	QZ1	QUARTZ	MANUFACTURER: Cambria COLOR: Flint Black LOCATION: Kitchen Countertop
MISCELLANEOUS					
6	**MISCELLANEOUS**				

ROOM FINISH SCHEDULE

Room	Name	Floor	Base	Wall Finish	Ceiling	Room
	1-B	RF1	WD1	P1	P2	
201	1.2-B	RF1	WD1	P1	P2	201
	2-A	RF1	WD1	P1	P2	
	2-B	RF1	WD1	P1	P2	
	ELEVATOR	T1	T1	SS1	SS1	
110	FIRE RISER	SC	RB1	P1	P2	110
110	FIRE RISER/ EQUIP	SC	RB1	P1	P2	110
	Room					
210	STORAGE	SC	RB1	P1	P2	210
	UNIT TYPE 2-B	RF1	WD1	P1	P2	

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ROOM FINISH SCHEDULE

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