



Town Of Eagle Broadway Station - Mixed Use

FLOOR AREAS SUMMARY:

	FLOOR AREA	LEASEABLE SF
LEVEL 3 - RETAIL	6,526 GSQ. FT.	11 APARTMENTS LEASABLE SF = 5,888
LEVEL 2 - RESIDENTIAL/APARTMENTS	6,687 GSQ. FT.	11 APARTMENTS LEASABLE SF = 6,049
LEVEL 1 - RESIDENTIAL/APARTMENTS	5,829 GSQ. FT.	LEASEABLE RETAIL SF = 4,825
TOTAL FINISHED S.F.	19,042 GSQ. FT.	
BASEMENT LEVEL	3,206 GSQ. FT	LEASEABLE STORAGE UNITS = 2,288
TOTAL GROSS S.F.	22,248 GSQ. FT.	

PROJECT SUMMARY:

NEW BUILDING :
3 STORIES. SLAB ON GRADE + PARTIAL BASEMENT W/ MECHANICAL & STORAGE UNITS
FIRST FLOOR RETAIL WITH (22)RESIDENTIAL **STUDIO**/EFFICIENCY APARTMENTS TO BE RENTED

OCCUPANCIES: GROUP S1 ACCESSORY AREAS, MECHANICAL ROOMS
GROUP M MERCANTILE /LEASABLE RETAIL SPACE
GROUP M MERCANTILE /LEASABLE RETAIL SPACE
GROUP R-2 APARTMENT HOUSE

CONSTRUCTION TYPE : 5A, FULLY SPRINKLERED
NUMBER OF STORIES : 3 (+PARTIAL BASEMENT)
BUILDING HEIGHT : 35'- 0" + MAX. 4' PARAPET
ZONING : COMMERCIAL HISTORIC DISTRICT - MIXED USE

LOT AREA : LOTS 101 & 115 E. 2ND ST. = 0.19 ACRES = 8,276 SF 240% = 19,863
IMPERVIOUS COVERAGE: 100%
LOT COVERAGE: 6940 SF
SETBACKS: 0'
PARKING PROVIDED: (6)SPACES TOTAL WITH (1) ADA COMPLIANT + STREET PARKING
APPROVED VARIANCE APPROVED BY TOWN OF EAGLE P&Z

DRAWING INDEX:

A0.0 COVER SHEET, CODE INFO
ORIGINAL TOPO + SURVEY OF O.H. POWER LINE

CIVIL ENGINEERING

C-1 thru C-6 TOPO LOT SURVEY, SITE, UTILITY & CONNECTIONS, EROSION CONTROL, DRAINAGE

ARCHITECTURAL

A0.1 GENERAL & APPLICABLE CODE NOTES
A0.2 EGRESS/ LIFE SAFETY PLANS
A0.3 CODE SECTION & ELEVATION
A0.4 WALL TYPES
A0.5 CODE DETAILS
A1.0 CONSTRUCTION MANAGEMENT PLAN
A1.1 SITE PLAN & EXTERIOR LIGHTING PHOTOMETRIC PLAN
A2.1 BASEMENT LEVEL FLOOR PLAN
A2.2 LEVEL 1 FLOOR PLAN
A2.3 LEVEL 2 FLOOR PLAN
A2.4 LEVEL 3 FLOOR PLAN
A2.5 ROOF PLAN
A3.1 BUILDING ELEVATION, WEST
A3.2 BUILDING ELEVATION, SOUTH
A3.3 BUILDING ELEVATION, EAST
A3.4 BUILDING ELEVATION, NORTH
A4.1 BUILDING SECTIONS
A4.2 BUILDING SECTIONS
A4.3 BUILDING SECTIONS
A4.4 WALL SECTIONS & DETAILS
A5.1 DETAILS & DOOR SCHEDULES
A5.2 DETAILS

STRUCTURAL ENGINEERING

S1.0 GENERAL NOTES & DETAILS
S1.1 FOUNDATION PLAN
S1.2 MAIN LEVEL FRAMING PLAN
S1.3 MAIN LEVEL FRAMING PLAN
S1.4 SECOND FLOOR FRAMING PLAN
S1.5 SECOND FLOOR SHEAR WALL PLAN
S1.6 THIRD FLOOR FRAMING PLAN
S1.7 THIRD FLOOR SHEAR WALL PLAN
S1.8 ROOF FRAMING PLAN
S5.1 - 6 SECTION AND DETAILS

MECHANICAL ENGINEERING

M1-1 THRU M2-2

PLUMBING ENGINEERING

P1-1 THRU P1-11

ELECTRICAL ENGINEERING, REFLECTED CEILING PLANS

E2-1 THRU E2-10
ELEVATOR DRAWINGS (8) SHEETS

DEVELOPER BDES, INC.
PO BOX 3513
EAGLE, CO 81631

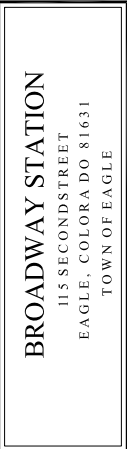
DEVELOPER REPRESENTATIVE JOANNA HOPKINS
HOPKINS DEVELOPMENT STRATEGIES
PO BOX 4388
VAIL, CO 81658

ARCHITECT MAGGIE T. FITZGERALD, AIA
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AVON, COLORADO 81620
(970) 748-0274

STRUCTURAL ENGINEERING ANDERSON STRUCTURAL ENGINEERING
LONDON ANDERSON
(970) 984-0320
LONDON@ANDERSON-STRUTURAL.COM

MECHANICAL, ELECTRICAL, & PLUMBING ENGINEERING BIG HORN CONSULTING ENGINEERS
BLAINE BUCK, PE
386 INDIAN ROAD
GRAND JUNCTION, COLORADO 81501
(970) 241-8709
BLAINE@BIGHORNENG.COM



ISSUE	DATE	DESCRIPTION
DESIGN DEVELOPMENT SET	FEB. 14, 2020	
PROGRESS SET	FEB. 24, 2020	
PERMIT SET	MAY 1, 2020	
RESPONSE TO COMMENTS	JUNE 29, 2020	
REVIEW SET	SEPT. 23, 2020	
CONSTRUCTION SET	SEPT. 23, 2020	



OCT. 6, 2020
UPDATED WINDOW INFO.

OCCUPANCY CLASSIFICATION

LEVEL (FUNCTION)	OCCUPANCY	GSF @ USE	OCC LOAD FACTOR	OCCUPANTS	# OF EXITS	EXIT WIDTH
BASEMENT (below grade storage)	S1	3,121	300	11	1	n/a
LEVEL 1 - (at grade restaurant (2,679), kitchen area, retail, office)	A	2,129	15	142	3+	n/a
	M	550	200	3	2	
	B	1,206	60	21	2	n/a
	B	940	100	10	2	
LEVEL 2 (11 apartments)	R-2	6,835	200	35	2	n/a
LEVEL 3 (11 apartments)	R-2	6,672	200	34	2	n/a
TOTAL				258		

NOTES:
a. LEVEL 1 CONTAINS (3) UNITS TO BE FINISHED TO "WHITE BOX LEVEL" WITH TENANT FINISH PERMIT TO FOLLOW USE & OCCUPANCY IS ESTIMATED.
b. LEVEL 2 PROVIDES - (1) TYPE "A" ADA UNIT AND (10) TYPE "B" ADA"

CODE NOTES:

APPLICABLE CODES:

- TOWN OF EAGLE MUNICIPAL CODE
- 2015 INTERNATIONAL BUILDING CODE
- 2015 MECHANICAL CODE
- 2015 PLUMBING CODE
- 2015 NATIONAL ELECTRIC CODE
- 2015 ENERGY CODE - PRESCRIPTIVE METHOD

1. BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM PER NFPA 13 AND IN ACCORDANCE WITH IBC 2015 SECTION 903.3.1.1

302 & 508.4 USE & OCCUPANCY - MIXED USE TO INCLUDE B, M, & R-2

504 ALLOWABLE HEIGHT PER TOWN OF EAGLE = 35' MAX +4' PARAPET ALLOWABLE AREA = @R2 TYPE, 5A, 5M = 36,000
510 OPEN PARKING

601 CONSTRUCTION TYPE IS 5A

705.8 MAX AREA OF EXTERIOR WALL OPENINGS WITHIN 3'-5' OF PROPERTY LINE = 15%

708.4 FIRE PARTITION WALLS SHALL EXTEND FROM THE TOP OF FOUNDATION TO FLOOR /CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE.
EXCEPTION 6 - FIRE BLOCKING OR DRAFT STOPPING IS NOT REQUIRED AT THE PARTITION LINE IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED THROUGHOUT IN ACCORDANCE WITH SECTION 903.3.1.1 WITHIN COMBUSTIBLE - 3000 SF MAX

1006.3.2(2) STORIES WITH ONE EXIT - FIRST STORY ABOVE OR BELOW GRADE PLANE, OCCUPANCY S, MIN. COMMON PATH OF EGRESS TRAVEL DISTANCE 75, MIN. OCCUPANT LOAD 49

1009.3 STAIR 48" WIDE BETWEEN RAILS EXCEPTION 2 - NOT REQUIRED FOR FULLY SPRINKLED BUILDINGS

1009.4 ELEVATOR - SHALL COMPLY WITH THE EMERGENCY SIGNALING DEVICE REQUIREMENTS

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NOTE - THRESHOLD ELEVATION CHANGES NOT TO EXCEED 3/4"

STAIRWAYS

1011 - WIDTH & CAPACITY (MIN. WIDTH SHALL NOT BE LESS THAN 44" EXCEPTION 1 - STAIRWAYS SERVING AN OCCUPANT LOAD OF LESS THAN 50 SHALL HAVE A WIDTH OF NOT LESS THAN 36 INCHES.

1020.1 CORRIDOR FIRE RESISTANCE RATING AR R OCCUPANCY, GREATER THAN 10 OCCUPANTS WITH SPRINKLER .5 HR RATING REQUIRED MIN. 36" CLEAR

1107 ACCESSIBILITY (1) PARKING SPACE REQUIRED, 2% OR (1) TYPE A UNIT REQUIRED, (1) PROVIDED ON LEVEL 2 REMAINING UNITS ON THE SAME LEVEL. LEVEL 2 REQ. TO BE TYPE B UNITS

1207 SOUND RATING AT DEMISING WALLS NOT TO BE LESS THAN 50 STC

EXIT SIGNAGE -

1203 VENTILATION REQUIRED R-25 CLIMATE ZONE 6

1205 NATURAL LIGHT REQUIRED 8% OF THE FLOOR AREA

2103 MASONRY UNITS SHALL COMPLY WITH ARTICLE 2.3 OF TMS 602/ACI 503.1/ASCE6.

2110 GLASS UNIT MASONRY SHALL COMPLY WITH CHAPTER 13 OF TMS 402/ACI 530/ASCE 5 AND THIS SECTION

3306.1 PROTECTION OF PEDESTRIANS DURING CONSTRUCTION BARRIER REQUIRED. COVERED WALKWAY NOT REQUIRED AS BUILDING IS SET OFF BARRIER 5'-6"

PROJECT GENERAL NOTES:

1. DETAILS AND NOTES INDICATE TYPICAL CONDITIONS. MINOR DEVIATIONS FROM TYPICAL ARE TO BE ANTICIPATED AND ARE INFERRED. DETAILS AND NOTES PROVIDE DIRECTION AND OUTLINE THE DESIGN INTENT. THE CONTRACTOR SHALL USE PROFESSIONAL JUDGEMENT WHEN DEALING WITH SIMILAR CONDITIONS.

2. THE CONTRACTOR SHALL INVOLVE THE ARCHITECT IN PRE-CONSTRUCTION MEETINGS WITH SUB CONTRACTORS AND TRADESMEN. THE CONTRACTOR SHALL RELY UPON THE ARCHITECT TO COMMUNICATE THE DESIGN INTENT AND EXPECTED RESULTS.

3. DIMENSIONS ARE TO FACE OF STUD, CONCRETE OR MASONRY UNLESS NOTED OTHERWISE. DIMENSIONS AT COLUMNS ARE TO CENTERLINE. VERTICAL DIMENSIONS ARE TO SUB FLOOR.

4. DO NOT SCALE DRAWINGS. TYPICAL AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS THE SAME OR REPRESENTATIVE FOR ALL SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE.

5. NOTIFY ARCHITECT OF ANY DISCREPANCIES WITHIN DRAWINGS, BETWEEN ENGINEERING, SPECIFICATIONS OR TRADES

6. ALL PENETRATIONS OF FIRE RESISTIVE FLOORS WALLS, AND OTHER ASSEMBLIES SHALL BE PROTECTED WITH MATERIALS CONFORMING TO UNDERWRITERS LABORATORIES (UL) LISTINGS FOR "THROUGH PENETRATION FIRE STOP SYSTEMS" THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE BUILDING INSPECTOR PRIOR TO APPLICATION

7. ALL UL LISTED ASSEMBLIES SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE MOST RECENT EDITION OF THE UNDERWRITERS LABORATORIES FIRE RESISTANCE MANUALS.

8. CONTRACTOR TO PROVIDE ADEQUATE BLOCKING IN WALLS TO RECEIVE ATTACHED EQUIPMENT, PLUMBING FIXTURES, MILLWORK, CASEWORK, OR FUTURE ADA REQUIRED GRAB BARS.

9. USE METAL EDGE AT ALL GYPSUM WALL BOARD AND CHANGES OF MATERIAL.

10. PROVIDE SEALANT AROUND ALL PLUMBING FIXTURES WHERE THEY ABUT AND ADJACENT SURFACE.

11. ALL SIGNS REQUIRE SEPARATE APPROVALS AND PERMITS.

12. ELEVATOR SHALL BE FULLY ACCESSIBLE TO DISABLED PER IBC CH.11, ADA, AND HUD FAIR HOUSING ACT. ELEVATOR SHALL ALSO ACCOMMODATE A STRETCHER AND TWO FIRST RESPONDERS PER TOWN OF EAGLE FIRE DEPT REQUEST

13. MASONRY SHALL COMPLY WITH THE INSPECTION AND TESTING REQUIREMENTS OF CH. 17 AND TMS 602/ACI 530.1/ASCE 6.

RESIDENTIAL NOTES:

1. BASEBOARD ELECTRIC HEAT
2. 40 WATER HEATER IN EACH UNIT
3. MICROWAVE FAN OVER ELECTRIC STOVE

INTERIOR FINISH NOTES:

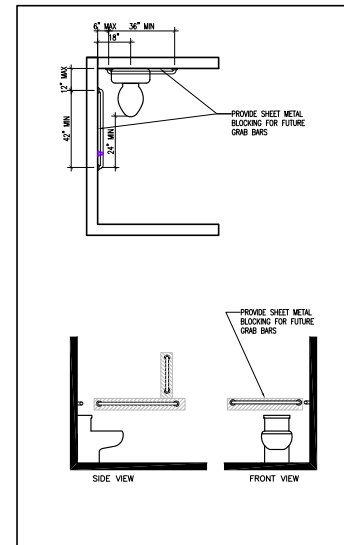
4. FIBER-GLASS SHOWERS INSERT
5. COUNTER DEPTH REFRIGERATORS
6. LVT FLOORING THROUGH OUT UNITS
7. COVE BASE AT UNIT BATHROOMS
8. MDF 3 1/2" BASE, SQUARE EDGE
9. VANITY MIRROR WITH INTEGRAL LIGHT
10. INTERIOR DOORS (2) PANEL 6-8" PAINT GRADE
11. MDF TRIM AT WINDOW & DOORS
12. CARPET WITH COVE BASE AT COMMON AREAS

TYPE B UNIT RESIDENTIAL - UNIT 201, 202, 203, 205 - 211

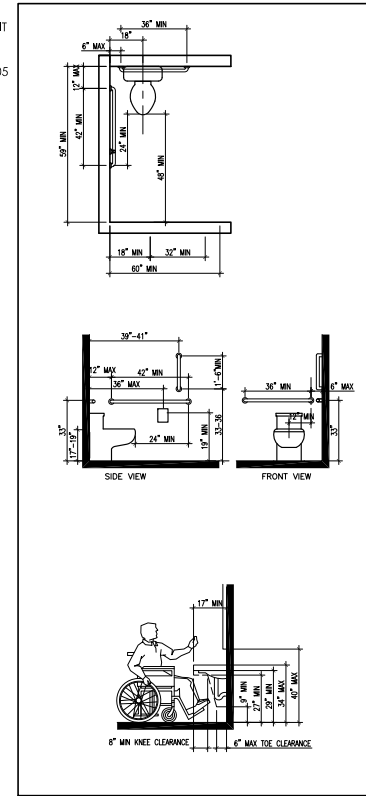
1. PROVIDE CLEARANCES NOTED ON PLAN FOR SIDE APPROACH AT SINKS AND BATHROOM VANITIES
2. PROVIDE BLOCKING FOR FUTURE GRAB BARS AT BATHROOM TOILET & TUBS
3. REMOVABLE BASE CABINETS FOR FUTURE CLEARANCES REQUIRED
4. COUNTERTOPS TO BE 34" A.F.F.
5. ALL PASSAGEWAYS TO BE 2'-0" CLEAR
6. UNITS ARE TO BE ADAPTABLE AND EASILY CONVERTED TO A TYPE A UNIT IF NECESSARY

TYPE A UNIT RESIDENTIAL - UNIT 204

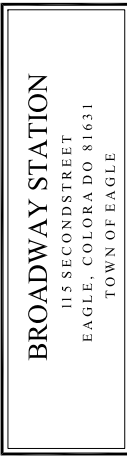
1. PROVIDE CLEARANCES NOTED ON PLANS AT BATHROOM, KITCHEN, & ACCESSIBLE ROUTE TO THE UNIT AND THROUGHOUT THE UNIT (2'-8" CLEAR)
2. LEVER TYPE DOOR HARDWARE THROUGHOUT ALL RESIDENTIAL
3. ACCESSIBLE THRESHOLD ON ACCESSIBLE ROUTE AND THROUGHOUT UNIT
4. 34" LAVATORY AND COUNTERS
5. PROVIDE ACCESSIBLE WINDOW DESIGN THROUGHOUT
6. PROVIDE KNEE SPACE AT KITCHEN SINK, STOVE & WORK AREA PER 3/A.05
7. PROVIDE SIDE BY SIDE REFRIGERATOR
8. LOCATE MICROWAVE BELOW COUNTER OR RE 5/A.05
9. ALL COUNTERS 34" MAX A.F.F.
10. THRESHOLD NOT BE GREATER THAN 1/2" WITH A 2:1 RISE



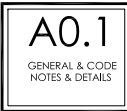
TYPE A & B UNIT BACKING DETAILS
SCALE: 1/8" = 1'-0"

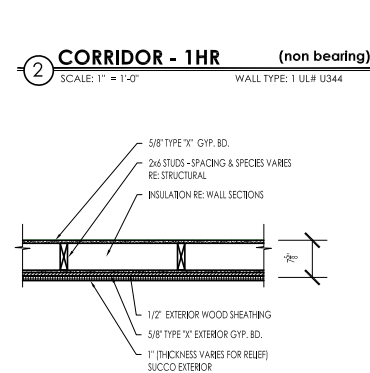
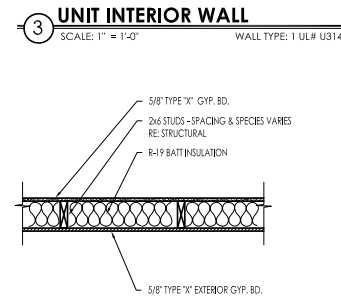
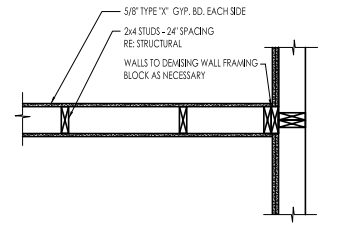
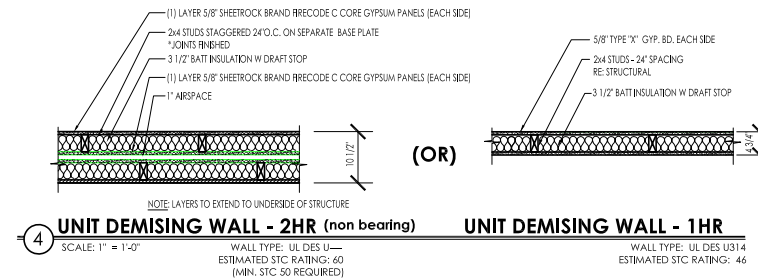
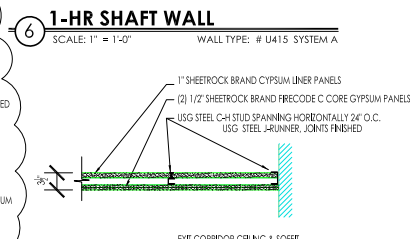
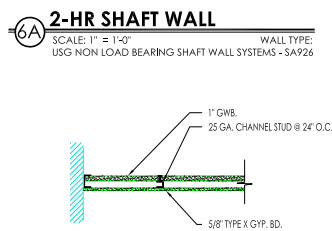
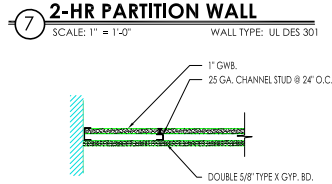
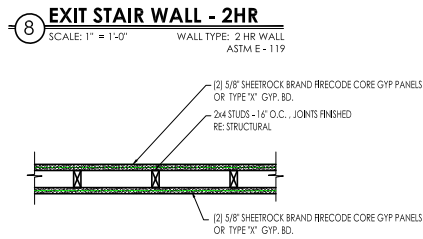
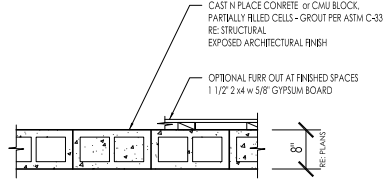
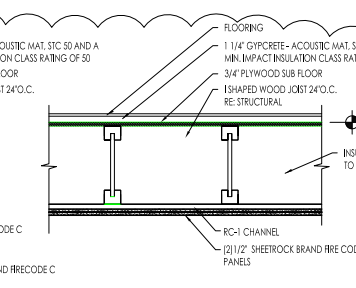
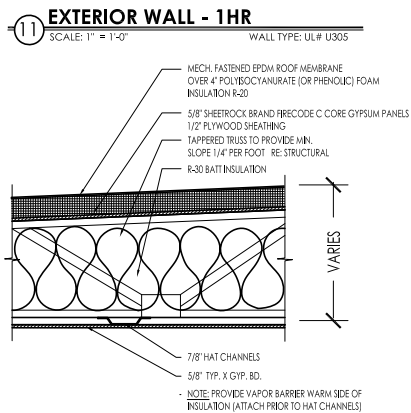
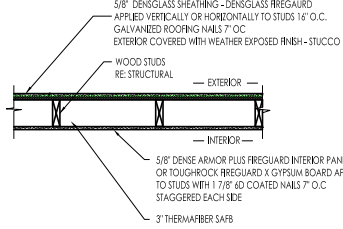
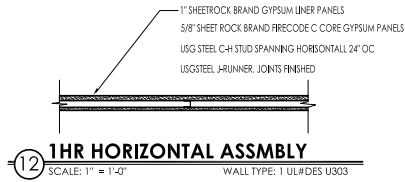


TYPE A UNIT DETAILS
SCALE: 3/8" = 1'-0"



Issue:	CD/ID:
DESIGN DEVELOPMENT SET	FEB. 14, 2020
PROGRESS SET	FEB. 24, 2020
PERMIT SET	MAY 1, 2020
RESPONSE TO COMMENTS	JUNE 20, 2020
REVIEW SET	SEPT. 23, 2020
CONSTRUCTION SET	SEPT. 23, 2020





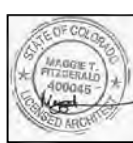
WALL SCHEDULE

- 1HR EXTERIOR WOOD FRAME WALL
- 1HR CORRIDOR WALL (NON-BEARING)
- NON RATED UNIT PARTITION WALL
- 2HR UNIT DEMISING WALL (NON-BEARING)
- 2HR HORIZONTAL MEMBRANE
- 1HR SHAFT WALL
- 2HR SHAFT WALL
- 2HR PARTITION WALL
- 2HR EXIT STAIR WALL
- 1HR FLOOR TO CEILING ASSEMBLY
- 2HR FLOOR TO CEILING ASSEMBLY AT EXIT PASSAGE WAY
- 1HR ROOF CEILING ASSEMBLY
- 1HR EXTERIOR WALL
- 1HR HORIZONTAL ASSEMBLY

WALL TYPE NOTES:

- RATED WALLS ARE TO BE CONTINUOUS FROM RATED ASSEMBLY TO RATED ASSEMBLY
- ALL EXPOSED STRUCTURAL STEEL TO BE 1HR RATED WITH INTRINSIC PAINT
- REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND SCHEDULES STUD SPACING, ETC.
- PROVIDE 3 1/2" SOUND BATT AT ALL INTERIOR BEARING, BATHROOM WALLS, AND BEDROOM TO BEDROOM WALLS. RE: STRUCTURAL FOR BEARING WALL LOCATIONS.
- GYP. BOARD, GYP. PANEL PRODUCTS AND ACCESSORIES SHALL CONFORM TO THE APPROPRIATE STANDARDS PER BIC SECTION 2506.2 AND TABLE 2506.2. ALL GYP. BOARD REFERENCED IS TO BE 5/8" TYPE X.

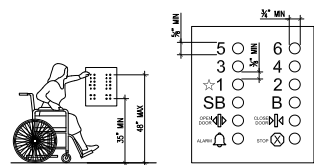
Maggie T. Fitzgerald, AIA
architect
P.O. Box 1328 Eagle, Colorado 81631
970-445-0486



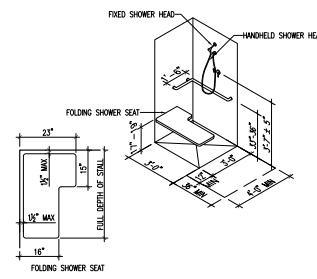
BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

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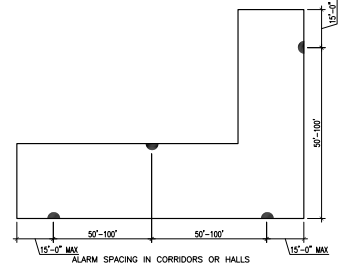
A0.4
WALL TYPES



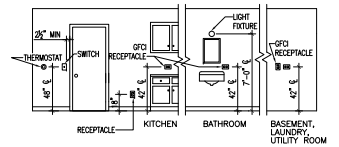
16 ELEVATOR CONTROL PANEL
SCALE: 1/4" = 1'-0"



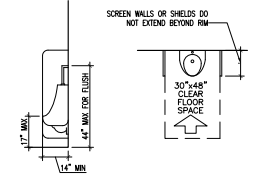
16 ACCESSIBLE SHOWER
SCALE: 1/4" = 1'-0"



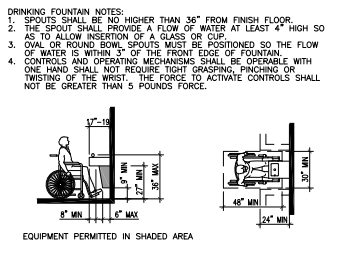
12 SMOKE/FIRE ALARM
SCALE: 1/4" = 1'-0"



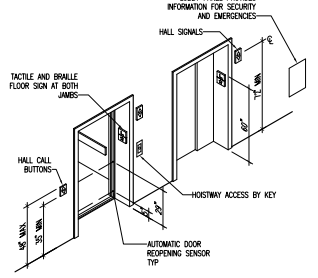
8 MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"



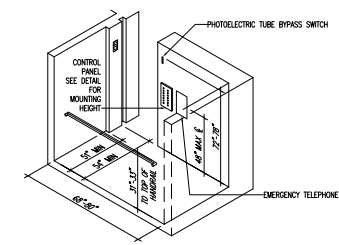
4 URINAL
SCALE: 3/8" = 1'-0"



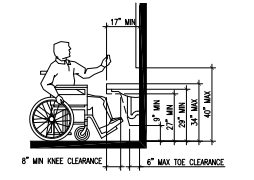
15 DRINKING FOUNTAIN CLEARANCES
SCALE: 1/4" = 1'-0"



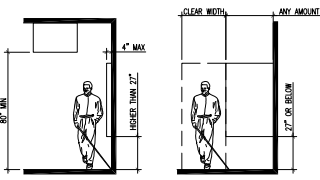
11 ELEVATOR ENTRANCE
SCALE: 1/4" = 1'-0"



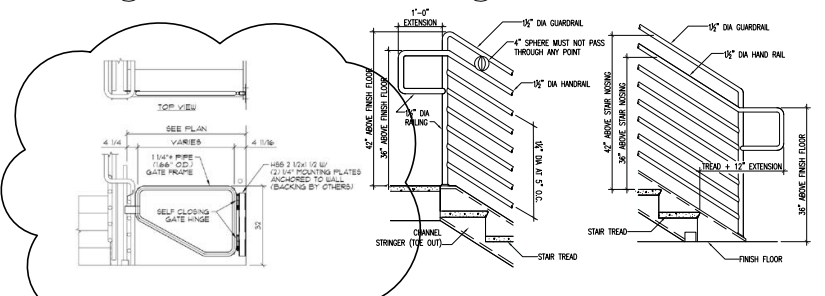
7 ELEVATOR CAB REQUIREMENTS - ACCESSIBLE
SCALE: 1/4" = 1'-0"



3 ACCESSIBLE TOILET ROOM LAVATORY
SCALE: 3/8" = 1'-0"

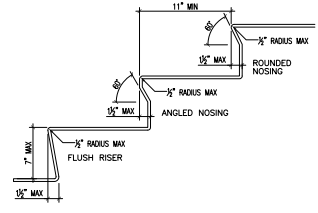


19 OBTRUDING OBJECTS
SCALE: 1/4" = 1'-0"

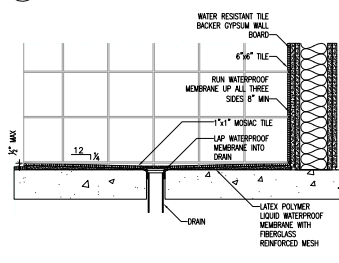


18 LEVEL OF DISCHARGE GATE
SCALE: 3/4" = 1'-0"

14 STAIR GUARDRAIL & HANDRAIL
SCALE: 3/4" = 1'-0"

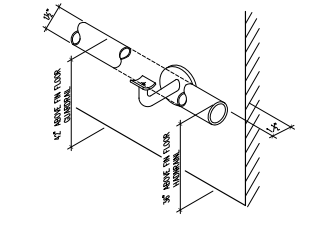
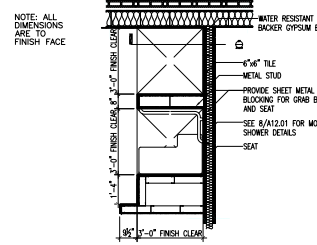


10 EXIT STAIR DETAIL
SCALE: 1/2" = 1'-0"

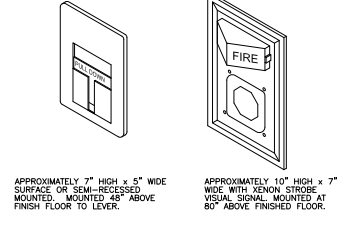


4 FLOOR DRAIN DETAIL
SCALE: 1/2" = 1'-0"

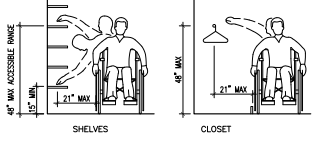
2 ACCESSIBLE TOILET RM HANDRAILS @ TOILET
SCALE: 3/8" = 1'-0"



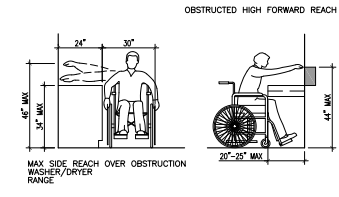
17 ALL HANDRAILS - DETAIL
SCALE: 1" = 1'-0"



13 FIRE ALARM PULL
SCALE: 1" = 1'-0"



9 REACH RANGE - SHELVES
SCALE: 3/8" = 1'-0"



5 REACH RANGE
SCALE: 3/8" = 1'-0"

1 ACCESSIBLE SHOWER SEAT
SCALE: 3/8" = 1'-0"

Maggie T. Fitzgerald, AIA
architect
P.O. Box 1328 Eagle, Colorado 81631
970-445-0495

STATE OF COLORADO
MAGGIE T. FITZGERALD
1400445
LICENSED ARCHITECT

BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

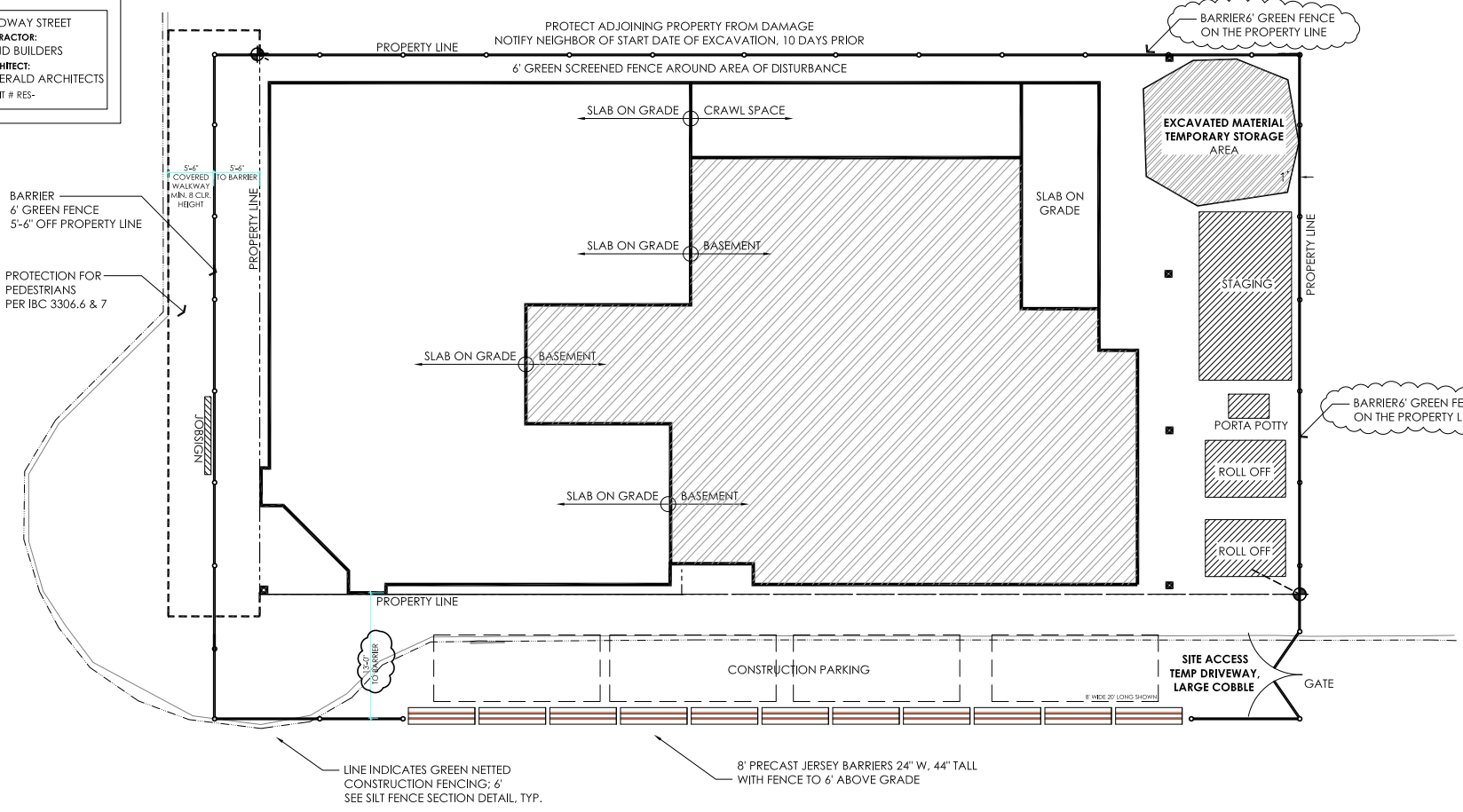
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	PROGRESS SET	FEB. 24, 2020
	PERMIT SET	MAY 1, 2020
	RESPONSE TO COMMENTS	JUNE 20, 2020
	REVIEW SET	SEPT. 18, 2020

A0.5
CODE DETAILS

CONSTRUCTION SIGN:

-LOGO-
BROADWAY STATION

201 BROADWAY STREET
CONTRACTOR:
 DESMOND BUILDERS
ARCHITECT:
 MAGGIE T FITZGERALD ARCHITECTS
 PERMIT # RES-



BARRIER
6' GREEN FENCE
5'-6" OFF PROPERTY LINE

PROTECTION FOR
PEDESTRIANS
PER IBC 3306.6 & 7

LINE INDICATES GREEN NETTED
CONSTRUCTION FENCING; 6'
SEE SILT FENCE SECTION DETAIL, TYP.

8' PRECAST JERSEY BARRIERS 24" W, 44" TALL
WITH FENCE TO 6' ABOVE GRADE

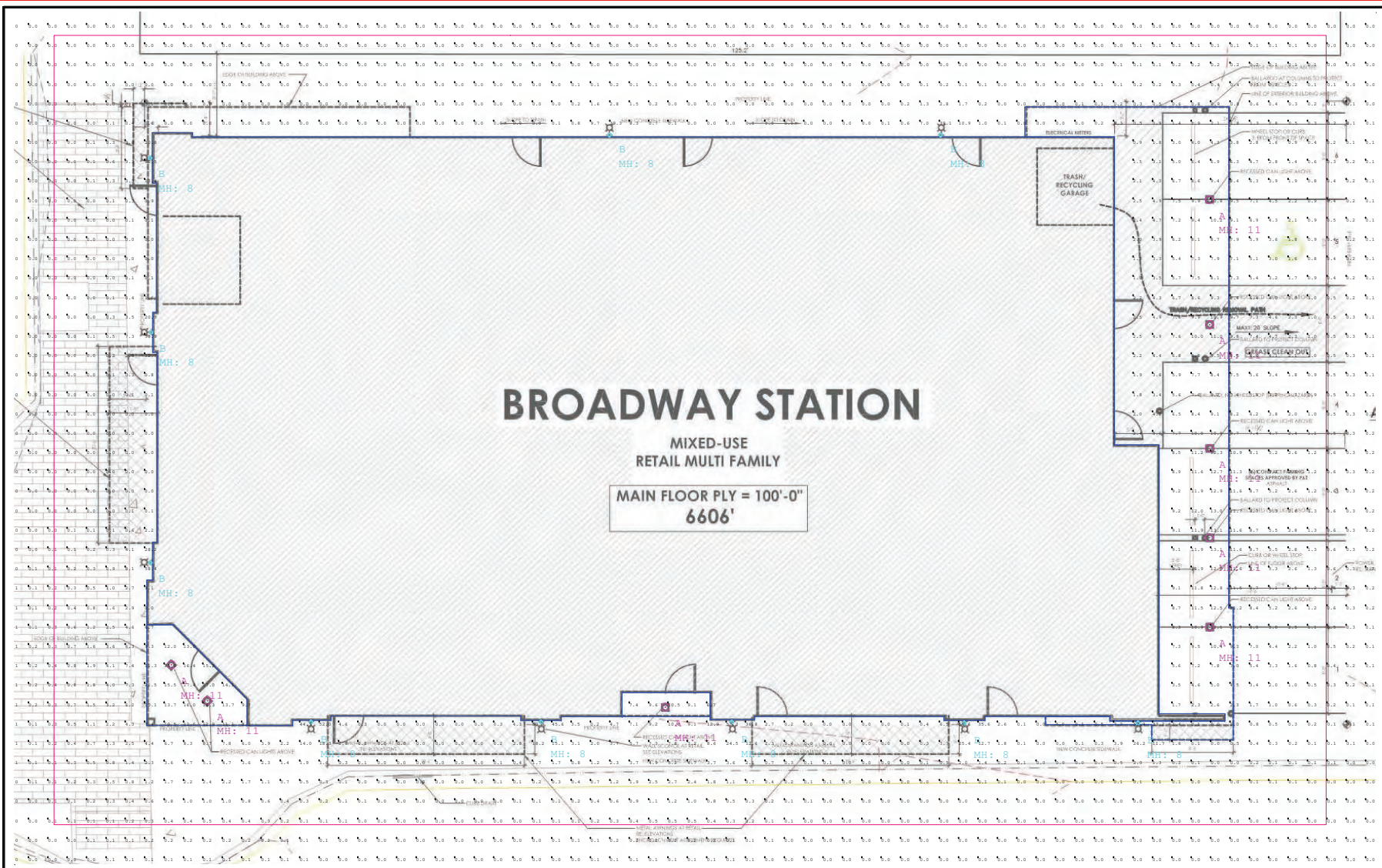
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BROADWAY STATION
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 EAGLE, COLORADO 81631
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ISSUE:	DATE:
PROGRESS SET	DEC. 23, 2019
SCHEMATIC DESIGN	JAN. 01, 2020
DESIGN DEVELOPMENT SET	FEB. 14, 2020
PROGRESS SET	FEB. 24, 2020
PERMIT SET	MAY 1, 2020
RESPONSE TO COMMENTS	JUNE 20, 2020

A1.0
 CONSTRUCTION
 MANAGEMENT PLAN



BROADWAY STATION

MIXED-USE
RETAIL MULTI FAMILY

MAIN FLOOR PLY = 100'-0"
6606'

ILLUMINATION SYSTEMS

5 SOUTH KALAMATH STREET
DENVER, CO 80223
PHONE: 303.295.2900
FAX: 303.293.8337
WWW.ILLUMSYS.COM

BROADWAY STATION
EXTERIOR SITE LAYOUT
115 EAST 2ND ST
EASGLE, CO

DATE: 6/18/2020

PHOTOMETRICS ARE NOT TO SCALE
DRAWINGS ARE FOR ESTIMATING
PURPOSES ONLY.
FOOT-CANDLE VALUES ARE
PREDICTED AT HORIZONTAL
CALCULATIONS UNLESS SPECIFIED
OTHERWISE. ACTUAL
FOOT-CANDLES MAY VARY.
FINAL CONSTRUCTION DRAWINGS
& CALCULATIONS ARE THE
RESPONSIBILITY OF A LICENSED
ARCHITECT OR ENGINEER.

REFLECTANCES:
N/A. DIRECT CALCULATIONS ONLY

MOUNTING HEIGHT:
VARIES CHECK LABELS

CALCULATION SPACING:
2'-0" x 2'-0"

FOOTCANDLE CALC HEIGHT:
0'-0" A.F.F.

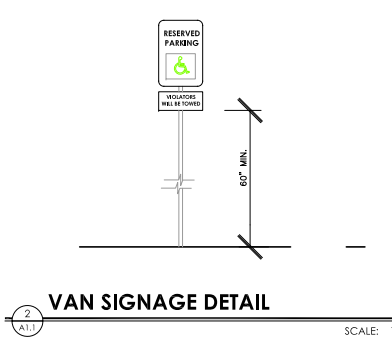
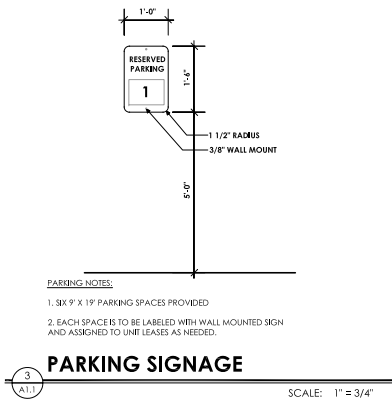
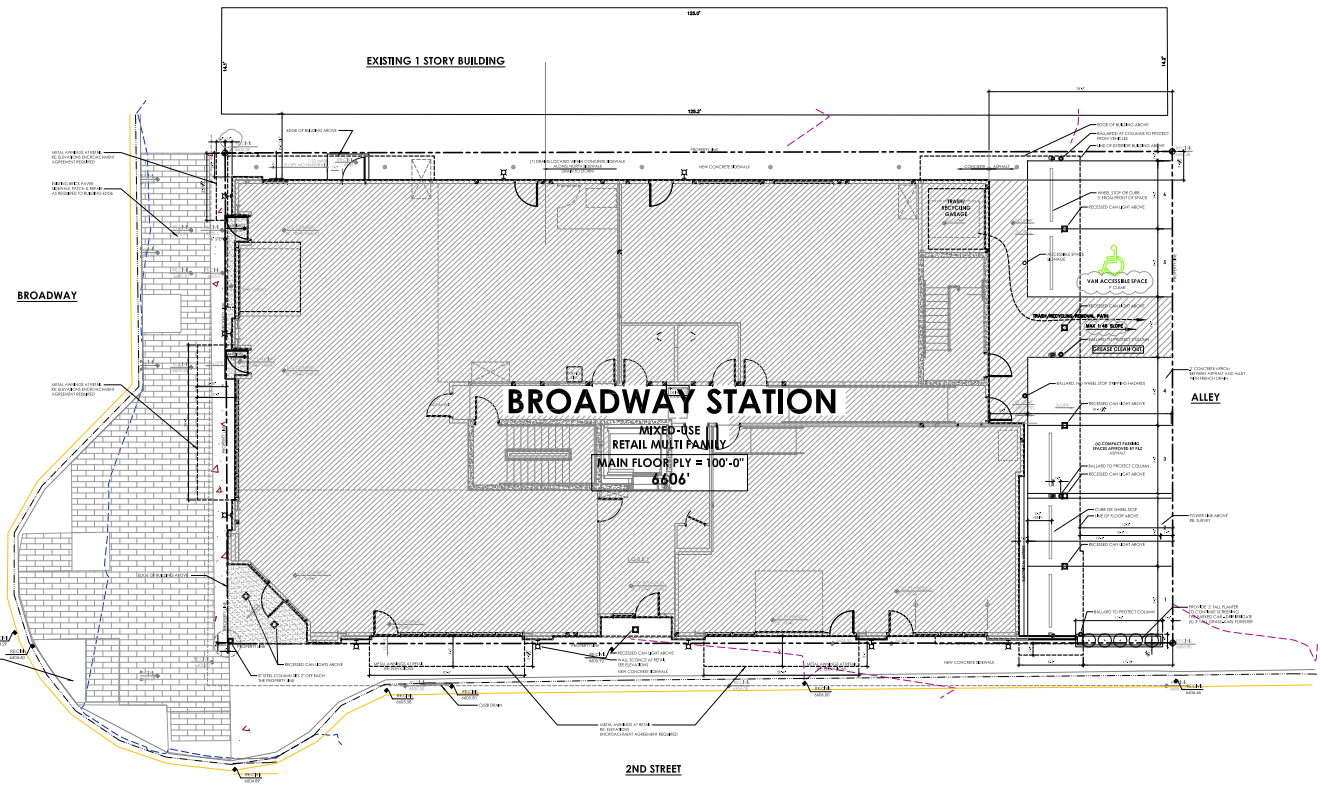
ADDITIONAL NOTES:
FIXTURES MAGNIFIED X2

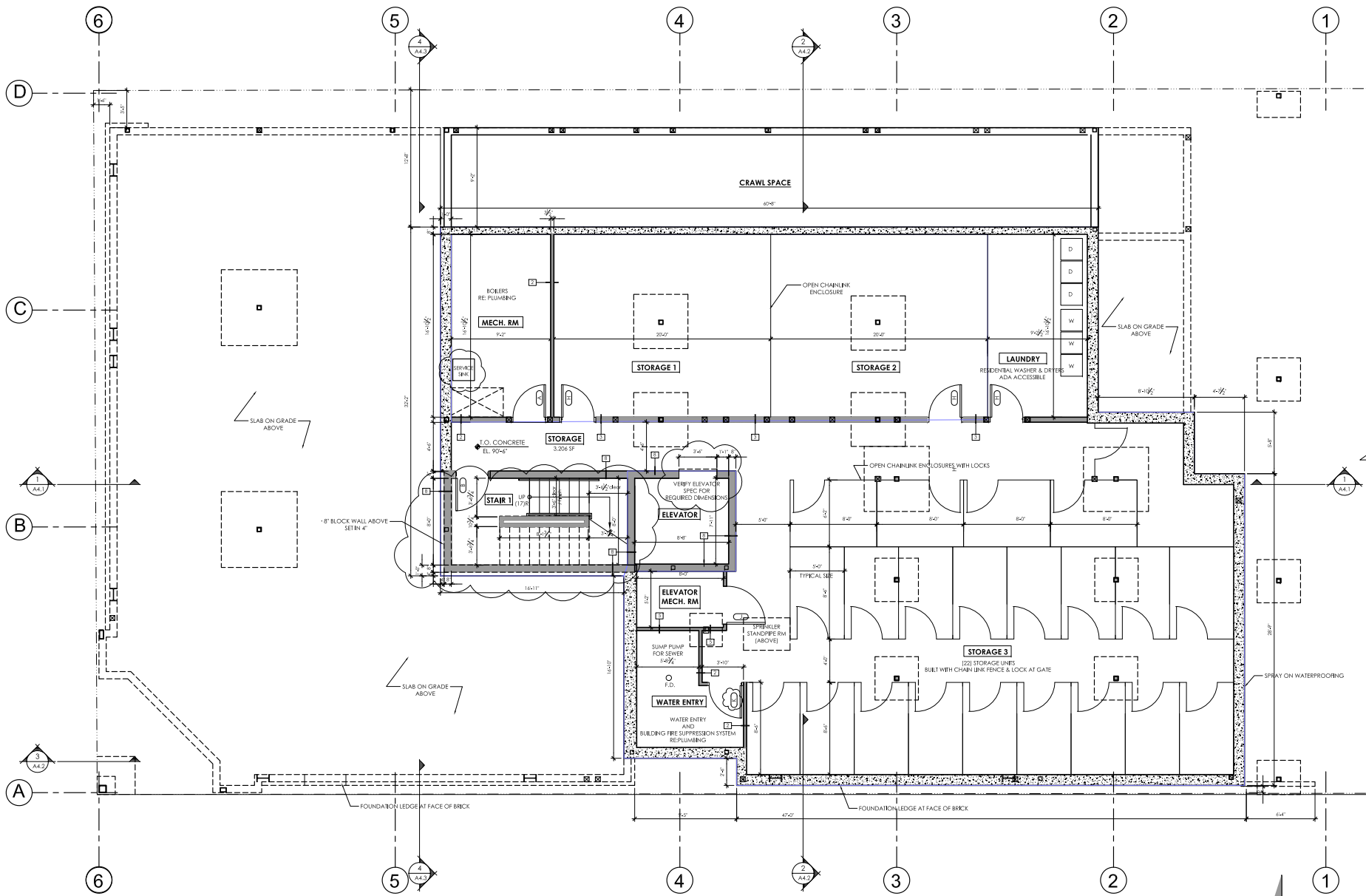
Luminaire Schedule						
Symbol	Qty	Label	Lum. Watts	Lum. Lumens	LLF	Catalog
⊙	8	A	20	1605	0.900	HC420D010-HM412830-41MDH
⊙	10	B	10	767	0.900	9002-W1-RW-LED3090-M-L1-UNV

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE AREA	Fc	1.13	60.5	0.0	N.A.	N.A.
EXTERIOR SITE LIGHTING	Fc	3.02	60.5	0.0	N.A.	N.A.

CREATED BY:
KENYDL COLONIAS
**FOR PRICING AND
AVAILABILITY, CONTACT
ILLUMINATION SYSTEMS
AT 303.295.2900**

ISSUE	DATE
DESIGN DEVELOPMENT SET	FEB. 14, 2020
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CONSTRUCTION SET	SEPT. 23, 2020





BASEMENT LEVEL FLOOR PLAN

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



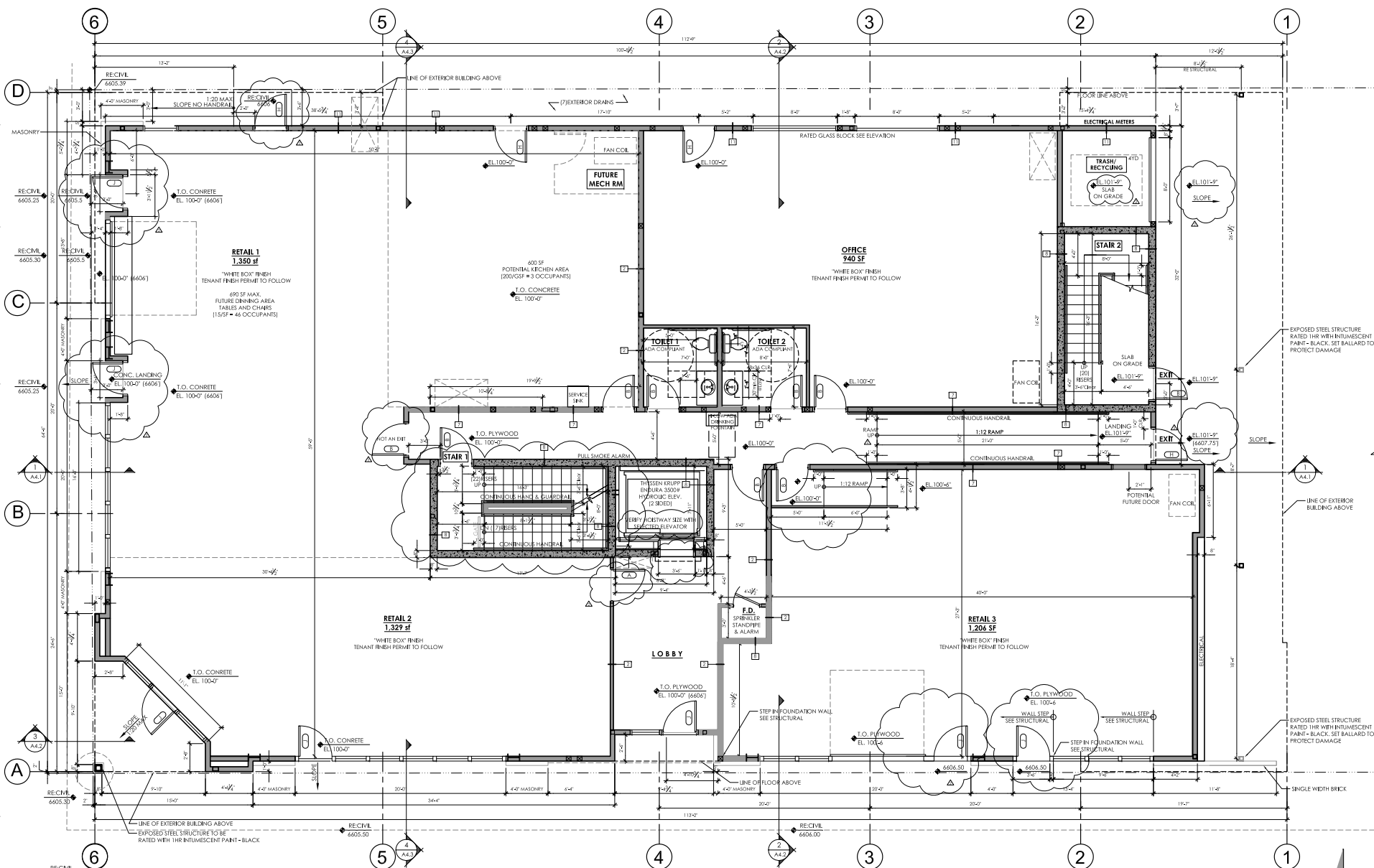
Maggie T. Fitzgerald, AIA
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 970-445-0486



BROADWAY STATION
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CONSTRUCTION SET	SEPT. 23, 2020	

A2.1
 BASEMENT FLOOR PLAN



MAIN LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

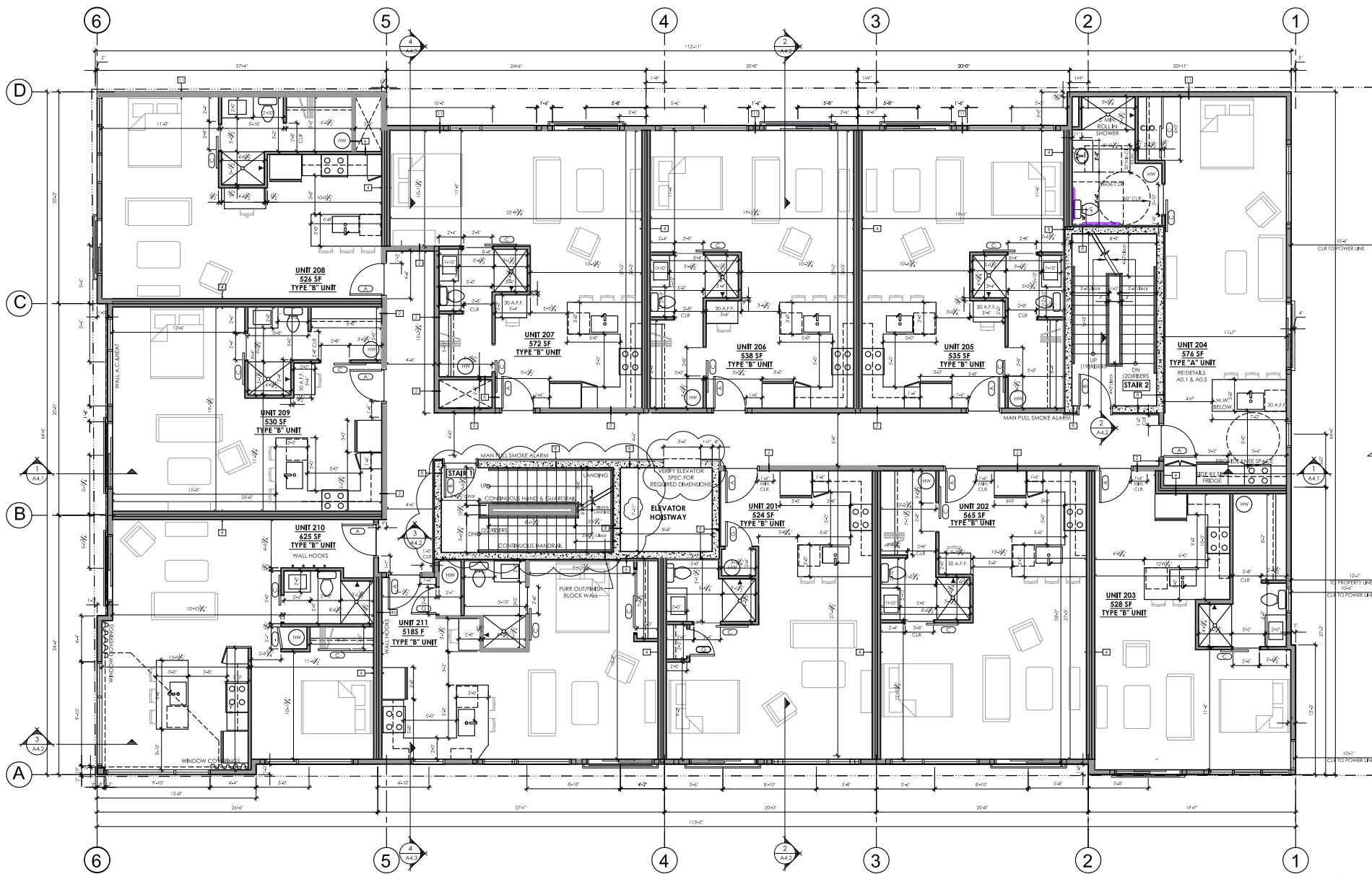
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970.445.0486



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01	DESIGN DEVELOPMENT SET	FEB. 14, 2020
02	PROGRESS SET	FEB. 24, 2020
03	PERMIT SET	MAY 1, 2020
04	RESPONSE TO COMMENTS	JUNE 10, 2020
05	REVIEW SET	SEPT. 23, 2020
06	CONSTRUCTION SET	SEPT. 23, 2020

A2.2
MAIN LEVEL FLOOR PLAN



LEVEL TWO FLOOR PLAN

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



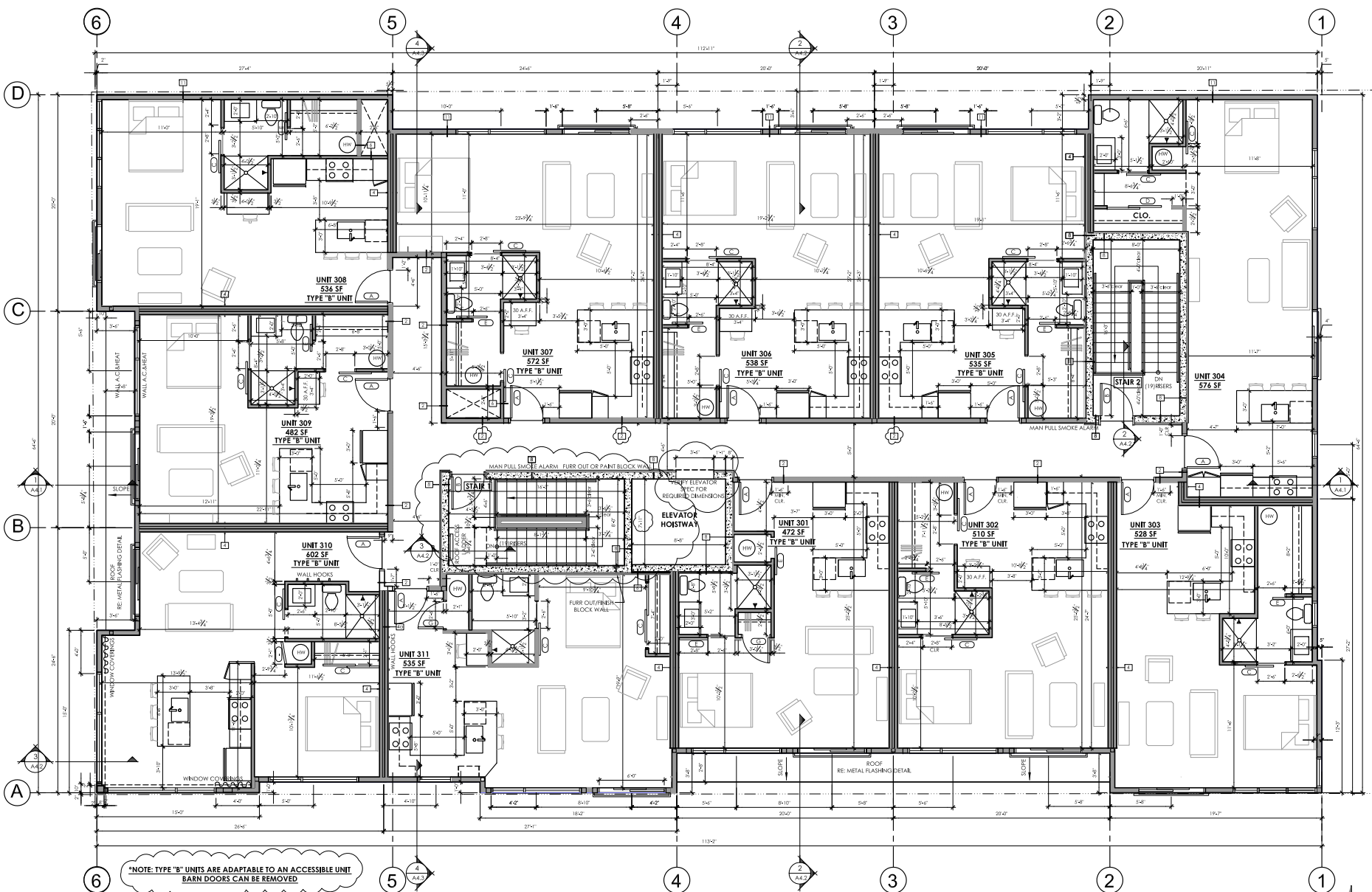
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A2.3
LEVEL 2
FLOOR PLAN



*NOTE: TYPE "B" UNITS ARE ADAPTABLE TO AN ACCESSIBLE UNIT
BARN DOORS CAN BE REMOVED

LEVEL THREE FLOOR PLAN

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

NORTH

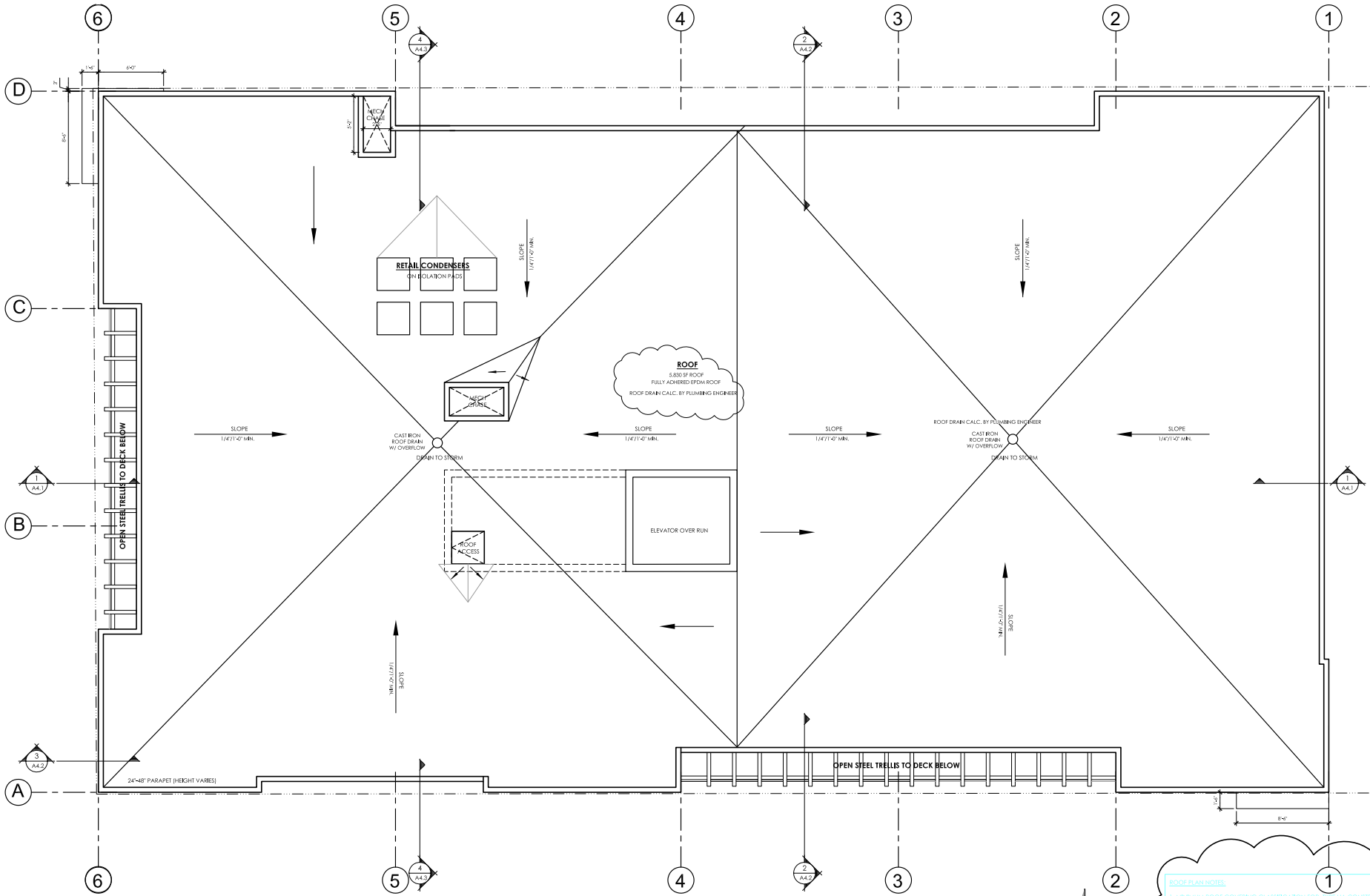
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A2.4
LEVEL 3
FLOOR PLAN



ROOF PLAN
SCALE: 1/4" = 1'-0"
NORTH

- ROOF PLAN NOTES:**
1. MINIMUM ROOF COVERING CLASSIFICATION FOR TYPE VA CONSTRUCTION TYPE II AS CALASIE R ROOF ASSEMBLY AND SHALL BE TESTED AS PER THE APPROVED TESTING AGENCY.
 2. THE ROOF FIBER CLASSIFICATION SHALL BE TESTED IN ACCORDANCE WITH ASTM 1582 OR 1585.
 3. FULLY ADHERED EPDM AND SINGLE PLY ROOF SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH ASTM E 2108 OR UL 703.
 4. THERMOSET SINGLEPLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE MIN OF NOT SLOPE OF 1/4" PER FOOT. 2% SLOPE FOR DRAINAGE.
 5. THERMOSET SINGLEPLY ROOF COVERINGS SHALL COMPLY WITH ASTM D4077, ASTM D5079 OR CGIB 31-02-2014.

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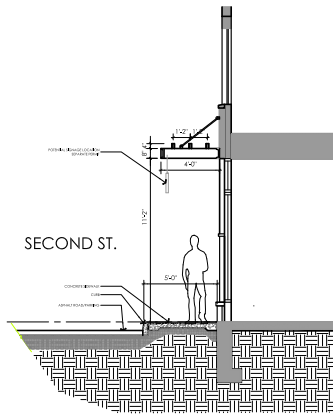
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A2.5
ROOF PLAN

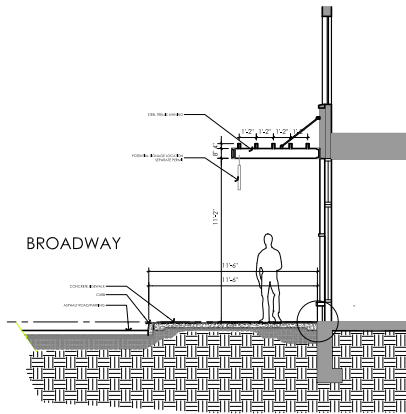


SIMILAR IMAGES OF STEEL TRELIS & AWNINGS



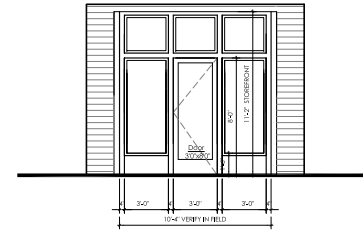
AWNING DETAIL @ 2nd ST

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



AWNING DETAIL @ BROADWAY

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



CORNER ELEVATION

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



WEST / BROADWAY BUILDING ELEVATION

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

- EXTERIOR MATERIAL NOTES:**
1. STUCCO - LATHING AND PLASTERING PRODUCT INSTALLATION AND ACCESSORIES TO MEET STANDARD IBC SECTION 2510.25.11 AND 2512.
 2. STUCCO SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH.
 3. WEEP SCREEDS SHALL BE PROVIDED IN ACCORDANCE WITH ASTM C926. A MIN. .01% CORROSION RESISTANT WEEP SCREED WITH A MIN. VERTICAL ATTACHMENT FLANGE OF 3 1/2" AT OR BELOW THE FOUNDATION PLATE ON EXTERIOR STUD WALLS.
 4. BUILDING ENVELOPE PENETRATION MAXIMUM U FACTOR (PER IECC TABLE C402.4 CLIMATE ZONE 4)
 - RES. PENETRATION: 0.36
 - OPERABLE PENETRATION: 0.43
 - ENTRANCE DOORS: 0.77
 5. 03.7 U FACTOR IS REQUIRED FOR OPAQUE SWINGING DOORS OF ANY MATERIAL WITHIN THE THERMAL ENVELOPE.
 6. SOLAR HEAT GAIN REQUIREMENT SHGC TO BE MAX. 0.4
 7. U FACTORS OF PENETRATION PRODUCTS (DOORS, WINDOWS) SHALL BE DETERMINED IN ACCORDANCE WITH NFRC 100 BY AN ACCREDITED, INDEPENDENT LABORATORY AND LABELED AND CERTIFIED BY THE MANUFACTURER. IF NOT LABELED, A DEFAULT U FACTOR SHALL BE ASSIGNED TO THE PRODUCT.
 8. SOLAR HEAT GAIN COEFFICIENT (SHGC) AND VISIBLE TRANSMITTANCE (VT) OF GLAZED PENETRATION PRODUCTS (WINDOWS, GLAZED DOORS) SHALL BE DETERMINED IN ACCORDANCE WITH NFRC 200 BY AN ACCREDITED INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER. IF NOT LABELED, A DEFAULT SHGC AND VT SHALL BE ASSIGNED TO THE PRODUCT.

Customize the look of your windows and doors with Andersen® grilles.

100 Series products are available with **Finelight™** grilles-between-the-glass that make window and patio door glass easy to clean. They have an elegant, sculpted profile, plus they offer a **two-sided color scheme**, allowing you to have grilles that match not only the interior but also your exterior color choice.



WINDOW MUTTIN DETAIL

- WINDOW NOTES:**
1. WINDOWS AT RETAIL - ANDERSON 100 SERIES - BLACK LOW E SMART SUN HEAT LOCK GLASS WITH TUBES RETAIL GLAZING PER TOWN OF EAGLE IS TO HAVE LOW REFLECTIVITY AND HIGH TRANSPARENCY.
 2. WINDOWS AT RESIDENTIAL - ANDERSON 100 SERIES - BLACK LOW E SMART SUN HEAT LOCK GLASS
 3. TEMPERED GLASS IS NOTED ON THE ELEVATIONS AS T PER BECC 2406.4 SAFETY GLAZING IS TO BE PROVIDED IN DOORS, AND WINDOWS LOCATED IN WITHIN 24" OF A DOOR, 18" WITHIN THE FINISHED FLOOR, OR ABOVE 7' OR F.E.
 4. GLAZING IN HAZARDOUS HUMAN IMPACT LOCATIONS SHALL BE TESTED IN ACCORDANCE WITH CPSC16 CFR1201 OR AS APPLICABLE ANSI Z97.1

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RESPONSE TO COMMENTS	JUNE 20, 2020
REVISION SET	SEPT. 23, 2020
CONSTRUCTION SET	SEPT. 23, 2020

A3.1
EXTERIOR ELEVATIONS

UPDATED WINDOW INFO: OCT. 4, 2020



5
A3.2
STUCCO
BM - HARBOR GREY



3
A3.2
CEDAR SIDING
8" CEDAR, CLEAR, SHIPLAP



4
A3.2
MASONRY
ACME - BURGUNDY

- EXTERIOR MATERIAL NOTES (CONT.):**
1. METAL PANEL SIDING - Metal Siding, 800gensteel or Equol Metal Siding; 7.2 Structural Metal Entry Accents; A608 Flat Panels; Commercial Industrial Accent Mountain Architectural COLOR - Dark Gray
 2. MASONRY - ANCHORED VENEER APPLICATION TO CONFORM TO ASTM STANDARD C214, GRADE SW BRICK FOR EXTERIOR VENEER ONLY. COLOR - TB0
 3. FLASHING SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT MOISTURE FROM ENTERING THE WALL OR TO REDIRECT MOISTURE TO THE EXTERIOR. FLASHING SHALL BE INSTALLED AT THE PERIMETERS OF DOOR AND WINDOW ASSEMBLIES, PENETRATIONS, TERMINATIONS OF EXTERIOR WALL ASSEMBLIES, WALL INTERSECTIONS WITH PORCHES, ROOFS ETC.
 4. MORTAR SHALL COMPLY WITH ASTM C270, MORTAR CEMENT, OR MASONRY CEMENT, TYPE N MORTAR.

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RESPONSE TO COMMENTS	JUNE 20, 2020
REVIEW SET	SEPT. 23, 2020
CONSTRUCTION SET	SEPT. 23, 2020

A3.2
EXTERIOR ELEVATIONS

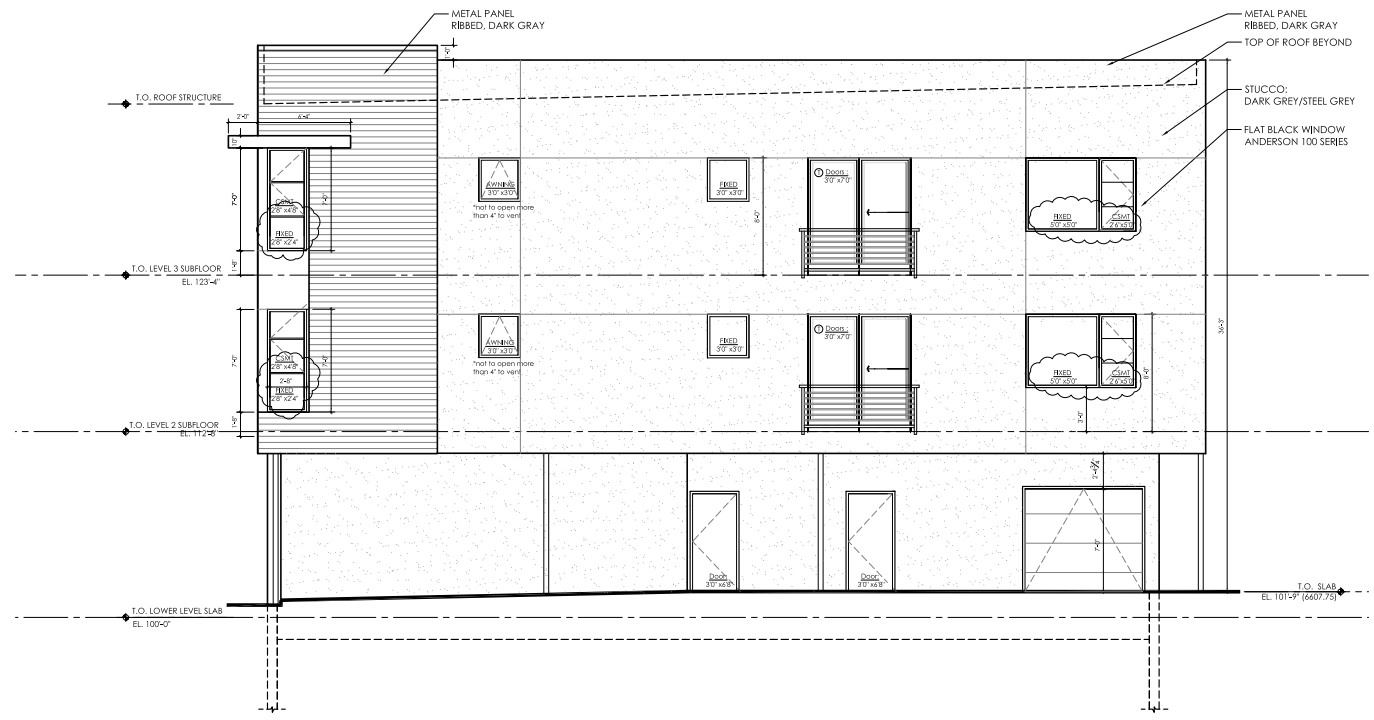


2
A3.2
SOUTH BUILDING ELEVATION

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

NOTE:
VENTILATION REQUIREMENTS: 45 FLOOR AREA;
COURT TYPICAL 500 SF (ONE) REQUIRE 22 SF CW OR EQUAL;
A 3' X 8' DOOR PROVIDES 24 SF OF VENTILATION;
A 3' X 6' WINDOW PROVIDES 18 SF OF VENTILATION

UPDATED WINDOW INFO: OCT. 6, 2020





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BROADWAY STATION

 115 SECOND STREET

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Issue:	DATE:
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EAST/ALLEY BUILDING ELEVATION

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

A3.3

 EXTERIOR ELEVATIONS



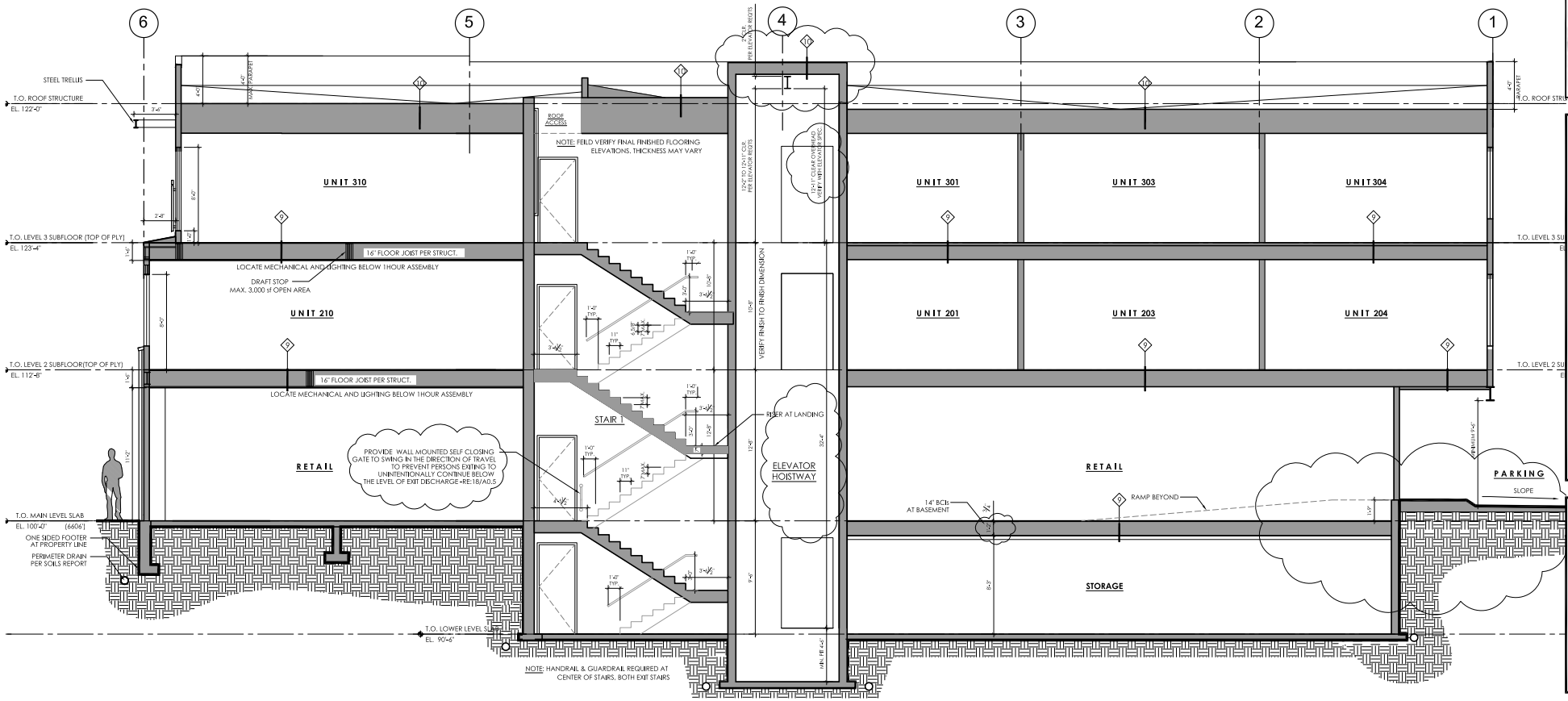
Issue:	date:
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NORTH/SIDE BUILDING ELEVATION
 SCALE: 1/4" = 1'-0"



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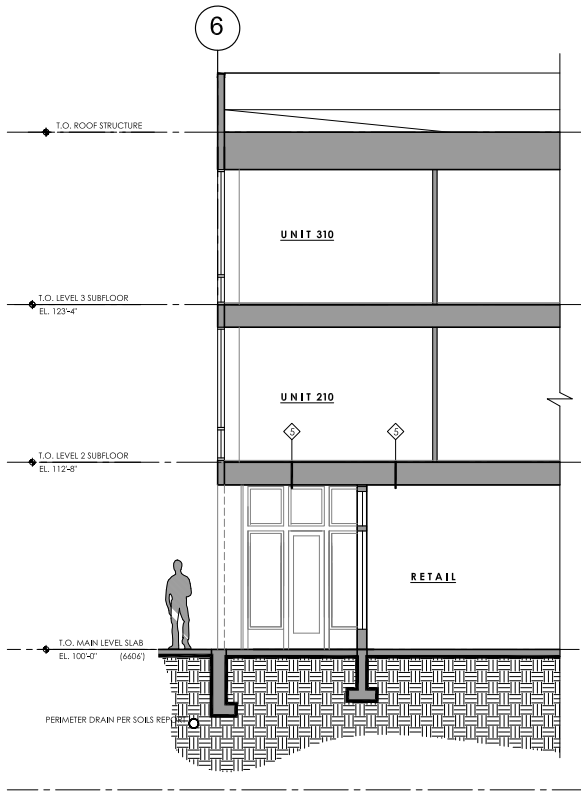
SECTION 1

WEST - EAST BUILDING SECTION

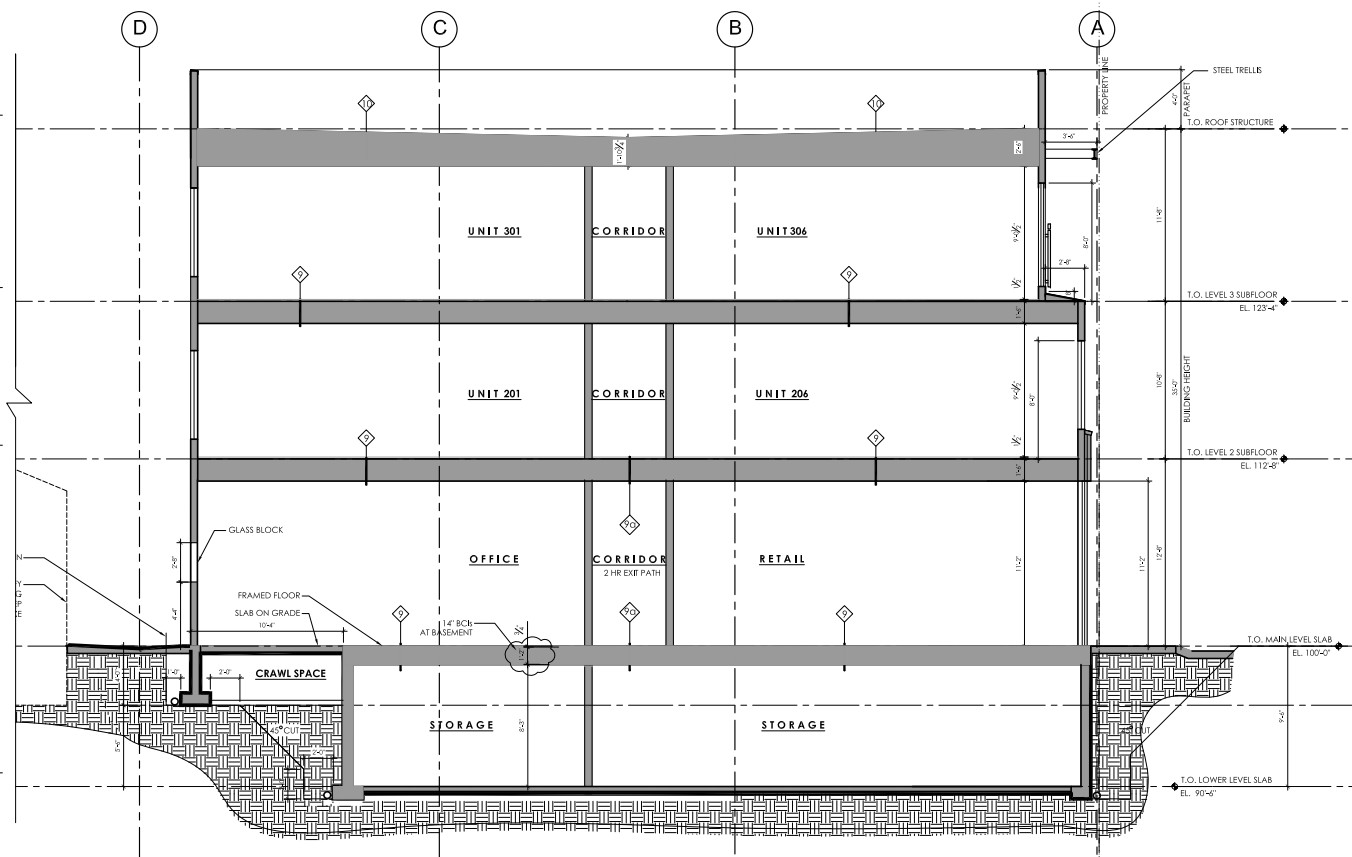
SCALE: 1/4" = 1'-0"



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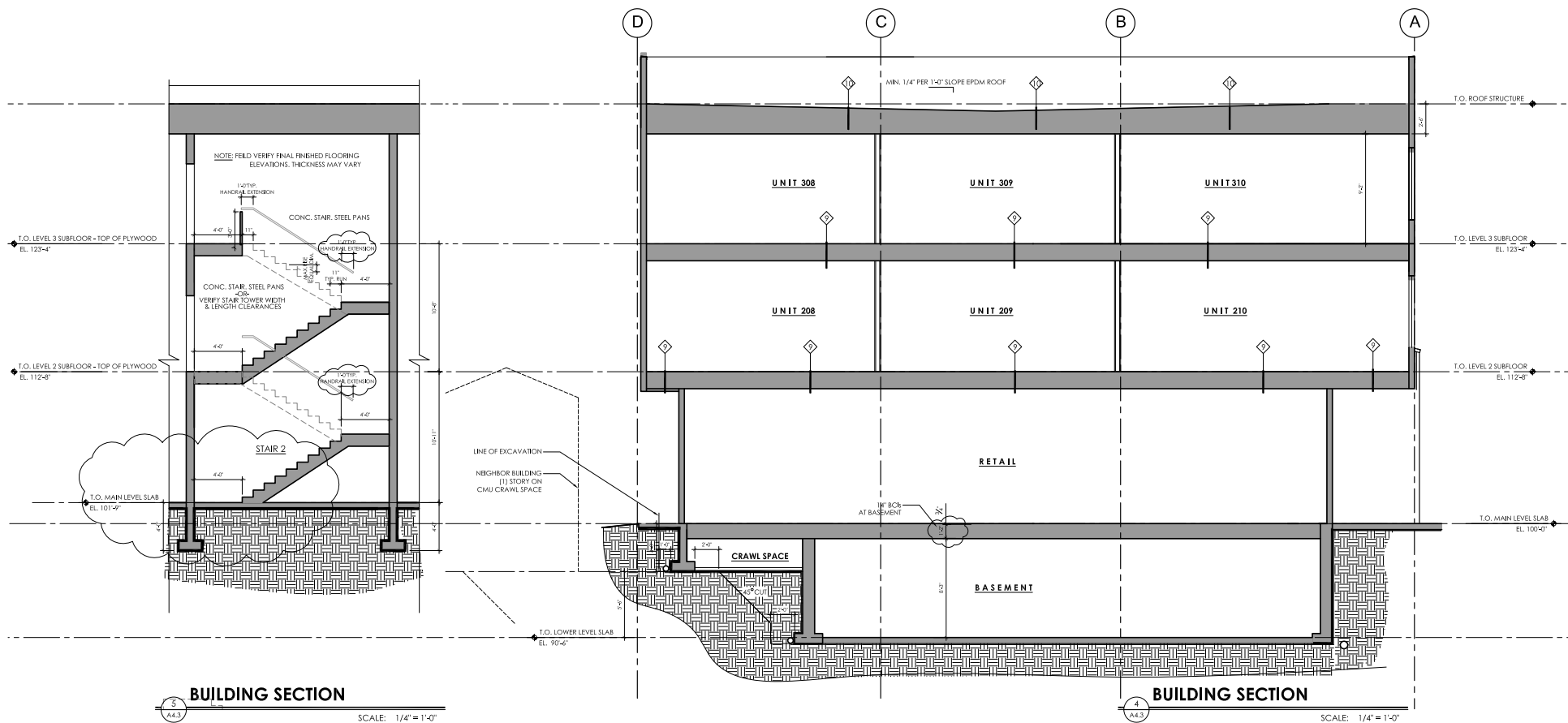
BUILDING SECTION
 3
 A4.2 SCALE: 1/4" = 1'-0"



BUILDING SECTION
 2
 A4.2 SCALE: 1/4" = 1'-0"



ISSUE:	DATE:
DESIGN DEVELOPMENT SET	FEB. 14, 2020
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BUILDING SECTION
 SCALE: 1/4" = 1'-0"

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

DOOR SCHEDULE:

MARK	WIDTH	HEIGHT	RATING	LOCATION	HARDWARE TYPE	MATERIAL / NOTES
A	3'-0"	6'-6"	20 MIN.	UNIT ENTRY	H1	SOLID CORE WOOD, HINGE W LEVER HANDLE, SELF-CLOSER
B	3'-0"	6'-6"	10 MIN.	STAR	H3	METAL HINGE W LEVER HANDLE, SELF-CLOSER
C	3'-0"	6'-6"	NON-RATED	03	H2	SLIDING BARN DOOR, HARDWARE
D	3'-0"	6'-6"	NON-RATED	CLOSET	H2	SLIDING BARN DOOR, HARDWARE
E	2'-6"	6'-6"	NON-RATED	CLOSET	H4	SLIDING BARN DOOR, HARDWARE
F	2'-6"	6'-6"	NON-RATED	CLOSET	H4	SLIDING BARN DOOR, HARDWARE
G	2'-6"	6'-6"	NON-RATED	CLOSET	H5	SLIDING BARN DOOR, HARDWARE
H	2'-6"	6'-6"	NON-RATED	STORAGE	H5	SLIDING BARN DOOR, HARDWARE
I	2'-6"	6'-6"	10 MIN.	RECYCLING RM	H5	SLIDING BARN DOOR, HARDWARE
J	2'-6"	6'-6"	42 MIN.	WATER ENTRY RM	H3	SLIDING BARN DOOR, HARDWARE

HARDWARE SCHEDULE: BRACH LEVER HARDWARE

- DOOR & HARDWARE NOTES:**
- SEE FLOOR PLAN FOR DOOR SWING DIRECTION AND HINGE SIDE.
 - ALL DOORS WITH THE HANDLE OF EXCESS DIMENSION THE DIRECTION OF TRAVEL.
 - THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT ABOVE FINISHED FLOOR. RAISED THRESHOLDS GREATER THAN 1/4" SHALL BE BUILT GRADING. BOTH FINISHES OF THE DOOR TO OPERATE.
 - DOOR HANDLES, PUSH LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOOR REQUIRED TO BE ACCESSIBLE. SHALL NOT REQUIRE TIGHT GRABBING. BOTH FINISHES OF THE DOOR TO OPERATE.
 - HARDWARE TO BE INSTALLED BETWEEN 34" AND 48" HEIGHT.
 - DOOR LOCKS ARE NOT REQUIRED EXCEPT ON COMMERCIAL DWELLING UNITS.
 - NO FINISH HARDWARE IS REQUIRED. OCCUPANT LOAD SHALL NOT EXCEED 50.
 - GLASS DOOR SHALL BE OPERABLE FROM EITHER SIDE WITHOUT THE USE OF A KEY.

* See door type callouts for design of doors

- DOOR HARDWARE TYPES:**
- H1 - Solid Core handle with Entry Lockset (FD)
 - H2 - Handle, Conceal Lever with Modern Rectangular Rosette, Finish Solid Nickel
 - H3 - HD
 - H4 - Handle with 10" ball knurled knob door as a cut-in knob or concealed knob
 - H5 - HD

FINISH SCHEDULE:

ROOM	FLOOR	WALLS	BASE	CEILING	NOTES
BASEMENT	CONCRETE	FIBERED DRYWALL	PAINTED WOOD	FIBERED DRYWALL	
LOBBY	CONCRETE	FIBERED DRYWALL		FIBERED DRYWALL	
CONCOR	CONCRETE	FIBERED DRYWALL		FIBERED DRYWALL	
STAR	CONCRETE	FIBERED DRYWALL		FIBERED DRYWALL	
RETAIL	CONCRETE	FIBERED DRYWALL		FIBERED DRYWALL	
TOILETS	CONCRETE	4-A.F.F. WITH DRYWALL ABOVE		FIBERED DRYWALL	
RESIDENTIAL UNITS					
LIVING	CONCRETE	FIBERED DRYWALL	4" TILE	FIBERED DRYWALL	
BATHROOM	CONCRETE, SEALED	FIBERED DRYWALL	4" TILE	FIBERED DRYWALL	
CLOSET	CONCRETE	FIBERED DRYWALL		FIBERED DRYWALL	

- GENERAL NOTES:**
- FINISH THROUGHOUT THE BUILDING TO BE 1/2" PAINT GRAY WOOD-FINISHED
 - A SMOOTH, HARD, NON-ABSORBENT SURFACE MATERIAL IS REQUIRED AT FLOOR SURFACES IN TOILET BATHING AND BROWNE ROOMS WITH A MINIMUM BASE TO FINISH 2" MINUS 1/4" OF THE WALL.
 - FOR COMMON AREAS, A SMOOTH, HARD, NON-ABSORBENT MATERIAL IS REQUIRED MINIMUM 3 FEET OF SERVICE (FINISH) UNLESS WATER CLOSET AND NON-FRUITIVE TOILET ROOMS FROM THE FLOOR TO MIN. 4' ABOVE FINISHED FLOOR.

Steel/Iron Metallic

Penetrating Item and Diameter	Flam. Resist.	Penetration Method	Framing Material	Annular Space		Rating	UL System Reference	Reference
				Minimum	Maximum			
Steel or iron pipe 1/2"	OW	1/2" Type A	Form backer	1/2"	1/2"	1	F-1500	SA727
Steel or iron pipe 3/4"	OW	1/2" Type A	Form backer	3/4"	3/4"	1	F-1500	SA727
Steel or iron pipe 1"	OW	1/2" Type A	Form backer	1"	1"	1	F-1500	SA727
Steel or iron pipe 1 1/4"	OW	1/2" Type A	Form backer	1 1/4"	1 1/4"	1	F-1500	SA727
Steel or iron pipe 1 1/2"	OW	1/2" Type A	Form backer	1 1/2"	1 1/2"	1	F-1500	SA727
Steel or iron pipe 2"	OW	1/2" Type A	Form backer	2"	2"	1	F-1500	SA727
Steel or iron pipe 2 1/2"	OW	1/2" Type A	Form backer	2 1/2"	2 1/2"	1	F-1500	SA727
Steel or iron pipe 3"	OW	1/2" Type A	Form backer	3"	3"	1	F-1500	SA727
Steel or iron pipe 3 1/2"	OW	1/2" Type A	Form backer	3 1/2"	3 1/2"	1	F-1500	SA727
Steel or iron pipe 4"	OW	1/2" Type A	Form backer	4"	4"	1	F-1500	SA727
Steel or iron pipe 4 1/2"	OW	1/2" Type A	Form backer	4 1/2"	4 1/2"	1	F-1500	SA727
Steel or iron pipe 5"	OW	1/2" Type A	Form backer	5"	5"	1	F-1500	SA727
Steel or iron pipe 5 1/2"	OW	1/2" Type A	Form backer	5 1/2"	5 1/2"	1	F-1500	SA727
Steel or iron pipe 6"	OW	1/2" Type A	Form backer	6"	6"	1	F-1500	SA727
Steel or iron pipe 6 1/2"	OW	1/2" Type A	Form backer	6 1/2"	6 1/2"	1	F-1500	SA727
Steel or iron pipe 7"	OW	1/2" Type A	Form backer	7"	7"	1	F-1500	SA727
Steel or iron pipe 7 1/2"	OW	1/2" Type A	Form backer	7 1/2"	7 1/2"	1	F-1500	SA727
Steel or iron pipe 8"	OW	1/2" Type A	Form backer	8"	8"	1	F-1500	SA727
Steel or iron pipe 8 1/2"	OW	1/2" Type A	Form backer	8 1/2"	8 1/2"	1	F-1500	SA727
Steel or iron pipe 9"	OW	1/2" Type A	Form backer	9"	9"	1	F-1500	SA727
Steel or iron pipe 9 1/2"	OW	1/2" Type A	Form backer	9 1/2"	9 1/2"	1	F-1500	SA727
Steel or iron pipe 10"	OW	1/2" Type A	Form backer	10"	10"	1	F-1500	SA727

Conduit

Penetrating Item and Diameter	Flam. Resist.	Penetration Method	Framing Material	Annular Space		Rating	UL System Reference	Reference
				Minimum	Maximum			
Nonmetallic 1/2"	OW	1/2" Type A	Form backer	1/2"	1/2"	1	F-1500	SA727
Nonmetallic 3/4"	OW	1/2" Type A	Form backer	3/4"	3/4"	1	F-1500	SA727
Nonmetallic 1"	OW	1/2" Type A	Form backer	1"	1"	1	F-1500	SA727
Nonmetallic 1 1/4"	OW	1/2" Type A	Form backer	1 1/4"	1 1/4"	1	F-1500	SA727
Nonmetallic 1 1/2"	OW	1/2" Type A	Form backer	1 1/2"	1 1/2"	1	F-1500	SA727
Nonmetallic 2"	OW	1/2" Type A	Form backer	2"	2"	1	F-1500	SA727
Nonmetallic 2 1/2"	OW	1/2" Type A	Form backer	2 1/2"	2 1/2"	1	F-1500	SA727
Nonmetallic 3"	OW	1/2" Type A	Form backer	3"	3"	1	F-1500	SA727
Nonmetallic 3 1/2"	OW	1/2" Type A	Form backer	3 1/2"	3 1/2"	1	F-1500	SA727
Nonmetallic 4"	OW	1/2" Type A	Form backer	4"	4"	1	F-1500	SA727
Nonmetallic 4 1/2"	OW	1/2" Type A	Form backer	4 1/2"	4 1/2"	1	F-1500	SA727
Nonmetallic 5"	OW	1/2" Type A	Form backer	5"	5"	1	F-1500	SA727
Nonmetallic 5 1/2"	OW	1/2" Type A	Form backer	5 1/2"	5 1/2"	1	F-1500	SA727
Nonmetallic 6"	OW	1/2" Type A	Form backer	6"	6"	1	F-1500	SA727
Nonmetallic 6 1/2"	OW	1/2" Type A	Form backer	6 1/2"	6 1/2"	1	F-1500	SA727
Nonmetallic 7"	OW	1/2" Type A	Form backer	7"	7"	1	F-1500	SA727
Nonmetallic 7 1/2"	OW	1/2" Type A	Form backer	7 1/2"	7 1/2"	1	F-1500	SA727
Nonmetallic 8"	OW	1/2" Type A	Form backer	8"	8"	1	F-1500	SA727
Nonmetallic 8 1/2"	OW	1/2" Type A	Form backer	8 1/2"	8 1/2"	1	F-1500	SA727
Nonmetallic 9"	OW	1/2" Type A	Form backer	9"	9"	1	F-1500	SA727
Nonmetallic 9 1/2"	OW	1/2" Type A	Form backer	9 1/2"	9 1/2"	1	F-1500	SA727
Nonmetallic 10"	OW	1/2" Type A	Form backer	10"	10"	1	F-1500	SA727

Copper

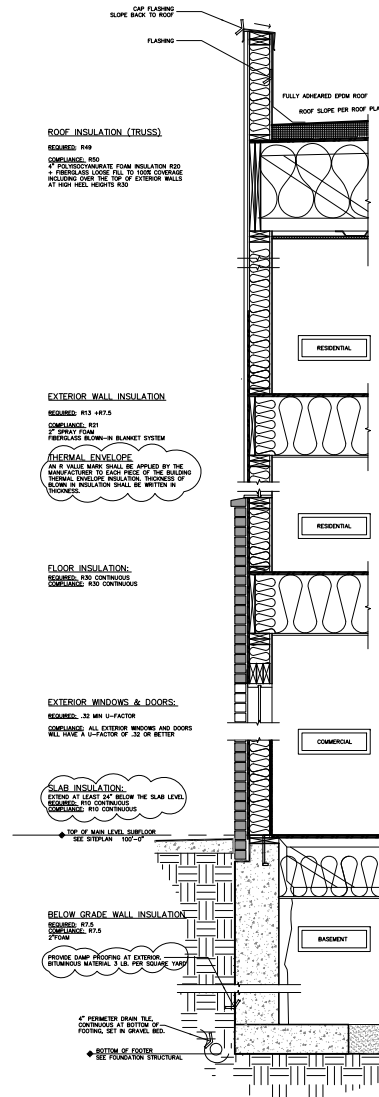
Penetrating Item and Diameter	Flam. Resist.	Penetration Method	Framing Material	Annular Space		Rating	UL System Reference	Reference
				Minimum	Maximum			
Pipe 1/2"	OW	1/2" Type A	Form backer	1/2"	1/2"	1	F-1500	SA727
Pipe 3/4"	OW	1/2" Type A	Form backer	3/4"	3/4"	1	F-1500	SA727
Pipe 1"	OW	1/2" Type A	Form backer	1"	1"	1	F-1500	SA727
Pipe 1 1/4"	OW	1/2" Type A	Form backer	1 1/4"	1 1/4"	1	F-1500	SA727
Pipe 1 1/2"	OW	1/2" Type A	Form backer	1 1/2"	1 1/2"	1	F-1500	SA727
Pipe 2"	OW	1/2" Type A	Form backer	2"	2"	1	F-1500	SA727
Pipe 2 1/2"	OW	1/2" Type A	Form backer	2 1/2"	2 1/2"	1	F-1500	SA727
Pipe 3"	OW	1/2" Type A	Form backer	3"	3"	1	F-1500	SA727
Pipe 3 1/2"	OW	1/2" Type A	Form backer	3 1/2"	3 1/2"	1	F-1500	SA727
Pipe 4"	OW	1/2" Type A	Form backer	4"	4"	1	F-1500	SA727
Pipe 4 1/2"	OW	1/2" Type A	Form backer	4 1/2"	4 1/2"	1	F-1500	SA727
Pipe 5"	OW	1/2" Type A	Form backer	5"	5"	1	F-1500	SA727
Pipe 5 1/2"	OW	1/2" Type A	Form backer	5 1/2"	5 1/2"	1	F-1500	SA727
Pipe 6"	OW	1/2" Type A	Form backer	6"	6"	1	F-1500	SA727
Pipe 6 1/2"	OW	1/2" Type A	Form backer	6 1/2"	6 1/2"	1	F-1500	SA727
Pipe 7"	OW	1/2" Type A	Form backer	7"	7"	1	F-1500	SA727
Pipe 7 1/2"	OW	1/2" Type A	Form backer	7 1/2"	7 1/2"	1	F-1500	SA727
Pipe 8"	OW	1/2" Type A	Form backer	8"	8"	1	F-1500	SA727
Pipe 8 1/2"	OW	1/2" Type A	Form backer	8 1/2"	8 1/2"	1	F-1500	SA727
Pipe 9"	OW	1/2" Type A	Form backer	9"	9"	1	F-1500	SA727
Pipe 9 1/2"	OW	1/2" Type A	Form backer	9 1/2"	9 1/2"	1	F-1500	SA727
Pipe 10"	OW	1/2" Type A	Form backer	10"	10"	1	F-1500	SA727

Cables

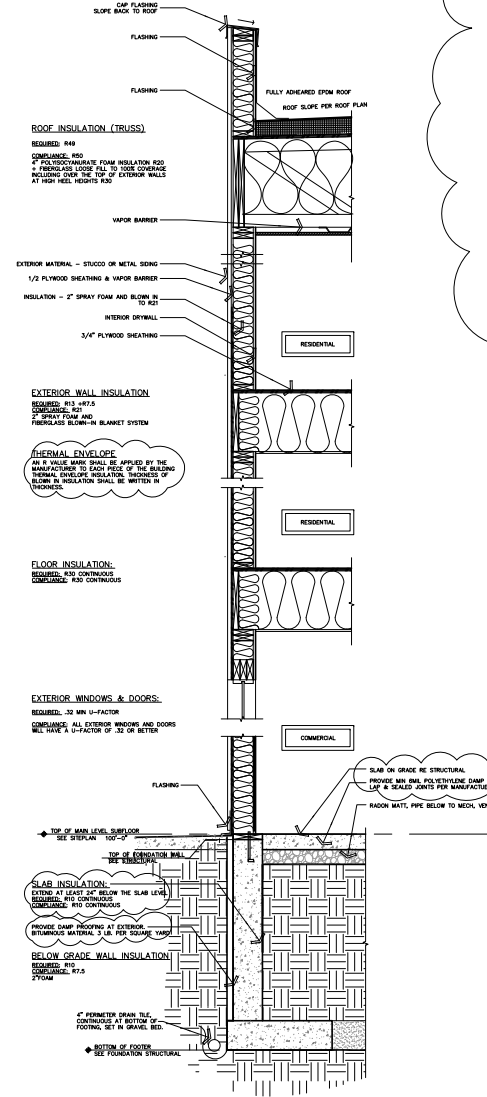
Penetrating Item and Diameter	Flam. Resist.	Penetration Method	Framing Material	Annular Space		Rating	UL System Reference	Reference
				Minimum	Maximum			
Cable 1/2"	OW	1/2" Type A	Form backer	1/2"	1/2"	1	F-1500	SA727
Cable 3/4"	OW	1/2" Type A	Form backer	3/4"	3/4"	1	F-1500	SA727
Cable 1"	OW	1/2" Type A	Form backer	1"	1"	1	F-1500	SA727
Cable 1 1/4"	OW	1/2" Type A	Form backer	1 1/4"	1 1/4"	1	F-1500	SA727
Cable 1 1/2"	OW	1/2" Type A	Form backer	1 1/2"	1 1/2"	1	F-1500	SA727
Cable 2"	OW	1/2" Type A	Form backer	2"	2"	1	F-1500	SA727
Cable 2 1/2"	OW	1/2" Type A	Form backer	2 1/2"	2 1/2"	1	F-1500	SA727
Cable 3"	OW	1/2" Type A	Form backer	3"	3"	1	F-1500	SA727
Cable 3 1/2"	OW	1/2" Type A	Form backer	3 1/2"	3 1/2"	1	F-1500	SA727
Cable 4"	OW	1/2" Type A	Form backer	4"	4"	1	F-1500	SA727
Cable 4 1/2"	OW	1/2" Type A	Form backer	4 1/2"	4 1/2"	1	F-1500	SA727
Cable 5"	OW	1/2" Type A	Form backer	5"	5"	1	F-1500	SA727
Cable 5 1/2"	OW	1/2" Type A	Form backer	5 1/2"	5 1/2"	1	F-1500	SA727
Cable 6"	OW	1/2" Type A	Form backer	6"	6"	1	F-1500	SA727
Cable 6 1/2"	OW	1/2" Type A	Form backer	6 1/2"	6 1/2"	1	F-1500	SA727
Cable 7"	OW	1/2" Type A	Form backer	7"	7"	1	F-1500	SA727
Cable 7 1/2"	OW	1/2" Type A	Form backer	7 1/2"	7 1/2"	1	F-1500	SA727
Cable 8"	OW	1/2" Type A	Form backer	8"	8"	1	F-1500	SA727
Cable 8 1/2"	OW	1/2" Type A	Form backer	8 1/2"	8 1/2"	1	F-1500	SA727
Cable 9"	OW	1/2" Type A	Form backer	9"	9"	1	F-1500	SA727
Cable 9 1/2"	OW	1/2" Type A	Form backer	9 1/2"	9 1/2"	1	F-1500	SA727
Cable 10"	OW	1/2" Type A	Form backer	10"	10"	1	F-1500	SA727

Air Ducts

Penetrating Item and Diameter	Flam. Resist.	Penetration Method	Framing Material	Annular Space		Rating	UL System Reference	Reference
				Minimum	Maximum			
Steel duct, non-insul. 1/2"	OW	1/2" Type A	Form backer	1/2"	1/2"	1	F-1500	SA727
Steel duct, non-insul. 3/4"	OW	1/2" Type A	Form backer	3/4"	3/4"	1	F-1500	SA727
Steel duct, non-insul. 1"	OW	1/2" Type A	Form backer	1"	1"	1	F-1500	SA727
Steel duct, non-insul. 1 1/4"	OW	1/2" Type A	Form backer	1 1/4"	1 1/4"	1	F-1500	SA727
Steel duct, non-insul. 1 1/2"	OW	1/2" Type A	Form backer	1 1/2"	1 1/2"	1	F-1500	SA727
Steel duct, non-insul. 2"	OW	1/2" Type A	Form backer	2"	2"	1	F-1500	SA727
Steel duct, non-insul. 2 1/2"	OW	1/2" Type A	Form backer	2 1/2"				



WALL SECTION
SCALE: 3/4" = 1'-0"



WALL SECTION
SCALE: 3/4" = 1'-0"

- WALL SECTION NOTES:**
1. MINIMUM ROOF COVERING CLASSIFICATION FOR TYPE VA CONSTRUCTION TYPE B IS CLASS B ROOF ASSEMBLY AND SHALL BE TESTED AS BY THE APPROVED TESTING AGENCY.
 2. THE ROOF FIRE CLASSIFICATION SHALL BE TESTED IN ACCORDANCE WITH ASTM TM 108 OR UL 790.
 3. THERMOSET SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE MIN OF NOT SLOPE OF 1/4" PER FOOT; 2% SLOPE FOR DRAINAGE.
 4. THERMOSET SINGLE-PLY ROOF COVERINGS SHALL COMPLY WITH ASTM D4627, ASTM D3071 OR CSBR 370-2010W.
 5. THERMAL INSULATION (R-VALUE) OF INSULATION SHALL BE DETERMINED IN ACCORDANCE WITH THE US FEDERAL TRADE COMMISSION R-VALUE RULE IN UNITS OF RFT. F510 AT MEAN TEMP OF 75 F (24 C).
 6. AN R-VALUE IDENTIFICATION MARK SHALL BE APPLIED BY THE MANUFACTURER TO EACH PIECE OF THERMAL BUILDING DEVELOPE INSULATION 1/2" OR GREATER IN WIDTH. FOR SPRAED POLYURETHANE FOAM INSULATION, THE INSTALLED THICKNESS OF AREAS COVERED AND R VALUE OF INSTALLED THICKNESS SHALL BE LETED ON THE CERTIFICATION. FOR INSULATED SIDING THE THICKNESS SHALL BE LABELLED ON THE PRODUCTS PACKAGE AND SHALL BE LETED ON THE CERTIFICATION IN A CONSPICUOUS LOCATION IN THE GOVY SITE.
 7. THE THICKNESS OF BLOWN IN OR SPRAED ROOF CEILING INSULATION SHALL BE WRITTEN IN INCHES ON LABELS THAT ARE INSTALLED AT LEAST ONE FOR EVERY 300 SF THROUGHOUT THE ATTIC SPACE.
 8. ALL BUILDING INSULATION (EXPOSED AND CONCEALED) IS REQUIRED FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450. RE INDOURAL OR EQUIVALENT BID.

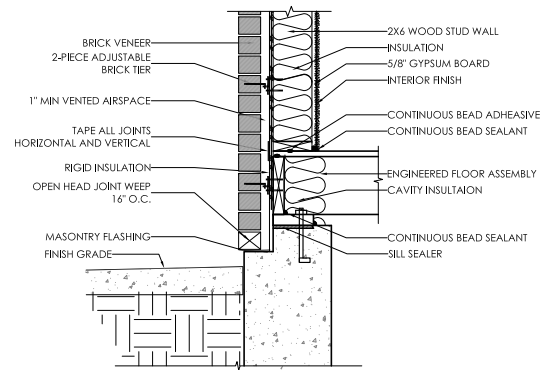
Maggie T. Fitzgerald, AIA
— architect —
P.O. Box 1329, Eagle, Colorado 81631
970.625.0685



BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

ISSUE:	DATE:
PROGRESS SET	DEC. 23, 2019
SCHEMATIC DESIGN	JAN. 01, 2020
DESIGN DEVELOPMENT SET	FEB. 14, 2020
PROGRESS SET	FEB. 24, 2020
PERMIT SET	MAY 1, 2020
RESPONSE TO COMMENTS	JUNE 20, 2020

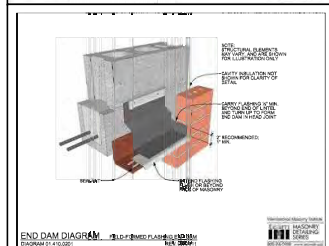
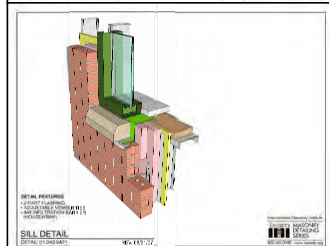
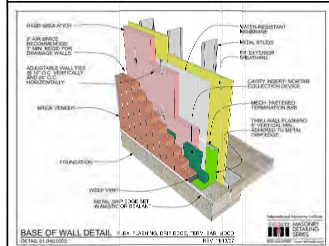
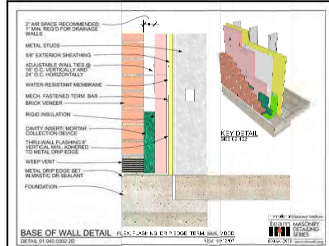
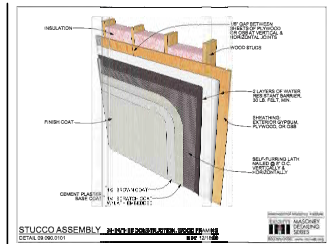
A4.4
WALL SECTIONS AND DETAILS



MASONRY DETAILS

2
A5.2

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



MASONRY DETAILS

1
A5.2

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

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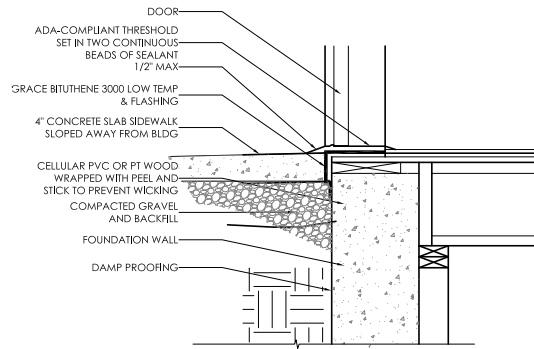
BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

ISSUE:	DATE:
PROGRESS SET	DEC. 23, 2019
SCHEMATIC DESIGN	JAN. 07, 2020
DESIGN DEVELOPMENT SET	FEB. 14, 2020
PROGRESS SET	FEB. 24, 2020
PERMIT SET	MAY 1, 2020
RESPONSE TO COMMENTS	JUNE 15, 2020

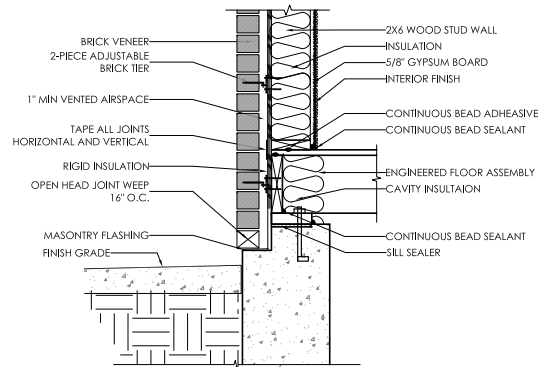
A5.2
DETAILS



Issue:	date:
DESIGN DEVELOPMENT SET	FEB. 14, 2020
PROGRESS SET	FEB. 24, 2020
PERMIT SET	MAY 1, 2020
RESPONSE TO COMMENTS	JUNE 20, 2020
REVIEW SET	SEPT. 23, 2020
CONSTRUCTION SET	SEPT. 23, 2020



3
THRESHOLD DETAIL
 AS.2 SCALE: 1 1/2" = 1'-0"



2
MASONRY DETAILS
 AS.2 SCALE: 1 1/2" = 1'-0"

1
MASONRY DETAILS
 AS.2 SCALE: 1 1/2" = 1'-0"

GENERAL

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO SHORING, BRACING, SLOPE STABILITY AND TEMPORARY EXCAVATION. THE CONTRACTOR AT HIS DISCRETION SHALL EMPLOY A LICENSED PROFESSIONAL TO DESIGN TEMPORARY SYSTEMS.
- THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THIS RESPONSIBILITY SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ALL APPLICABLE JOB RELATED SAFETY STANDARDS SUCH AS OSHA SHALL BE FOLLOWED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH WORK. VARIATIONS BETWEEN THE PLANS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

DESIGN CRITERIA

- GOVERNING BUILDING CODE: INTERNATIONAL CODE COUNCIL (ICC) "INTERNATIONAL BUILDING CODE 2015"
- REFERENCE CODES:
 - A. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318
 - B. AMERICAN INSTITUTE FOR STEEL CONSTRUCTION (AISC) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC 360 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AISC 305
 - C. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", ASCE 7
 - D. AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE" AWS D1.1
 - E. AMERICAN WOOD COUNCIL "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", NDS
- LOADS
 - A. FLOOR DEAD LOADS 2nd / 3rd LEVEL.....36 psf
 - FLOOR DEAD LOADS 1st LEVEL.....20 psf
 - FLOOR LIVE LOADS RESIDENTIAL.....40 psf
 - FLOOR LIVE LOADS COMMERCIAL.....100 psf
 - FLOOR LIVE LOADS OFFICE.....50 psf
 - FLOOR LIVE LOADS CORRIDORS.....100 psf
 - B. GROUND SNOW LOAD.....65 psf
 - ROOF SNOW LOAD.....45 psf
 - ROOF DEAD LOADS.....20 psf
 - ROOF DEAD LOADS @ RTU'S.....40 psf
 - SNOW EXPOSURE FACTOR Ce.....1.0
 - SNOW LOAD IMPORTANCE FACTOR Is.....1.0
 - THERMAL FACTOR.....1.0
 - SNOW DRIFT WIDTH.....12.0 ft.
 - C. WIND LOADS
 - ULTIMATE WIND SPEED, Vuult.....115 mph
 - NOMINAL WIND SPEED, Vnom.....30 mph
 - WIND EXPOSURE CATEGORY.....B
 - TOPOGRAPHIC FACTOR, Kt.....1.0
 - IMPORTANCE FACTOR.....1.0
 - INTERNAL PRESSURE COEFFICIENT.....+/- 0.18
 - DESIGN PRESSURE EXTERIOR COMPONENTS & CLADDING.....44 psf
 - RISK CATEGORY.....II
 - D. SEISMIC LOADS
 - OCCUPANCY CATEGORY.....D
 - SITE CLASS.....0
 - SEISMIC DESIGN CATEGORY.....C
 - Sds.....0.305
 - SD1.....0.125
 - IMPORTANCE FACTOR.....1.0
 - SI.....0.0178
 - Ss.....0.292
 - SEISMIC RESISTING SYSTEM.....LIGHT FRAMED WOOD SHEARWALL
 - DESIGN BASE SHEAR.....103 kips
 - SEISMIC RESPONSE COEFFICIENT CS.....0.122
 - RESPONSE MODIFICATION FACTOR, R.....2 1/2
 - ANALYSIS PROCEDURE.....EQUIVALENT LATERAL FORCE
 - E. MISCELLANEOUS LOADS
 - HANDRAILS AND GUARDS.....200 lb CONCENTRATED LOAD
 - INTERMEDIATE RAILS.....50 pif DISTRIBUTED LOAD
 - GRAB BARS, SHOWER SEATS, DRESSING ROOM BENCH SEATS.....250 lb CONCENTRATED LOAD

INSPECTIONS

- SPECIAL INSPECTIONS SHALL BE MADE IN ACCORDANCE WITH IBC 2015 SECTION 1704. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING SPECIAL INSPECTIONS IN A TIMELY MANNER. SPECIAL INSPECTORS MUST BE RECOGNIZED AND APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER TO RESOLVE ANY DISCREPANCIES.
- STRUCTURAL OBSERVATIONS MAY BE PERFORMED BY THE ENGINEER. A REPORT WILL BE ISSUED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. STRUCTURAL OBSERVATIONS ARE NOT A SUBSTITUTE FOR SPECIAL INSPECTIONS. OBSERVATIONS WILL BE MADE TO DETERMINE GENERAL CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND DOES NOT RELIEVE THE CONTRACTOR FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

SOILS & FOUNDATIONS

- REFERENCE GEOTECHNICAL REPORT BY KUMAR & ASSOCIATES, INC. REPORT NO. 19-7-678 DATED 12-16-19. ALLOWABLE BEARING PRESSURE3500 psf on UNDISTURBED 2500 psf on STRUCT. FILL
- THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT AND SHALL FOLLOW ALL RECOMMENDATIONS PROVIDED THEREIN.
- THE GEOTECHNICAL ENGINEER SHALL INSPECT ALL EXCAVATIONS AND FILL PLACEMENT TO ENSURE CONFORMANCE WITH THE SPECIFICATIONS. ASSUMED VALUES SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER OR THE BUILDING OFFICIAL PRIOR TO PLACING CONCRETE.
- FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE FROM LOOSE DEBRIS, STANDING WATER, OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.
- FOUNDATIONS SHALL BEAR ON UNDISTURBED GRANULAR SOIL OR STRUCTURAL FILL PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

CONCRETE

- CONCRETE SHALL BE DESIGNED, SUPPLIED AND CONSTRUCTED IN ACCORDANCE WITH ACI 318 LATEST EDITION.
- CONCRETE STRENGTH fc @ 28 DAYS SHALL CONFORM TO THE FOLLOWING:
 - FOOTINGS, WALLSfc = 3000 psi
 - FLATWORK, SLABSfc = 4000 psi
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 TYPE I/II.
- WATER FOR MIXING CONCRETE SHALL CONFORM TO ASTM C1602.
- COURSE AND FINE AGGREGATE SHALL CONFORM TO ASTM C-33.
- SLUMP SHALL CONFORM TO ACI 301 AND SHALL BE TAKEN AT THE POINT OF PLACEMENT. SLUMP SHALL NOT EXCEED 4 INCHES.
- FLYASH SHALL CONFORM TO ASTM C618 CLASS C OR F. FLYASH SHALL NOT EXCEED 20% OF THE TOTAL CEMENTITIOUS MATERIAL.
- HOT WEATHER PLACEMENT SHALL CONFORM TO ACI 305, "SPECIFICATION FOR HOT WEATHER CONCRETING". COLD WEATHER PLACEMENT SHALL CONFORM TO ACI 306, "GUIDE TO COLD WEATHER CONCRETING".
- ADMIXTURES FOR WATER REDUCTION AND SETTING TIME MODIFICATION SHALL BE IN CONFORMANCE WITH ASTM C494.
- ADMIXTURES FOR USE IN FLOWING CONCRETE SHALL CONFORM TO ASTM C1017.
- ADMIXTURES SHALL NOT CONTAIN CALCIUM CHLORIDE. CONCRETE SHALL NOT BE PLACED IN CONTACT WITH ALUMINUM.
- AIR ENTRAINMENT SHALL BE 4.0 - 7.0% AIR ENTRAINMENT ADMIXTURES SHALL CONFORM TO ASTM C260.
- W/C RATIO SHALL NOT EXCEED 0.45
- HEADED STUDS AND HEADED STUD ASSEMBLIES SHALL CONFORM TO ASTM A1044.
- HIGH STRENGTH NO SHRINK GROUT SHALL BE MASTERBUILDERS 928 OR APPROVED EQUAL.
- ADHESIVE FOR DRILL & EPOXY ANCHORS SHALL BE HIT RE500 AS MFG. BY HILTI INC. OR APPROVED EQUAL.

SUBMITTALS

- SUBMITTALS OF SHOP DRAWINGS WILL TESTS, AND PRODUCT DATA SHALL BE MADE PRIOR TO CONSTRUCTION. SUBMITTAL SHALL BE MADE IN DUE TIME TO ALLOW FOR A TEN (10) WORKING DAY TURNAROUND.
- SHOP DRAWING REVIEW BY THE ENGINEER IS FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS ONLY. DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER AND SHALL BE VERIFIED BY THE CONTRACTOR. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. WHERE SHOP DRAWINGS DIFFER FROM OR ADD TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, THE ENGINEER SHALL REVIEW AND MAKE REQUIRED REVISIONS.
- DEFERRED SUBMITTALS OR ITEMS DESIGNED BY OTHERS SHALL INCLUDE CALCULATIONS, SHOP DRAWINGS AND PRODUCT DATA AND SHALL BE SUBMITTED PRIOR TO CONSTRUCTION. REVIEW OF DEFERRED SUBMITTALS BY THE ENGINEER DOES NOT RELIEVE CONTRACTOR OR DESIGNER FOR COMPLIANCE WITH THE DESIGN CRITERIA AND COMPATIBILITY WITH THE PRIMARY STRUCTURE. DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO:
 - PREFABRICATED WOOD TRUSSES
 - OPEN WEB STEEL JOISTS



STRUCTURAL STEEL

- STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION.
- MATERIALS:
 - A. WIDE FLANGE SHAPESASTM A992 GRADE 50
 - B. PLATES, ANGLES, CHANNELSASTM A36
 - C. HOLLOW STRUCTURAL SECTIONS (HSS)ASTM A500, GRADE B
 - D. PIPEASTM A53 GRADE B
 - E. HIGH STRENGTH BOLTSASTM A325-X
 - F. MACHINE BOLTSASTM A307
 - F. WELDING ELECTRODESAWS D1.1 (E70XX)
 - G. ANCHOR BOLTSASTM F1554 GRADE 36
- CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC 360. ALL BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF 2 BOLTS. MINIMUM BOLT SIZE SHALL BE 3/4" UNO. MINIMUM WELD SIZE SHALL CONFORM TO AISC 360. HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION PER ASTM A325 UNO.
- ANCHOR BOLTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
- STRUCTURAL STEEL SHALL BE CLEANED TO MEET THE REQUIREMENTS OF SSPC-SP2. STRUCTURAL STEEL SHALL BE COATED WITH SHOP COAT RED OXIDE PRIMER.
- HOLES, NOTCHES, AND CUTS SHALL NOT BE MADE IN STRUCTURAL STEEL MEMBERS WITHOUT ENGINEER'S APPROVAL.

REINFORCING STEEL

- FABRICATION AND PLACEMENT OF REINFORCING BARS SHALL CONFORM TO; ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE" ACI SP-66 "ACI DETAILING MANUAL".
- REINFORCING BARS SHALL BE DEFORMED AND IN ACCORDANCE WITH ASTM A615 GRADE 60.
- WELDING OF REINFORCING BARS IS PROHIBITED WITHOUT PRIOR APPROVAL. WELDED BARS SHALL CONFORM TO ASTM A706 GRADE 60. WELDING SHALL CONFORM TO AWS D1.4
- CONCRETE COVER SHALL BE AS FOLLOWS:
 - CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH3"
 - EXPOSED TO EARTH OR WEATHER
 - #5 BAR OR SMALLER1 1/2"
 - #6 BAR AND LARGER2"
 - NOT EXPOSED TO EARTH
 - SLABS WALLS AND JOISTS
 - #14 AND #18 BARS1 1/2"
 - #11 BARS AND SMALLER3/4"
 - BEAMS AND COLUMNS
 - PRIMARY REINFORCEMENT, TIES, STRIPPS AND SPIRALS1 1/2"
- REINFORCING BARS #5 AND SMALLER SHALL BE BENT COLD ONE TIME ONLY. ALL OTHER BARS REQUIRE PREHEAT.
- LAP SPLICES SHALL BE CLASS "B" AND SHALL BE STAGGERED. SPLICES SHALL BE PROVIDED AS REQUIRED PER THE FOLLOWING TABLE:

BAR SIZE	REINFORCING SPLICE LENGTHS	
	SPLICE LENGTH (in.) VERTICALS & BOTTOM BARS	SPLICE LENGTH (in.) TOP BARS
#3	20"	24"
#4	24"	30"
#5	30"	39"
#6	35"	46"
#7	63"	82"
#8	72"	94"
#9	81"	106"
#10	89"	116"
#11	98"	128"

* TOP BARS = HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN MEMBER BELOW THE SPLICE.

MASONRY

- MASONRY DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 502.
- MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS SHALL BE 2800 psi BASED ON THE NET AREA OF THE UNIT. SPECIFIED DESIGN COMPRESSIVE STRENGTH fm = 2000 psi. ALL UNITS FOR LOAD BEARING WALLS, SHEAR WALLS, AND EXTERIOR WALLS SHALL BE NORMAL WEIGHT.
- MORTAR SHALL BE TYPE S. NO MORTAR SHALL BE USED FOR GROUTING CORES OR FILLING BOND BEAMS.
- MINIMUM COMPRESSIVE STRENGTH OF GROUT SHALL BE 3000 psi. SLUMP SHALL BE 8" +/- 1".
- CMU BLOCK SHALL BE LAID IN A RUNNING BOND PATTERN.
- CONTROL JOINTS SHALL BE SPACED AT 30'-0" o.c. MAX. REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS.
- PROVIDE HORIZONTAL LADDER REINFORCEMENT AT 16" o.c.

WOOD

- WOOD CONSTRUCTION SHALL CONFORM WITH THE FOLLOWING REFERENCE STANDARDS:
 - A. NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION"
 - B. ANS / TP 1 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"
 - C. TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES"
- MATERIALS:
 - A. SAWN LUMBER
 - 2x STUDSDOUG-FIR No. 2
 - SILL PLATESPT DOUG-FIR No. 2
 - JOISTS, RAFTERSDOUG-FIR No. 2
 - POSTS & BEAMSDOUG-FIR No. 1
 - B. ROUGH SAWN LUMBER (U.N.O.)
 - 8x AND SMALLERDOUG-FIR No. 1
 - 10x AND LARGERDOUG-FIR No. 2
 - C. LAMINATED VENEER LUMBER (LVL)
 - Fb = 2800 psi
 - Fv = 285 psi
 - E = 1,900,000 psi
 - D. GLUE LAMINATED BEAMS (GLB) SHALL BE 24-V4 FOR SIMPLE SPANS AND 24-V8 FOR CANTILEVERED SPANS.
 - Fb = 2400 psi
 - Fv = 210 psi
 - E = 1,700,000 psi
 - E. LAMINATED STRAND LUMBER (LSL)
 - Fb = 1700 psi
 - Fv = 150 psi
 - E = 1,300,000 psi
- ALL SAWN LUMBER AND ENGINEERED LUMBER SHALL BE IDENTIFIED BY A GRADE MARK ISSUED BY WMPA, WCLB OR NLGA.
- NAILS SHALL BE COMMON NAILS. DESIGN IS BASED ON THE FOLLOWING SIZES:

SIZE	DIAMETER	LENGTH
8d	0.131"	2 1/2"
10d	0.148"	3"
12d	0.150"	3"
16d	0.162"	3 1/2"
20d	0.192"	4"

- BOLTS FOR WOOD CONNECTIONS SHALL BE IN ACCORDANCE WITH ASTM A307. GRADE A LAG SCREWS SHALL BE IN ACCORDANCE WITH ASTM A307 GRADE A.
- CONNECTION HARDWARE SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE OR APPROVED EQUAL.
- SHEATHING SHALL CONFORM TO STANDARDS PS-1 AND PS-2 AND SHALL BEAR THE STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA). SHEATHING MAY BE PLYWOOD OR OSB FOR WALLS AND ROOFING. FLOOR SHEATHING SHALL BE TONGUE & GROOVE PLYWOOD STURDI-FLOOR.

USE	THICKNESS	SPAN RATING	GRADE	EXPOSURE
ROOF	19/32"	32/16	C-D	1
FLOOR	23/32" T&G	48/24	STURDI-FLOOR	1
WALLS	15/32"	32/16	C-D	1

- ALL WOOD PRODUCTS SHALL BE KILN DRIED WITH A MAXIMUM MOISTURE CONTENT OF 19%. MOISTURE CONTENT SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D4442.
- PROVIDE DOUBLE JOISTS UNDER STUD WALLS UNO.
- CONTINUOUS INSULATION SHEATHING IF NOTED SHALL BE HUBER ZIP PANEL SYSTEM OR APPROVED EQUAL. ZIP PANELS REQUIRE 0.148" MIN. NAILS THAT WILL PENETRATE A MINIMUM OF 1 1/2" INTO STUDS.
- PROTECTION AGAINST DECAIM AND TERMITES SHALL BE PROVIDED BY NATURALLY DURABLE WOOD OR PRESERVATIVE-TREATED WOOD IN ACCORDANCE WITH IBC 2304.12. PRESERVATIVE-TREATED WOOD USING WATER BORN PRESERVATIVES SHALL BE IN ACCORDANCE WITH AWPA U1 FOR ABOVE GROUND USE. PROTECTION SHALL APPLY TO THE FOLLOWING:
 - A. JOISTS, GIRDERS AND SUBFLOOR SHALL BE TREATED IF CLOSER THAN 18 INCHES TO EXPOSED GRADE FOR JOISTS AND STRUCTURAL FLOORS. WOOD GIRDERS SHALL BE TREATED IF CLOSER THAN 12 INCHES TO EXPOSED GROUND.
 - B. WOOD FRAMING MEMBERS THAT ARE IN CONTACT WITH EXTERIOR FOUNDATION WALLS AND LESS THAN 8 INCHES FROM EXPOSED EARTH SHALL BE TREATED.
 - C. WOOD FRAMING MEMBERS IN DIRECT CONTACT WITH THE INTERIOR OF EXTERIOR CONCRETE WALLS BELOW GRADE SHALL BE TREATED.
 - D. SLEEPERS AND SILLS ON CONCRETE THAT IS IN DIRECT CONTACT WITH EARTH SHALL BE TREATED.
 - E. OTHER LOCATIONS AS SPECIFIED IN IBC 2304.12.2.1 THROUGH 2304.12.2.5



BROADWAY STATION
 115 SECOND STREET
 EAGLE, CO 81631
 EAGLE COUNTY

ASE Project No.:2000-02
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Revision	Date
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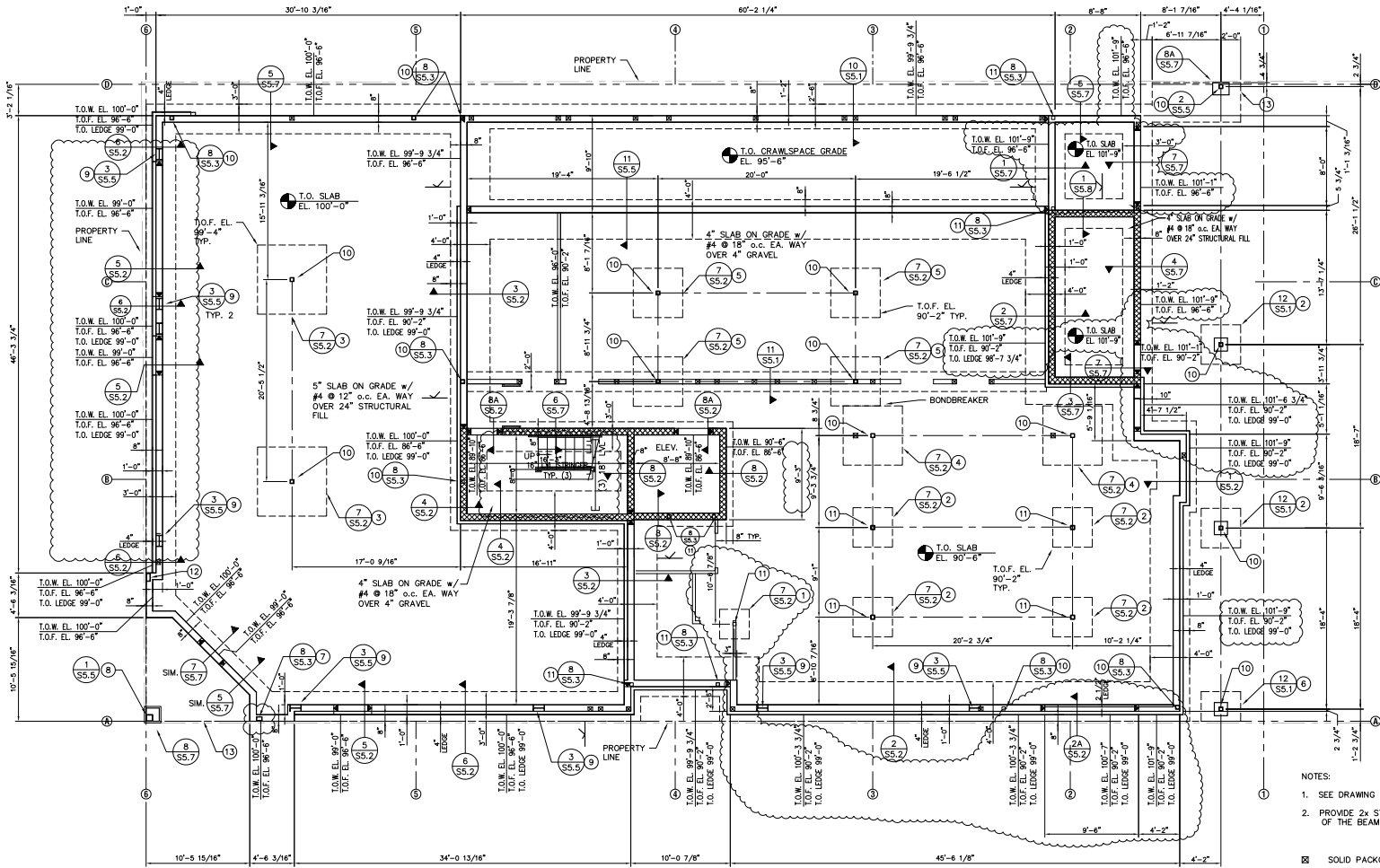
GENERAL NOTES

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

- LEGEND**
- ▬ WALL STEP
 - ▬ FOOTING STEP
 - ▬ FLOOR STEP
 - T.O.W. = TOP OF WALL
 - T.O.F. = TOP OF FOOTING

- NOTES:
- SEE DRAWING S1.0 FOR GENERAL NOTES.
 - PROVIDE 2x STUD PACKOUTS EQUAL TO THE WIDTH OF THE BEAM U.N.O.

- ▣ SOLID PACKOUT COLUMN ABOVE
- ① 3'-0" x 3'-0" x 1'-0" THK. FTG.
- ② 4'-0" x 4'-0" x 1'-2" THK. FTG.
- ③ 7'-0" x 7'-0" x 1'-6" THK. FTG. w/ #5 @ 8" o.c. EA. WAY
- ④ 6'-0" x 6'-0" x 1'-4" THK. FTG. w/ #5 @ 8" o.c. EA. WAY
- ⑤ 5'-0" x 5'-0" x 1'-2" THK. FTG.
- ⑥ 3'-0" x 4'-0" x 1'-0" THK. FTG.
- ⑦ HSS 7 x 5 x 1/2
- ⑧ HSS 8 x 8 x 5/8
- ⑨ W14 x 53
- ⑩ HSS 5 x 5 x 1/2
- ⑪ HSS 4 x 4 x 1/4
- ⑫ HSS 10 x 5 x 5/8
- ⑬ 1'-0" THK. COMBINED FTG. w/ #5 @ 12" o.c. EA. WAY TOP & BOT.



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FOUNDATION PLAN

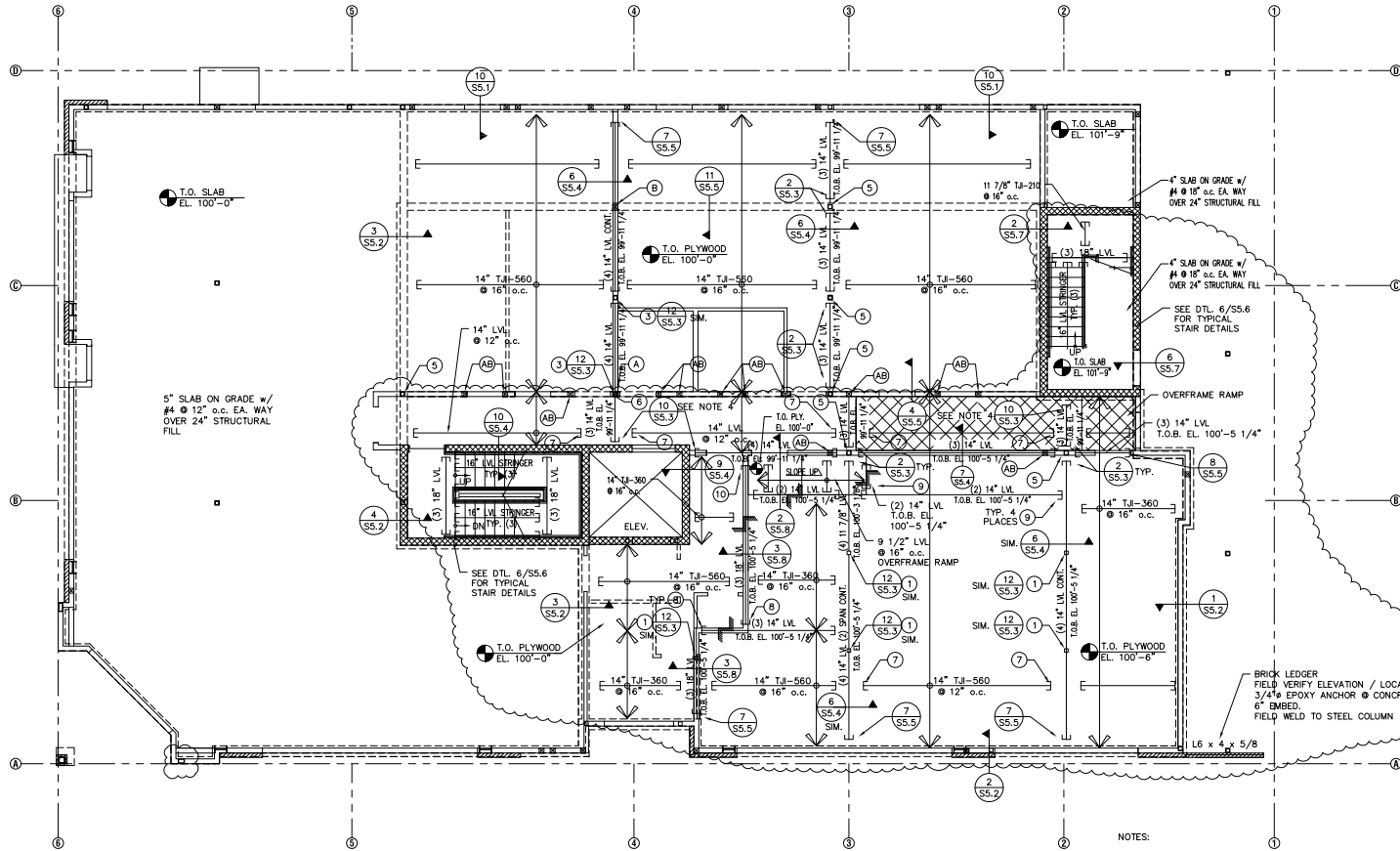
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MAIN LEVEL FRAMING PLAN

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

NOTES:

1. SEE DRAWING S1.0 FOR GENERAL NOTES.
2. SEE DTL. 4/S5.1 FOR TYPICAL HEADER FRAMING.
3. PROVIDE 2x STUD PACKOUTS EQUAL TO THE WIDTH OF THE BEAM U.N.O.
4. COORDINATE CMU BOND BEAM LOCATIONS WITH HANGER LOCATIONS.

BCI JOISTS MAY BE SUBSTITUTED FOR TJI AS NOTED:

BCI 6000 1.8 = TJI-210
BCI 60 2.0 = TJI-360
BCI 90 2.0 = TJI-560

LEGEND

- ☒ 2x SOLID PACKOUT COLUMN U.N.O.
- BEARING CONNECTION
- ⌋ HANGING CONNECTION
- ⌋ FLOOR STEP
- (A) SOLID PACKOUT COLUMN ABOVE
- (B) SOLID PACKOUT COLUMN BELOW
- (AB) SOLID PACKOUT COLUMN ABOVE AND BELOW
- (1) HSS 4 x 4 x 1/4 BELOW
- (2) HSS 5 x 5 x 1/2 ABOVE
- (3) HSS 5 x 5 x 1/2 BELOW
- (4) HSS 4 x 4 x 1/4 ABOVE
- (5) HSS 5 x 5 x 1/2 CONT.
- (6) DISCONTINUOUS FOR UPLIFT
- (7) SIMPSON HB HANGER
- (8) SIMPSON HGLTY HANGER
- (9) SIMPSON HUS HANGER
- (10) SIMPSON HGUS5.50/14 HANGER



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MAIN LEVEL FRAMING PLAN

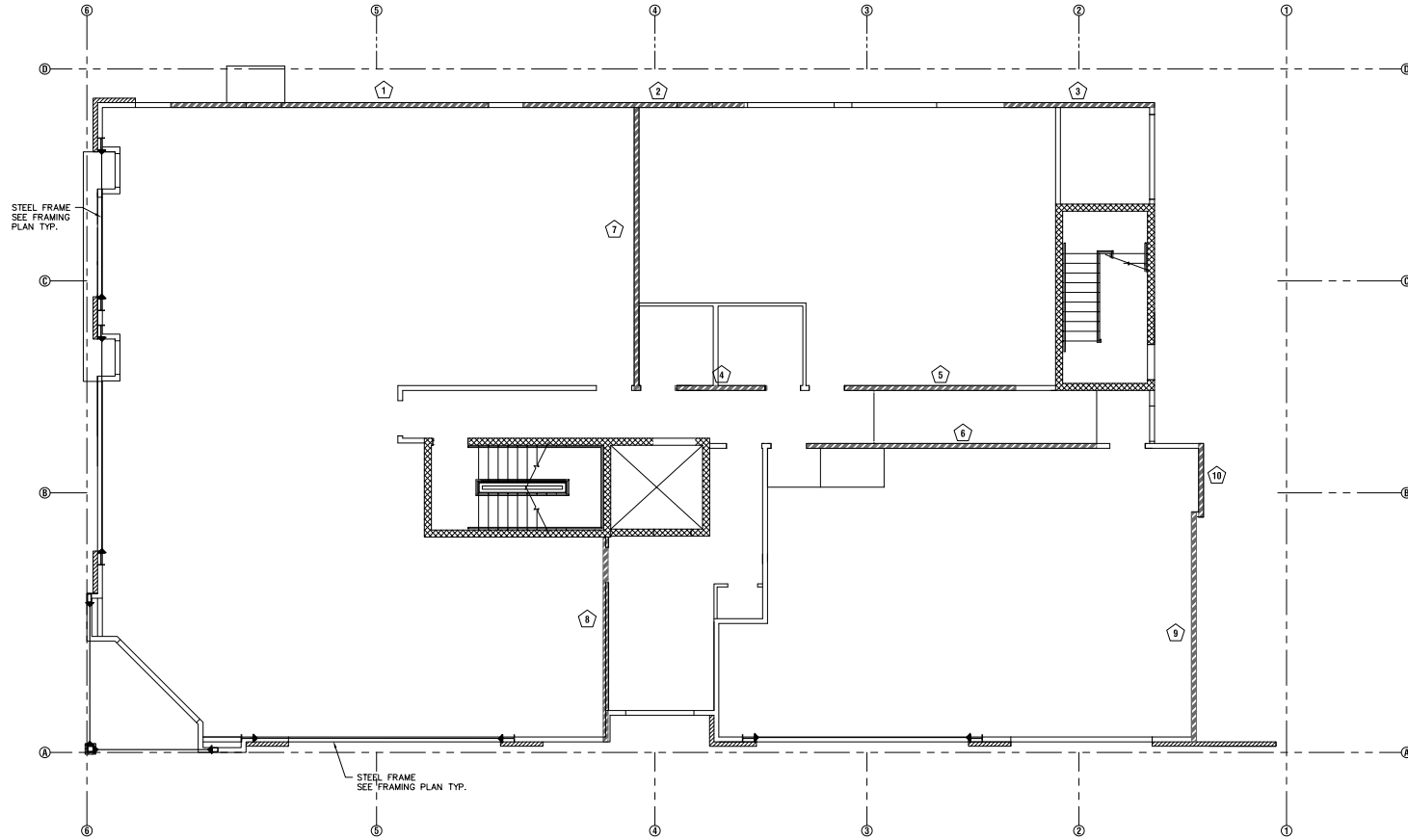
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SHEAR WALL SCHEDULE REF. DETAIL 9/S5.5 & 10/S5.5						
WALL ID	STUDS	SHEATHING	ANCHOR BOLTS OR SILL PLATE CLIPS	BOUNDARY FASTENING	HOLD DOWNS OR FLOOR TO FLOOR TIE	
1 - 3	2 x 6 @ 16" o.c.	15/32" (1) SIDE	1/2" @ 48" o.c.	8d @ 6" o.c.	HDU4-SDS 2.5	
4 - 5	2 x 6 @ 16" o.c.	5/8" GYP. BD. (2) SIDES	A35 @ 12" o.c.	6d @ 4" o.c. BLOCK EDGES	MST72	
6	2 x 6 @ 16" o.c.	5/8" GYP. BD. (2) SIDES	A35 @ 12" o.c.	6d @ 4" o.c. BLOCK EDGES	MST72	
7 - 8	2 x 6 @ 16" o.c.	15/32" (1) SIDE	5/8" @ 18" o.c.	10d @ 2" o.c.	HDU11-SDS 2.5 w/ (6) 2 x 6	
9 - 10	2 x 6 @ 16" o.c.	15/32" (1) SIDE	1/2" @ 24" o.c.	10d @ 4" o.c.	HDU8-SDS 2.5 w/ (2) 2 x 6	

MAIN LEVEL SHEAR WALL PLAN

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

NOTES:

- SEE DRAWING S1.0 FOR GENERAL NOTES.
- SEE DTL. 4/S5.1 FOR TYPICAL HEADER FRAMING.



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MAIN LEVEL SHEAR WALL PLAN

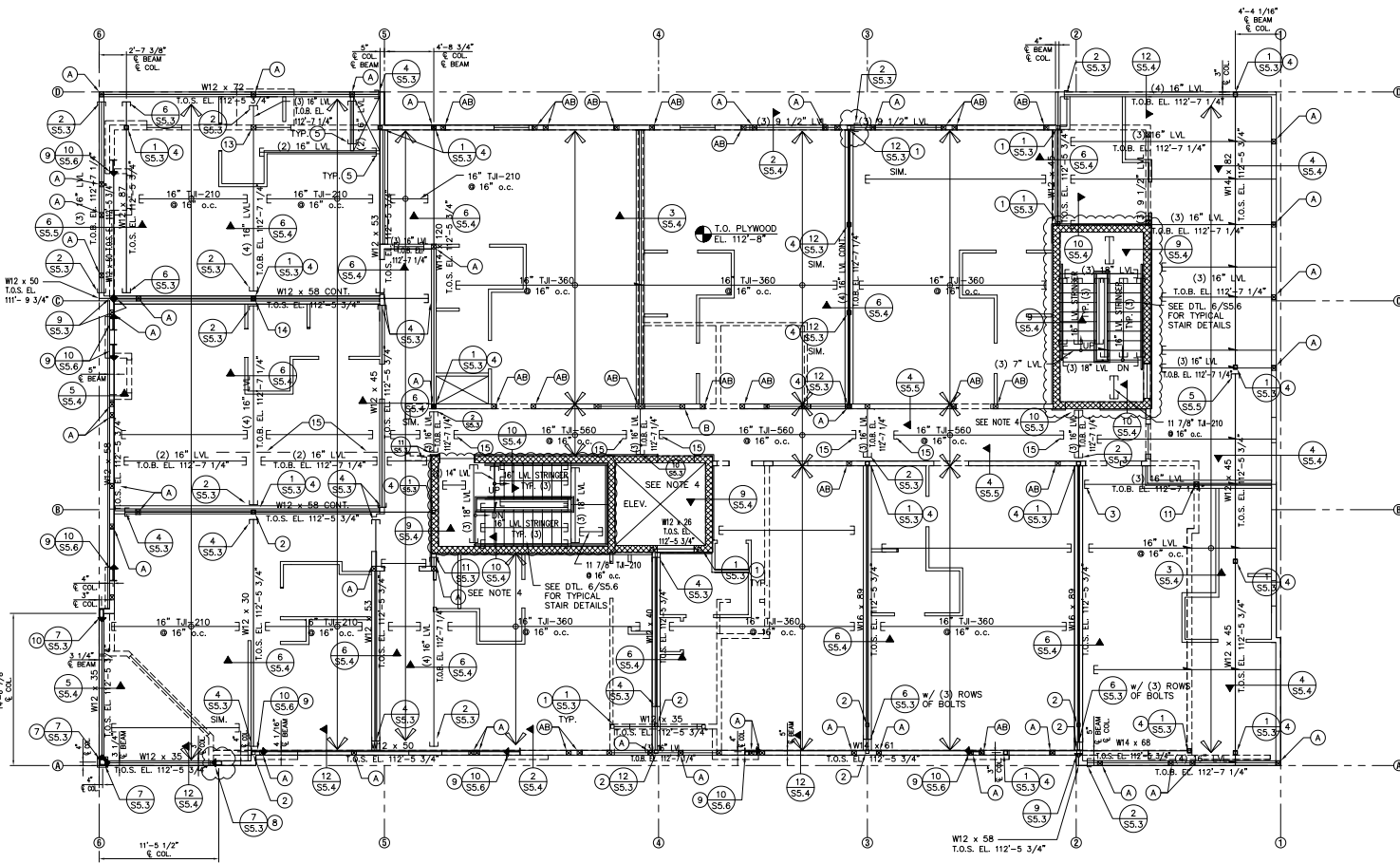
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BROADWAY STATION
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EAGLE COUNTY



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

NOTES:

- SEE DRAWING S1.0 FOR GENERAL NOTES.
- SEE DTL. 4/SS.1 FOR TYPICAL HEADER FRAMING.
- PROVIDE 2x STUD PACKOUTS EQUAL TO THE WIDTH OF THE BEAM U.N.O.
- COORDINATE CMU BOND BEAM LOCATIONS WITH HANGER LOCATIONS.
- 2ND FLOOR SHEATHING SHALL BE FASTENED w/ 10d @ 4" o.c. BOUNDARY. ALL PANEL EDGES SHALL BE BLOCKED.

BCI JOISTS MAY BE SUBSTITUTED FOR TJI AS NOTED:

BCI 6000 1.8 = TJI-210
BCI 60 2.0 = TJI-360
BCI 90 2.0 = TJI-560

LEGEND

- | | | | | | |
|---|--------------------------------|------|--------------------------------------|------|---------------------------------|
| ⊠ | 2x SOLID PACKOUT COLUMN U.N.O. | (A) | SOLID PACKOUT COLUMN ABOVE | (7) | HSS 8 x 8 x 5/8 CONT. |
| — | BEARING CONNECTION | (B) | SOLID PACKOUT COLUMN BELOW | (8) | HSS 7 x 5 x 1/2 CONT. |
| — | HANGING CONNECTION | (AB) | SOLID PACKOUT COLUMN ABOVE AND BELOW | (9) | W14 x 53 BELOW |
| — | MOMENT CONNECTION | (1) | HSS 4 x 4 x 1/4 BELOW | (10) | HSS 10 x 5 x 3/8 CONT. |
| — | FLOOR STEP | (2) | HSS 4 x 4 x 1/4 ABOVE | (11) | (4) 2 x 6 POST w/ CC COLUMN CAP |
| | | (3) | SIMPSON HHUS HANGER | (12) | NOT USED |
| | | (4) | HSS 5 x 5 x 1/2 BELOW | (13) | DISCONTINUOUS FOR UPLIFT |
| | | (5) | SIMPSON MTH HANGER | (14) | (5) 2 x 4 POST ABOVE |
| | | (6) | NOT USED | (15) | SIMPSON HB HANGER |



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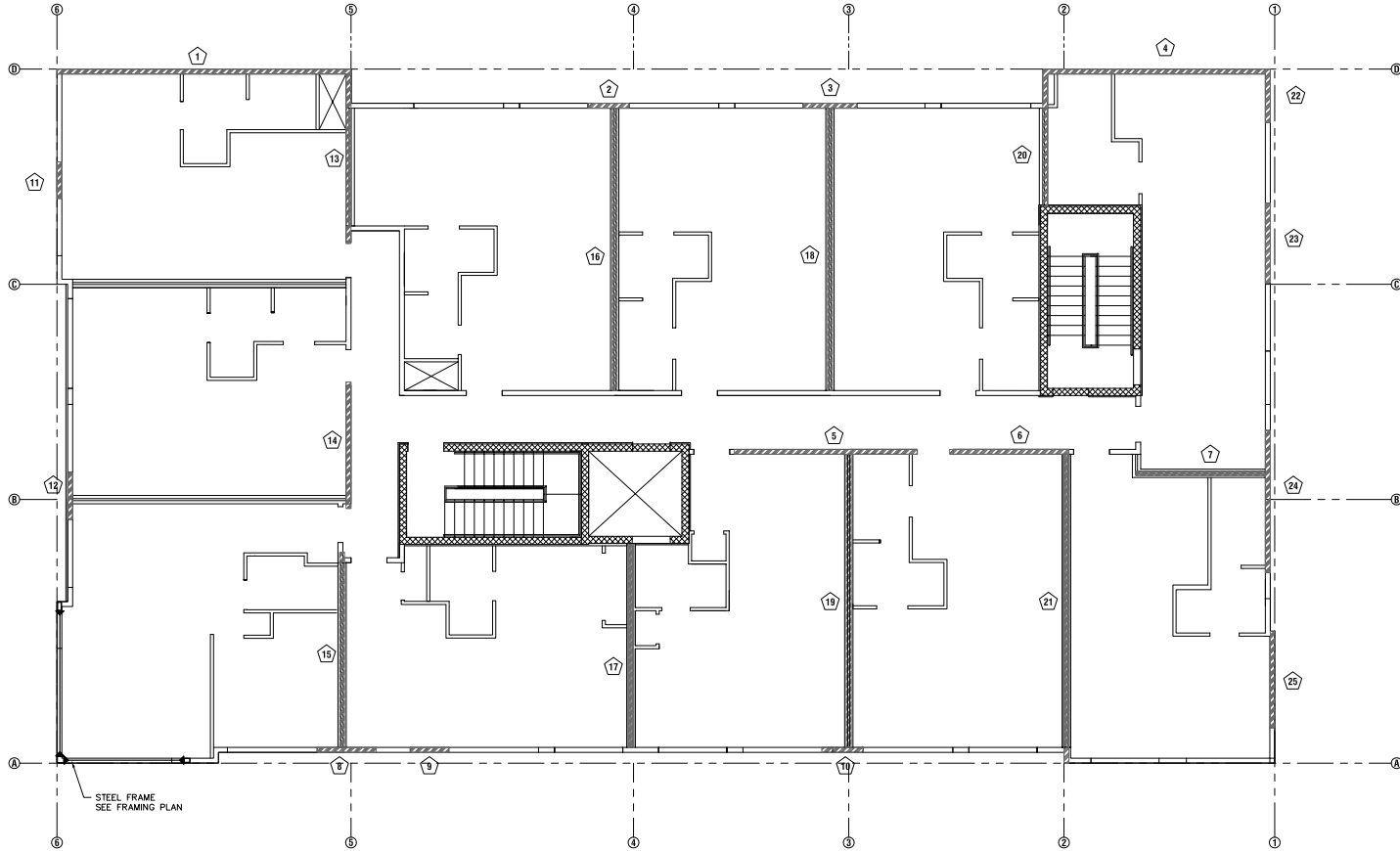
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SECOND FLOOR FRAMING PLAN

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BROADWAY STATION
 115 SECOND STREET
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SHEAR WALL SCHEDULE REF. DETAIL 10/S5.5					
WALL ID	STUDS	SHEATHING	ANCHOR BOLTS OR SILL PLATE CLIPS	BOUNDARY FASTENING	HOLD DOWNS OR FLOOR TO FLOOR TIE
1 - 4	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 24" o.c.	8d @ 6" o.c.	LSTA49
5 - 7	2 x 6 @ 16" o.c.	5/8" GYP. BD. (2) SIDES	A35 @ 16" o.c.	6d @ 4" o.c. BLOCK EDGES	MST48
8 - 10	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 12" o.c.	8d @ 4" o.c.	MST72
11 - 12	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 8" o.c.	10d @ 3" o.c.	DMST12 w/ 33" END LENGTH
13 - 21	2 x 4 @ 16" o.c.	5/8" GYP. BD. (2) SIDES	A35 @ 24" o.c.	6d @ 7" o.c.	MST48
22 - 25	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 24" o.c.	8d @ 6" o.c.	MSTA49

2ND FLOOR SHEAR WALL PLAN

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

LEGEND

 WALL ID

NOTES:

- SEE DRAWING S1.0 FOR GENERAL NOTES.
- SEE DTL. 4/S5.1 FOR TYPICAL HEADER FRAMING.

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SECOND FLOOR SHEAR WALL PLAN

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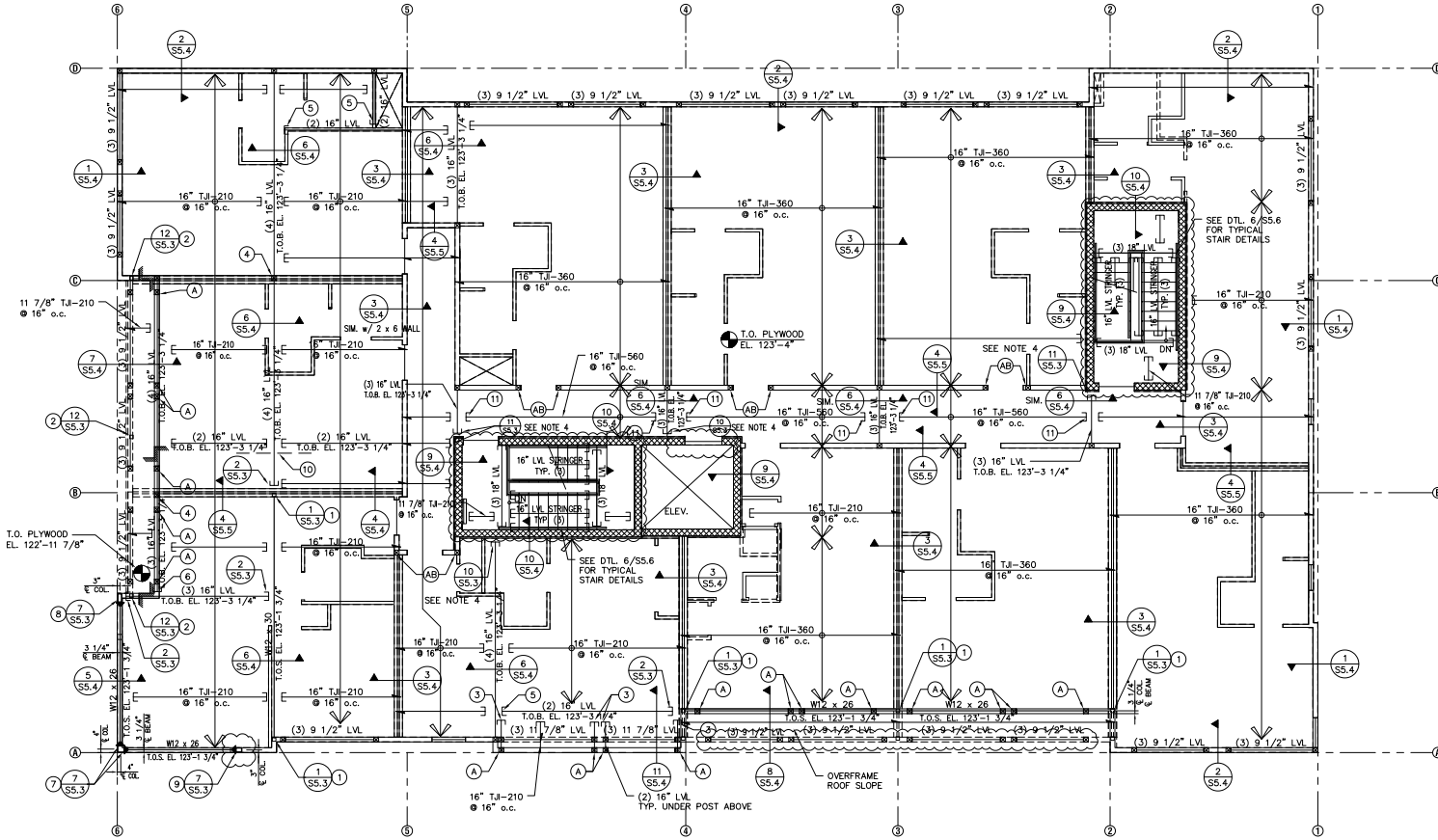
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BROADWAY STATION
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3RD FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

NOTES:

- SEE DRAWING S1.0 FOR GENERAL NOTES.
 - SEE DTL. 4/SS.1 FOR TYPICAL HEADER FRAMING.
 - PROVIDE 2x STUD PACKOUTS EQUAL TO THE WIDTH OF THE BEAM U.N.O.
 - COORDINATE CMU BOND BEAM LOCATIONS WITH HANGER LOCATIONS.
 - 3RD FLOOR SHEATHING SHALL BE FASTENED w/ 10d @ 6" o.c. BOUNDARY NAILING, 10d @ 12" o.c. FIELD NAILING. ALL PANEL EDGES SHALL BE BLOCKED.
- BCI JOISTS MAY BE SUBSTITUTED FOR TJI AS NOTED:
BCI 6000 1.8 = TJI-210
BCI 60 2.0 = TJI-360
BCI 90 2.0 = TJI-560

LEGEND

- 2x SOLID PACKOUT COLUMN U.N.O.
- BEARING CONNECTION
- HANGING CONNECTION
- MOMENT CONNECTION
- FLOOR STEP
- (A) SOLID PACKOUT COLUMN ABOVE
- (B) SOLID PACKOUT COLUMN BELOW
- (AB) SOLID PACKOUT COLUMN ABOVE AND BELOW
- (1) HSS 4 x 4 x 1/4 BELOW
- (2) HSS 4 x 4 x 1/4 ABOVE
- (3) SIMPSON U414 HANGER
- (4) (5) 2 x 4 POST w/ CUSTOM SIMPSON CCG CAP w/ STRAPS ROTATED 90°.
- (5) SIMPSON MIT HANGER
- (6) SIMPSON HWJ HANGER
- (7) HSS 8 x 8 x 5/8 CONT.
- (8) HSS 10 x 5 x 5/8 CONT.
- (9) HSS 7 x 5 x 1/2 CONT.
- (10) SIMPSON HU HANGERS & SIMPSON MST148 STRAP TO TIE (2) LVL BEAMS TOGETHER
- (11) SIMPSON HB HANGER



ASE Project No.: 2000-02
Drawn By: ADC
Checked By: LKA

Revision	Date
PERMIT	5-01-20
CLIENT REVIEW	7-07-20
CONSTRUCTION	7-21-20
REVIEW SET	9-18-20
CONSTRUCTION	9-30-20

THIRD FLOOR FRAMING PLAN

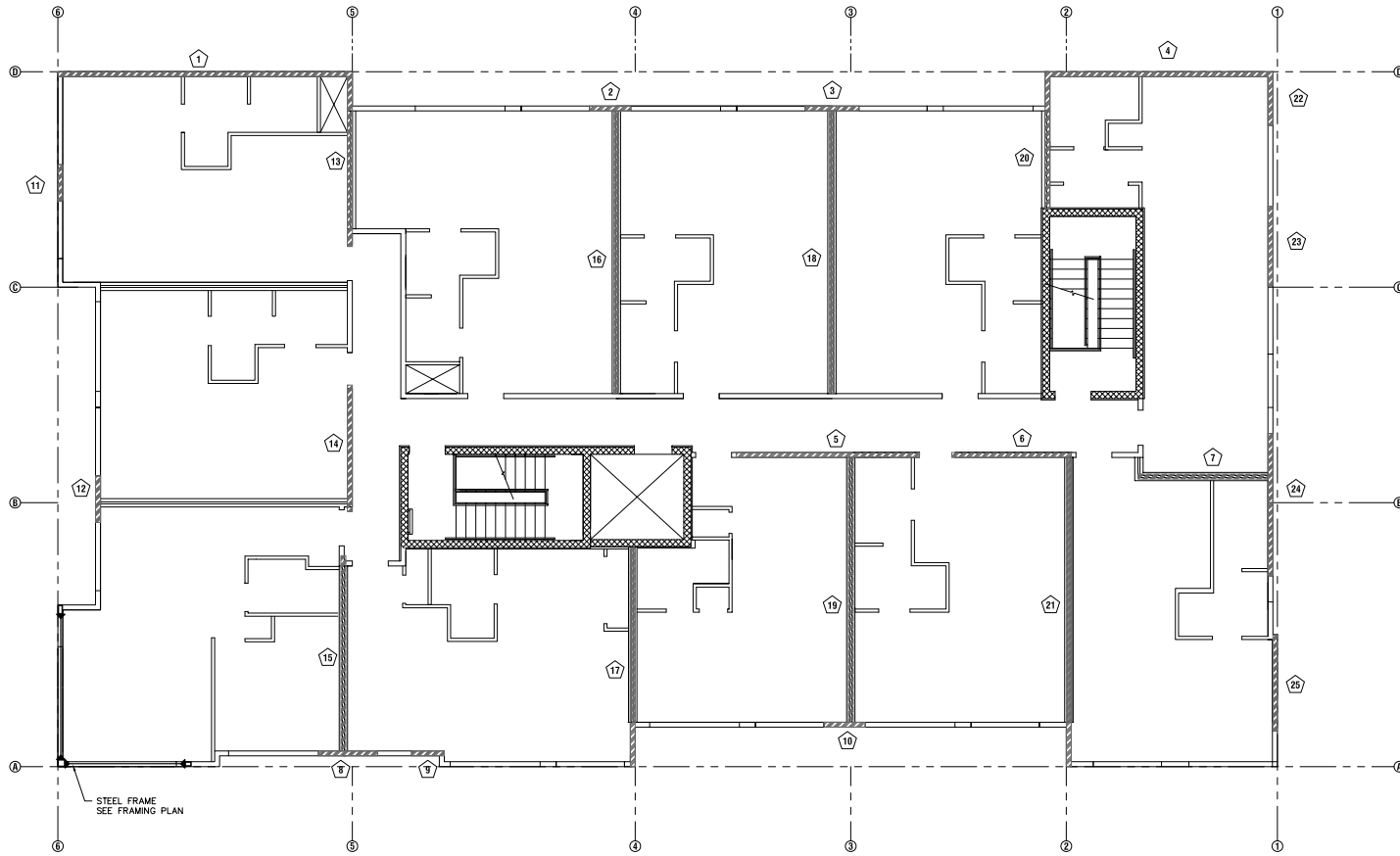
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S1.6



ANDERSON STRUCTURAL
ENGINEERING, INC.
823 GRAND AVE.
SUITE 340
GLENWOOD SPRING, CO. 81601
(970) 984-0320

BROADWAY STATION
115 SECOND STREET
EAGLE, CO 81631
EAGLE COUNTY



SHEAR WALL SCHEDULE REF. DETAIL 10/SS.5					
WALL ID	STUDS	SHEATHING	ANCHOR BOLTS OR SILL PLATE CLIPS	BOUNDARY FASTENING	HOLD DOWNS OR FLOOR TO FLOOR TIE
1 - 4	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 24" o.c.	8d @ 6" o.c.	MSTA49
5 - 7	2 x 6 @ 16" o.c.	5/8" GYP. BD. (2) SIDES	A35 @ 24" o.c.	No. 6 SCREWS x 1 1/4" @ 6" o.c.	MSTA49
8 - 10	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 24" o.c.	8d @ 6" o.c.	MSTA48 w/ (2) 2 x 6
11 - 12	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 8" o.c.	8d @ 3" o.c.	MST72
13 - 21	2 x 4 @ 16" o.c.	5/8" GYP. BD. (2) SIDES	A35 @ 24" o.c.	No. 6 SCREWS x 1 1/4" @ 6" o.c.	MST49
22 - 25	2 x 6 @ 16" o.c.	15/32" (1) SIDE	LPT4 @ 24" o.c.	8d @ 6" o.c.	MST49

3RD FLOOR SHEAR WALL PLAN

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

LEGEND

⬠ WALL ID

NOTES:

1. SEE DRAWING S1.0 FOR GENERAL NOTES.
2. SEE DTL. 4/SS.1 FOR TYPICAL HEADER FRAMING.

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THIRD FLOOR SHEAR WALL PLAN

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S1.7





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115 SECOND STREET
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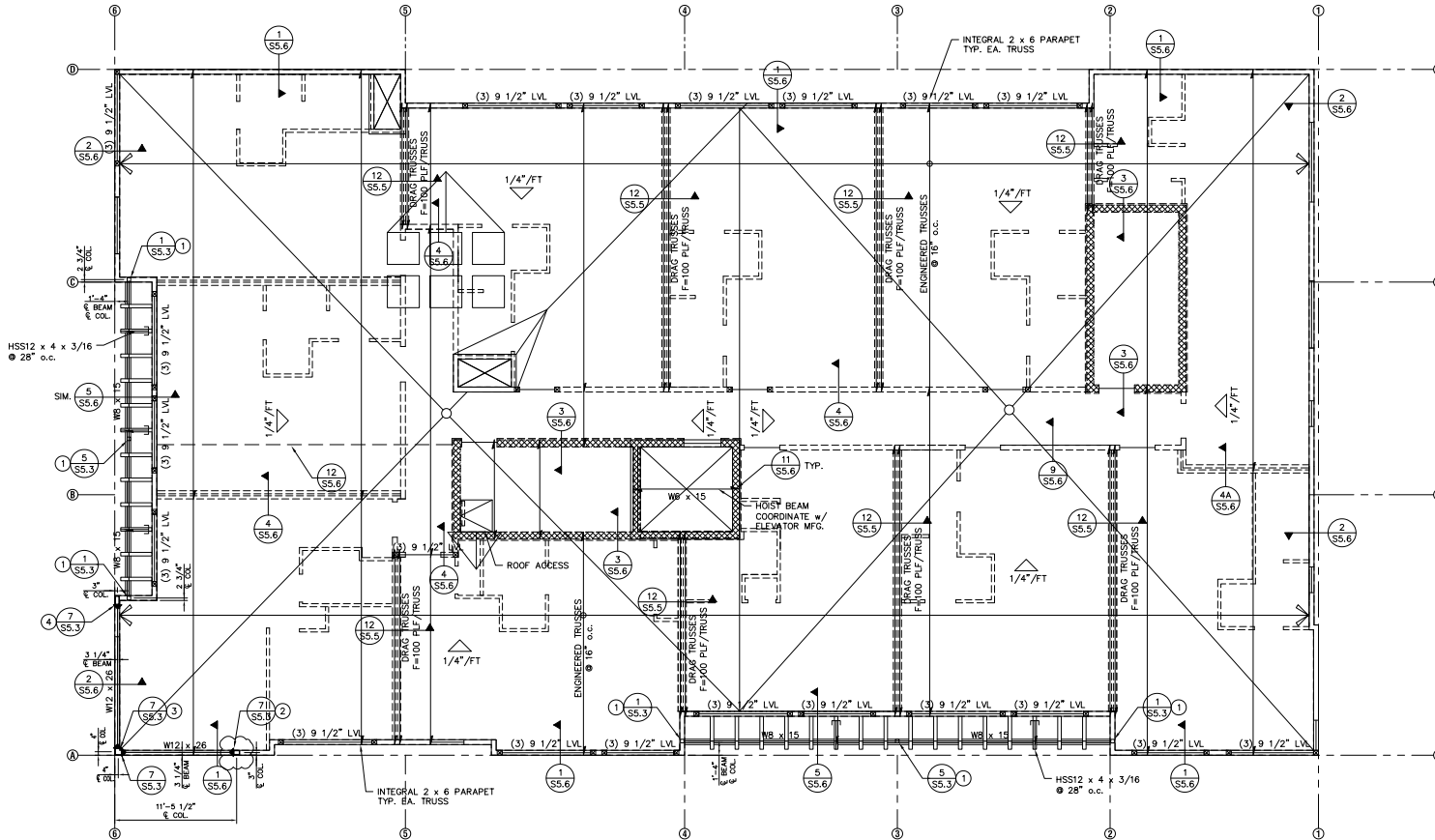
ASE Project No.: 2000-02
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ROOF FRAMING PLAN

Sheet

S1.8



ROOF FRAMING PLAN

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

NOTES:

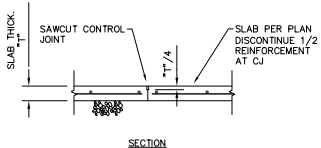
- SEE DRAWING S1.0 FOR GENERAL NOTES.
- SEE DTL. 4/S5.1 FOR TYPICAL HEADER FRAMING.
- PROVIDE 2x STUD PACKOUTS EQUAL TO THE WIDTH OF THE BEAM U.N.O.
- ALL ROOF SHEATHING SHALL BE FASTENED w/ 8d @ 6" o.c. BOUNDARY AND 12" o.c. FIELD NAILING.

LEGEND

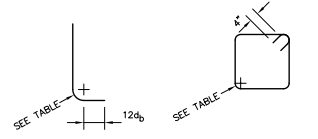
- ☒ 2x SOLID PACKOUT COLUMN U.N.O.
- BEARING CONNECTION
- HANGING CONNECTION
- MOMENT CONNECTION
- ① HSS 4 x 4 x 1/4
- ② HSS 7 x 5 x 1/2
- ③ HSS 8 x 8 x 5/8
- ④ HSS 10 x 5 x 5/8



NOTES:
 1. SAWCUT CONTROL JOINTS SHALL BE MADE WITHIN 24 HOURS OF POUR.
 2. CONTROL JOINTS SPACING SHALL NOT EXCEED 15'-0" IN EACH DIRECTION.



1 TYPICAL SLAB CONTROL JOINTS
 SCALE: 3/4" = 1'-0"

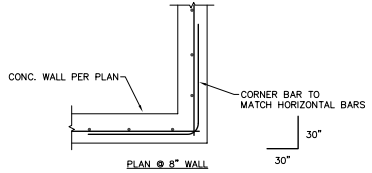
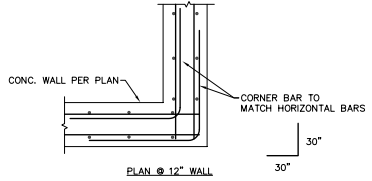


MINIMUM DIAMETERS OF BEND

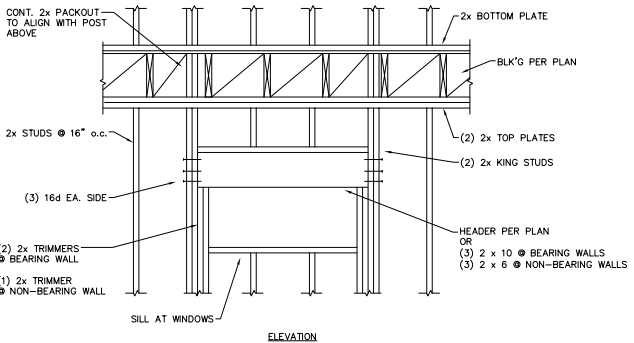
Bar Size	Minimum Diameter
No. 3 through 8	6d _b
No. 9, 10 and No. 11	8d _b
No. 14 and No. 18	10d _b

d_b = DIAMETER OF BAR

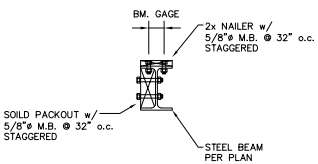
2 TYPICAL REINFORCEMENT DETAILS
 SCALE: 3/4" = 1'-0"



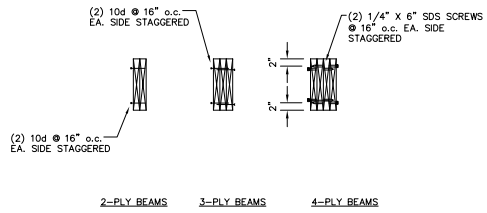
3 TYPICAL CORNER REINFORCEMENT
 SCALE: 3/4" = 1'-0"



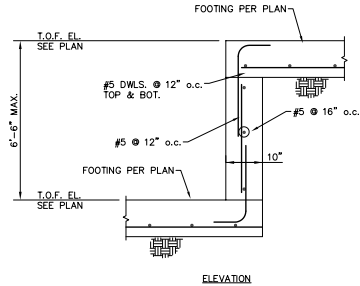
4 TYPICAL HEADER FRAMING
 SCALE: 3/4" = 1'-0"



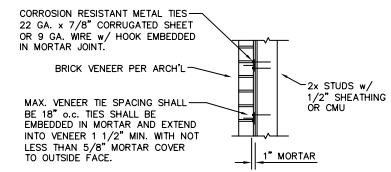
5 TYPICAL PACKOUTS & NAILERS
 SCALE: 3/4" = 1'-0"



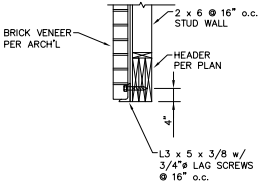
6 MULTI PLY BEAM CONNECTIONS
 SCALE: 3/4" = 1'-0"



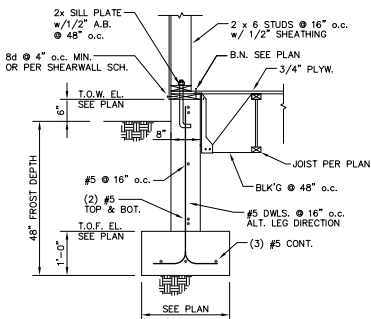
7 TYPICAL FOOTING STEPS
 SCALE: 3/4" = 1'-0"



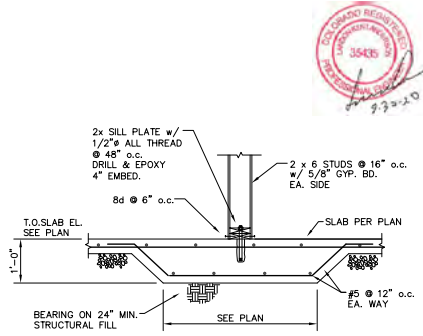
8 TYPICAL BRICK VENEER ANCHORAGE
 SCALE: N.T.S.



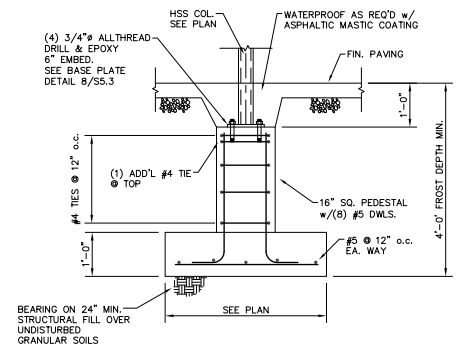
9 TYPICAL BRICK LINTEL
 SCALE: 3/4" = 1'-0"



10 FOUNDATION DETAIL
 SCALE: 3/4" = 1'-0"



11 FOUNDATION DETAIL
 SCALE: 3/4" = 1'-0"



12 FOUNDATION DETAIL
 SCALE: 3/4" = 1'-0"

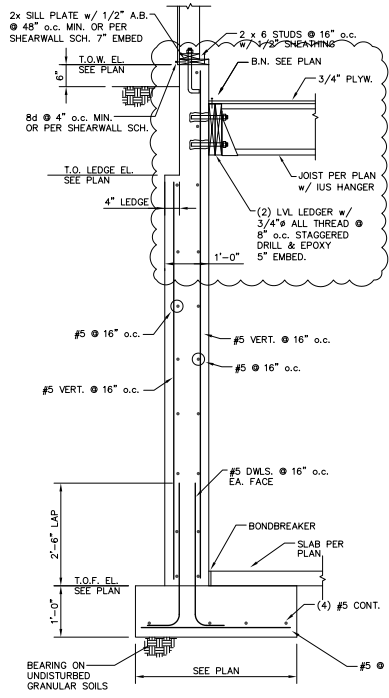
ASE Project No.: 2000-02
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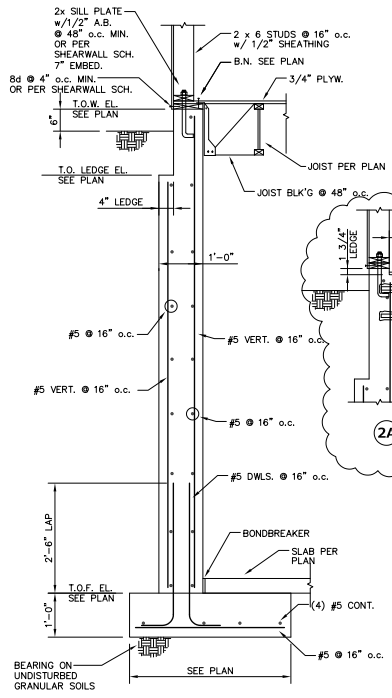
SECTIONS AND DETAILS

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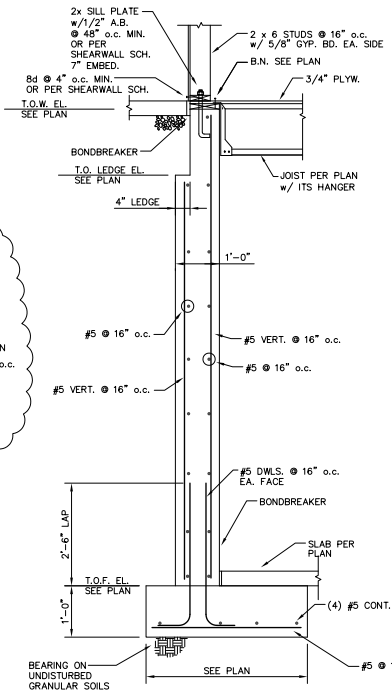
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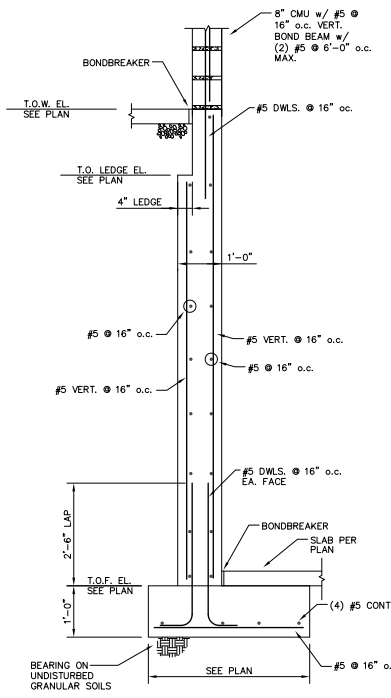
1 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



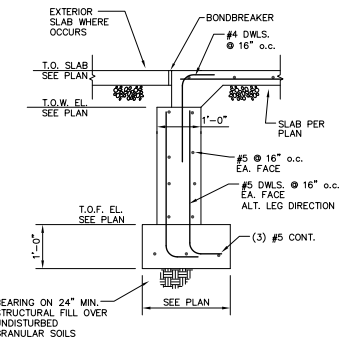
2 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



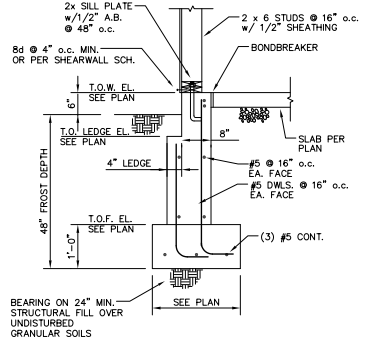
3 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



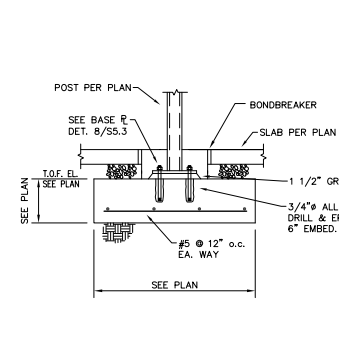
4 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



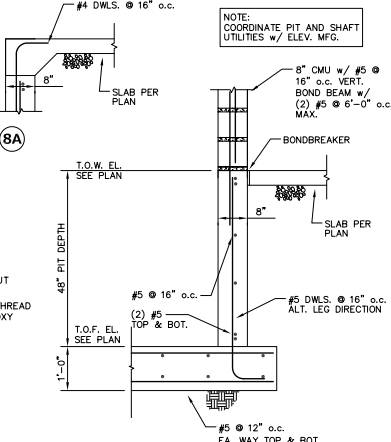
5 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



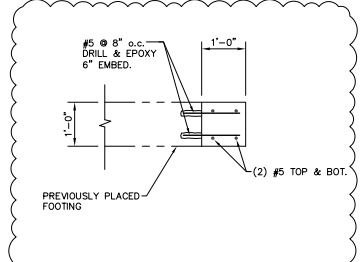
6 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



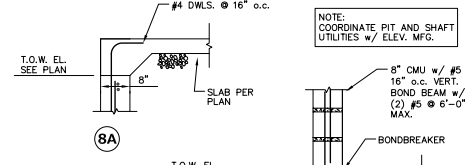
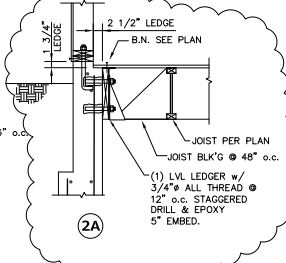
7 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



8 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



9 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



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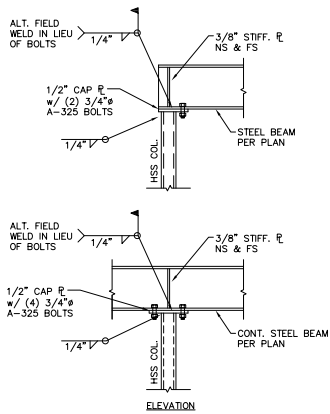
ASE Project No.: 2000-02
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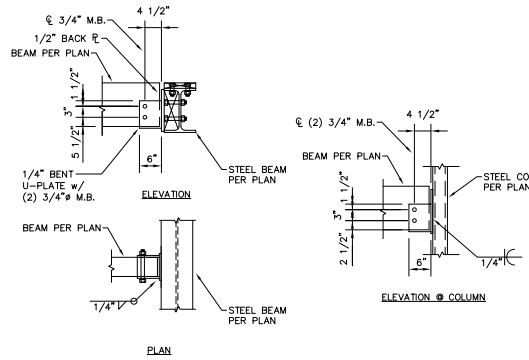
SECTIONS AND DETAILS

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S5.2

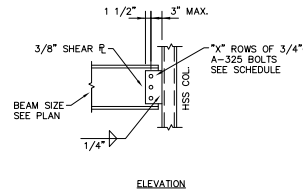


1 BEAM TO COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



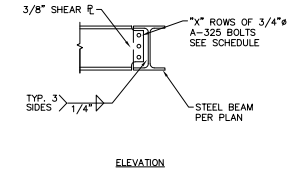
2 BEAM CONNECTION
SCALE: 3/4" = 1'-0"

BEAM SIZE	ROWS OF BOLTS
W6, W8 & W10	2
W12, W14	3
W16, W18, W21, W24	4
W21, W24, W30	5

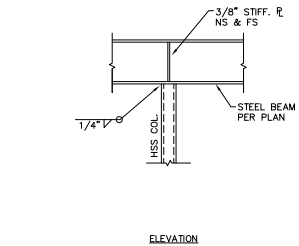


3 BEAM TO COLUMN CONNECTION
SCALE: 3/4" = 1'-0"

BEAM SIZE	ROWS OF BOLTS
W6, W8 & W10	2
W12, W14	3
W16, W18, W21, W24	4
W21, W24, W30	5

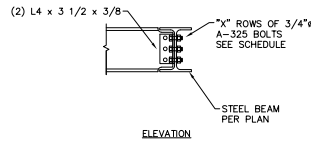


4 BEAM TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"



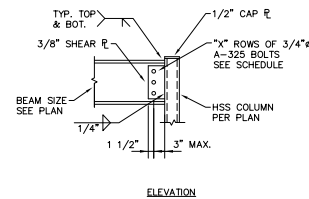
5 BEAM TO COLUMN CONNECTION
SCALE: 3/4" = 1'-0"

BEAM SIZE	ROWS OF BOLTS
W6, W8 & W10	2
W12, W14	3
W16, W18, W21, W24	4
W21, W24, W30	5

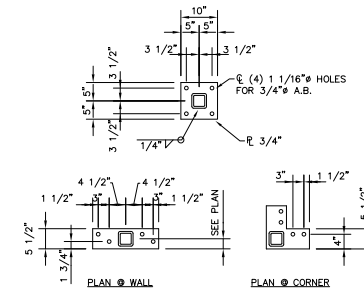


6 BEAM TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"

BEAM SIZE	ROWS OF BOLTS
W6, W8 & W10	2
W12, W14	3
W16, W18, W21, W24	4
W21, W24, W30	5

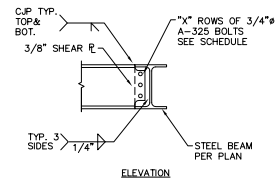


7 MOMENT CONNECTION DETAIL
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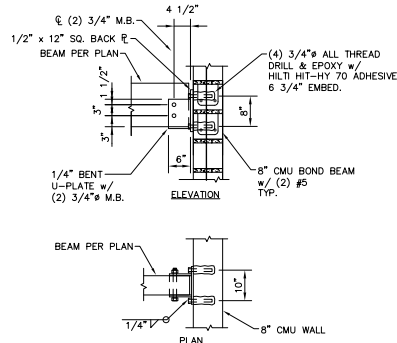


8 BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"

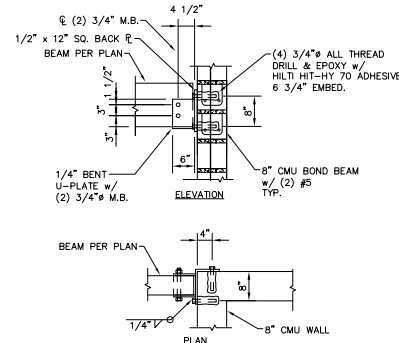
BEAM SIZE	ROWS OF BOLTS
W6, W8 & W10	2
W12, W14	3
W16, W18, W21, W24	4
W21, W24, W30	5



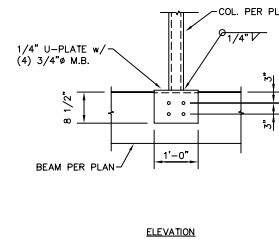
9 BEAM TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"



10 BEAM CONNECTION
SCALE: 3/4" = 1'-0"



11 BEAM CONNECTION
SCALE: 3/4" = 1'-0"



12 COLUMN TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"



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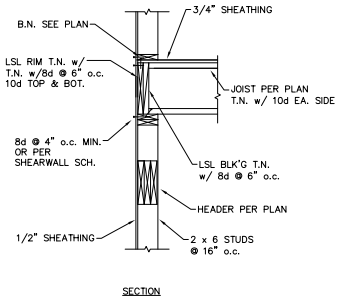
**SECTIONS
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DETAILS**

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S5.3

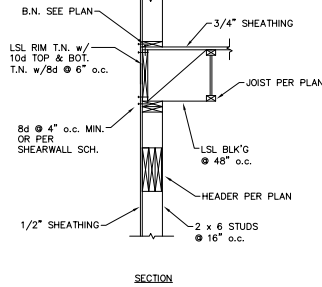


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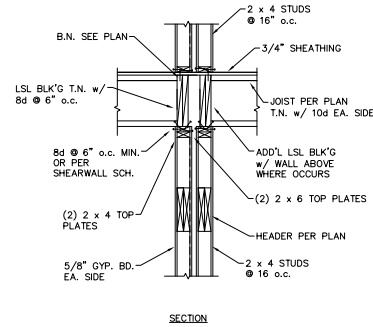
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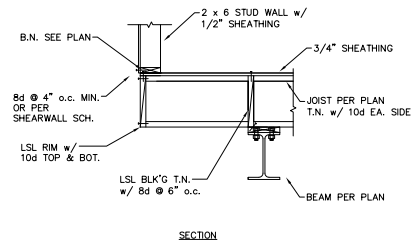
1 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



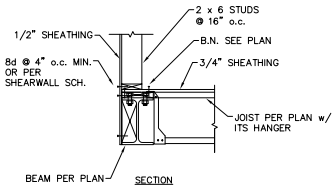
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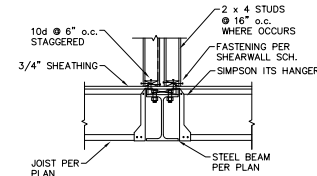
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SCALE: 3/4" = 1'-0"



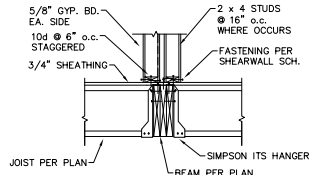
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SCALE: 3/4" = 1'-0"



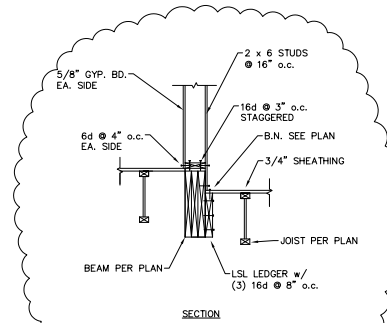
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SCALE: 3/4" = 1'-0"



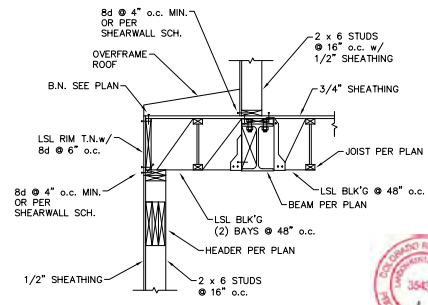
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SCALE: 3/4" = 1'-0"



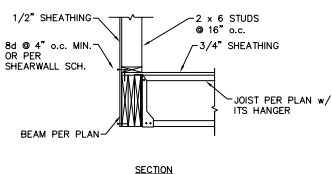
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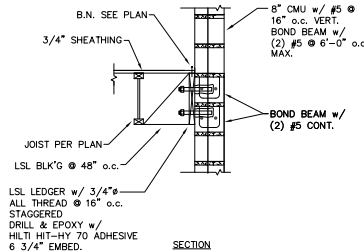
7 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



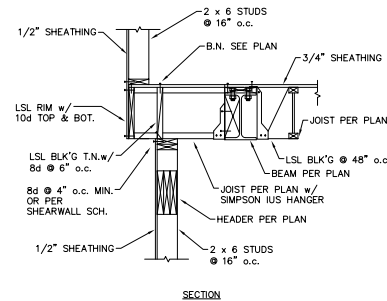
8 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



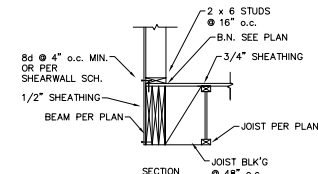
9 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



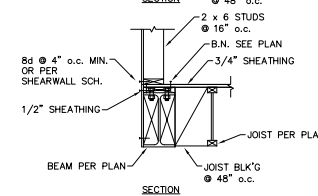
10 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



11 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



12 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



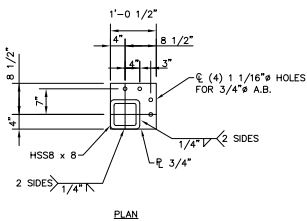
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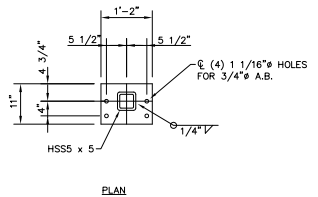
**SECTIONS
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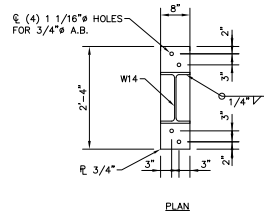
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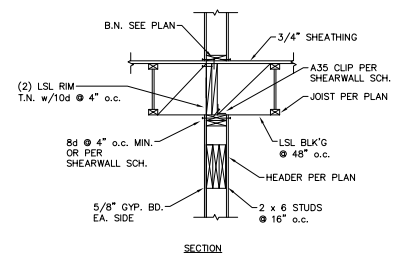
1 BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



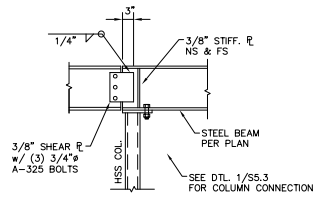
2 BASE PLATE DETAIL
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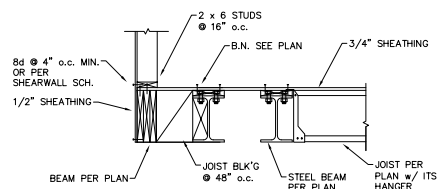
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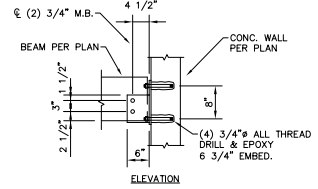
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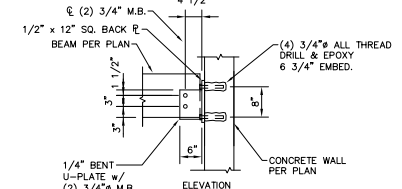
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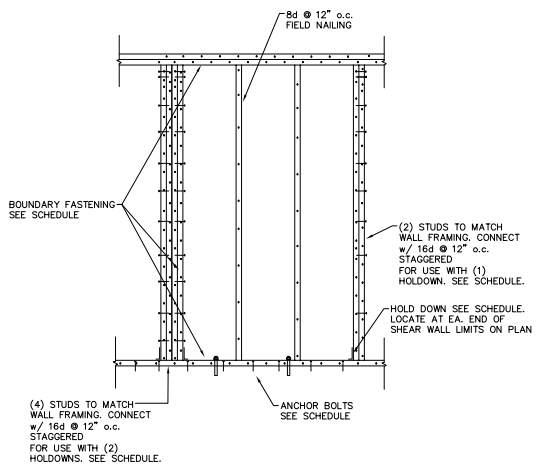
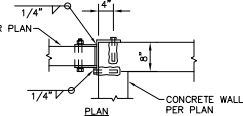
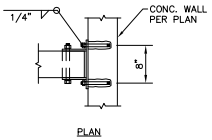
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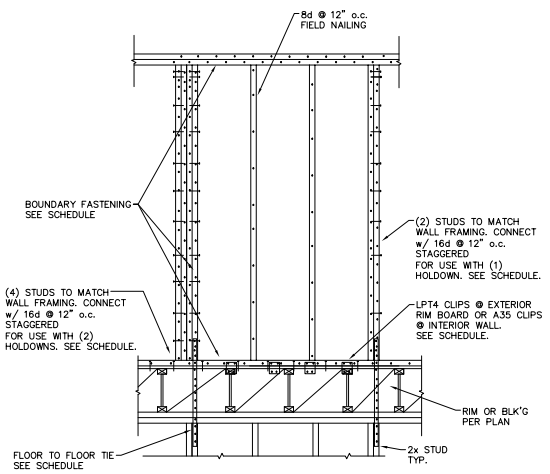
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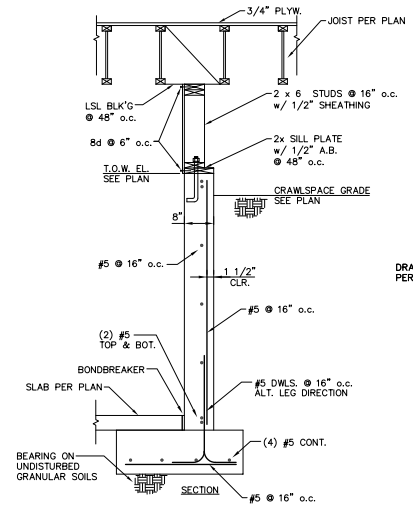
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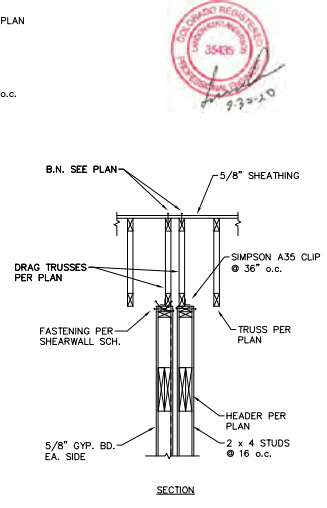
9 TYPICAL SHEARWALL DETAIL @ FDN.
SCALE: 3/4" = 1'-0"



10 TYPICAL SHEARWALL DETAIL @ FRAMING
SCALE: 3/4" = 1'-0"



11 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



12 ROOF FRAMING
SCALE: 3/4" = 1'-0"



ASE Project No.: 2000-02
Drawn By: ADC
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Revision	Date
PERMIT	5-01-20
CLIENT REVIEW	7-07-20
CONSTRUCTION	7-21-20
REVIEW SET	9-18-20
CONSTRUCTION	9-30-20

SECTIONS AND DETAILS

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EAGLE, CO 81631
EAGLE COUNTY

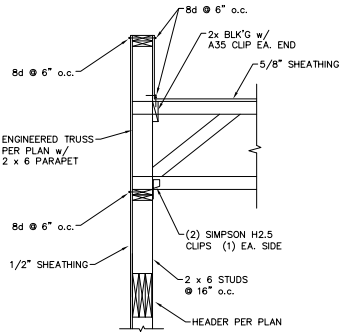
ASE Project No.: 2000-02
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**SECTIONS
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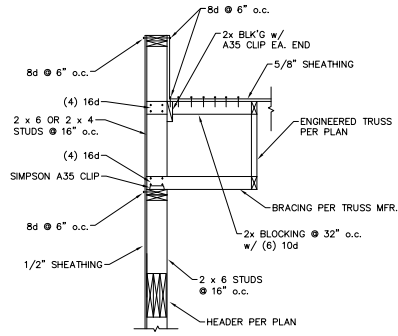
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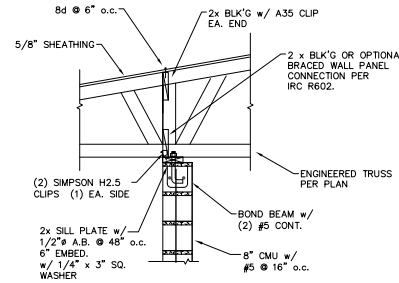
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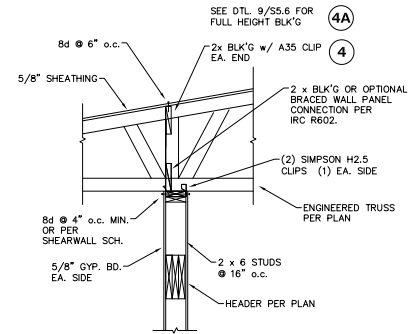
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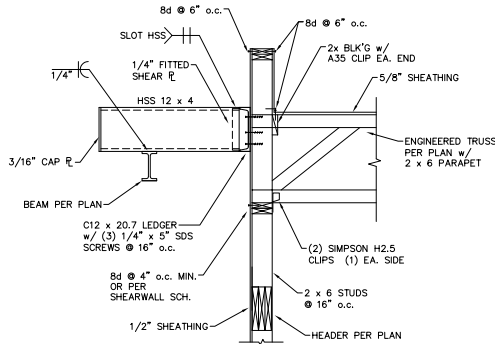
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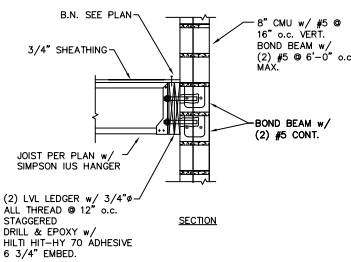
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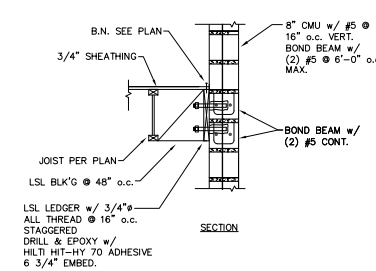
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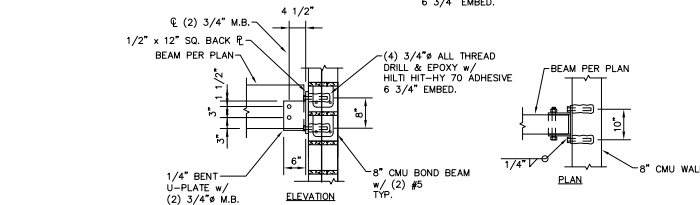
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6 TYPICAL STAIR FRAMING AND LANDING DETAILS
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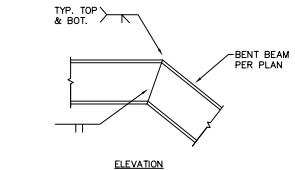
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7 BEAM CONNECTION DETAIL
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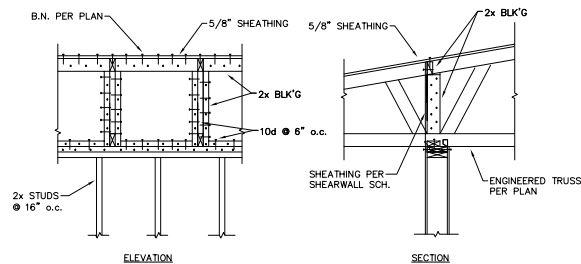


ELEVATION

PLAN

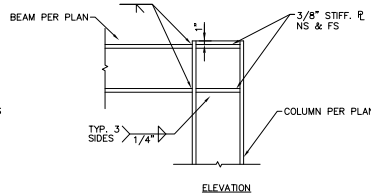


8 BEAM SPLICE DETAIL
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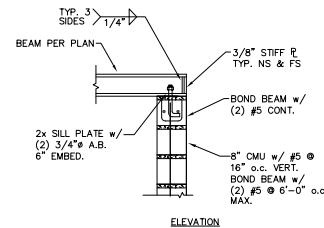
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9 ROOF FRAMING
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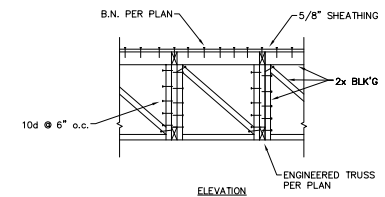
ELEVATION

10 MOMENT CONNECTION DETAIL
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ELEVATION

11 BEAM CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



ELEVATION

12 ROOF FRAMING
SCALE: 3/4" = 1'-0"





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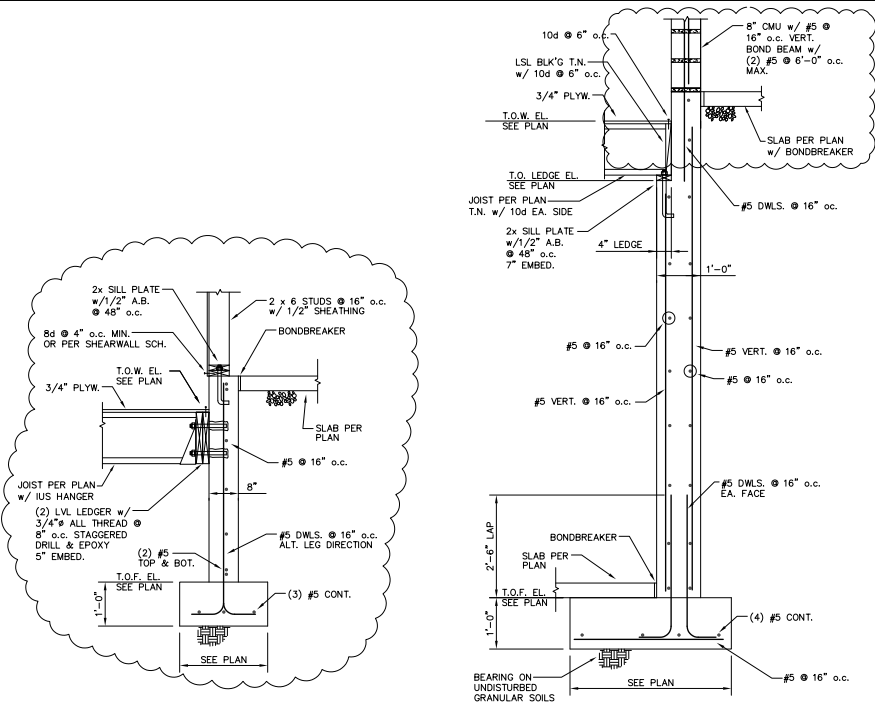
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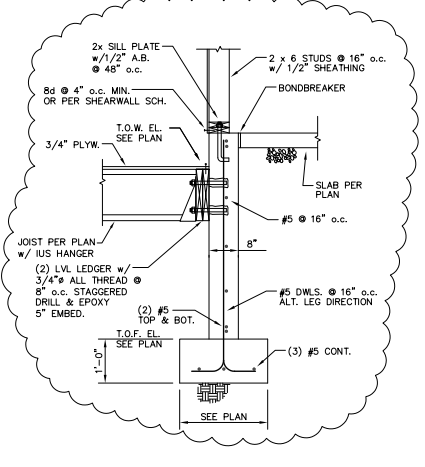
**SECTIONS
AND
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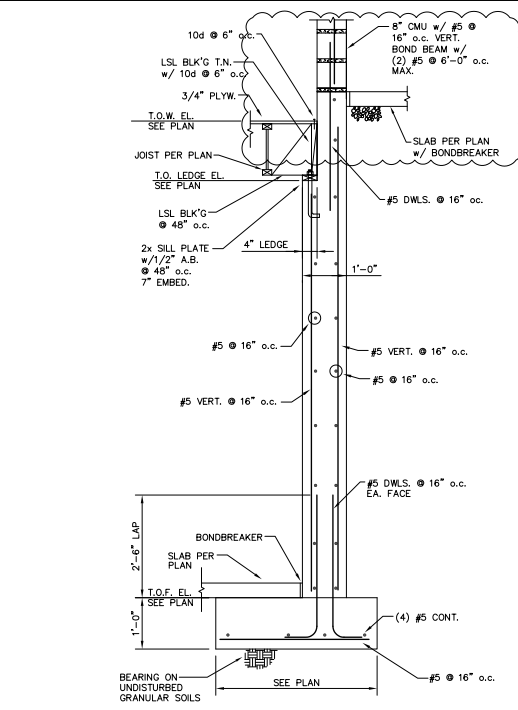
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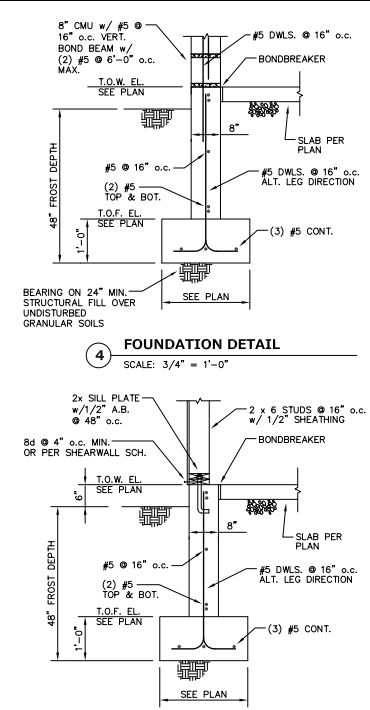
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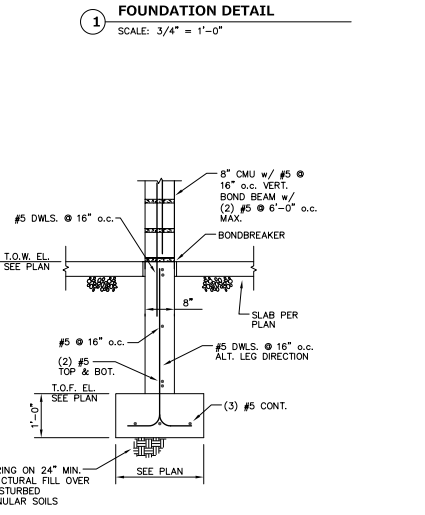
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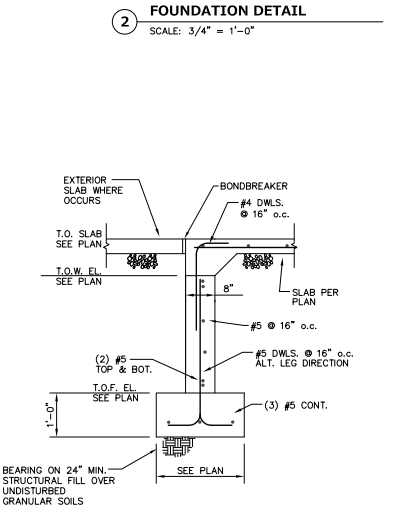
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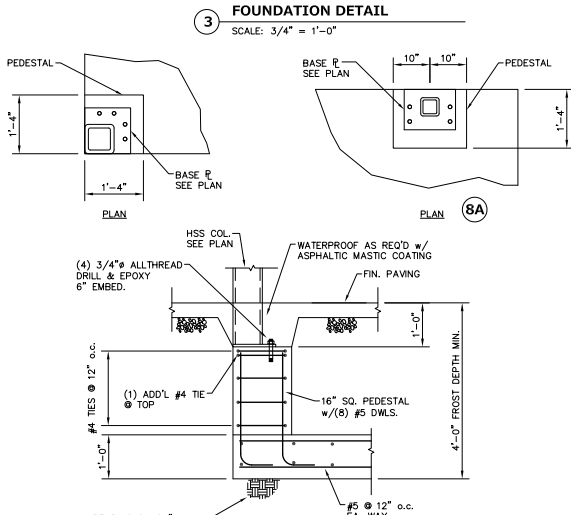
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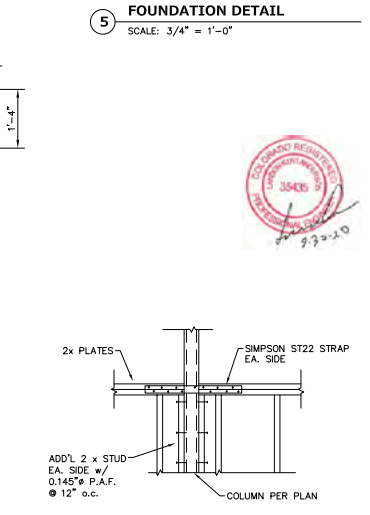
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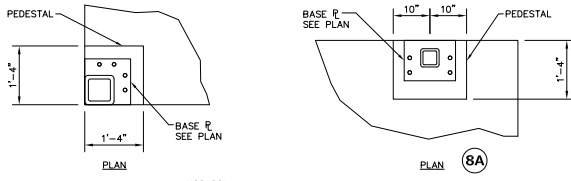
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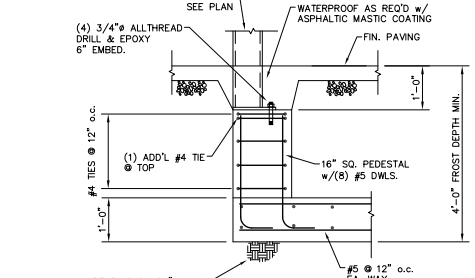
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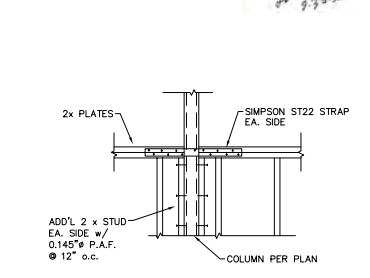
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9A

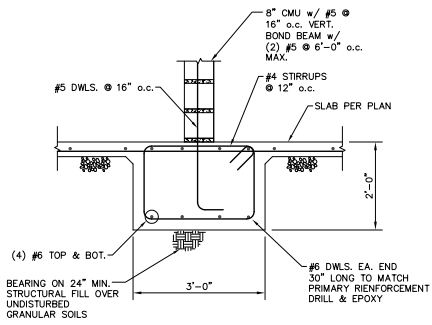


10 FOUNDATION DETAIL
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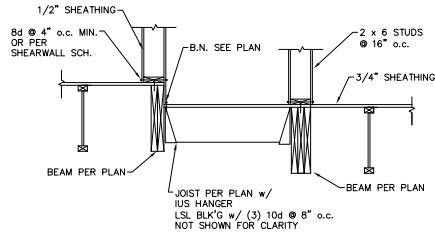


TYPICAL WALL PLATE SPLICE
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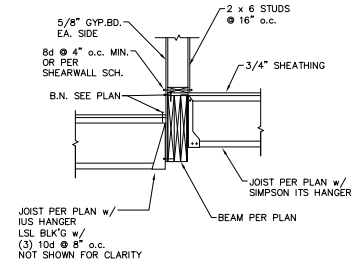




1 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



SECTION
2 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



SECTION
3 FLOOR FRAMING
SCALE: 3/4" = 1'-0"



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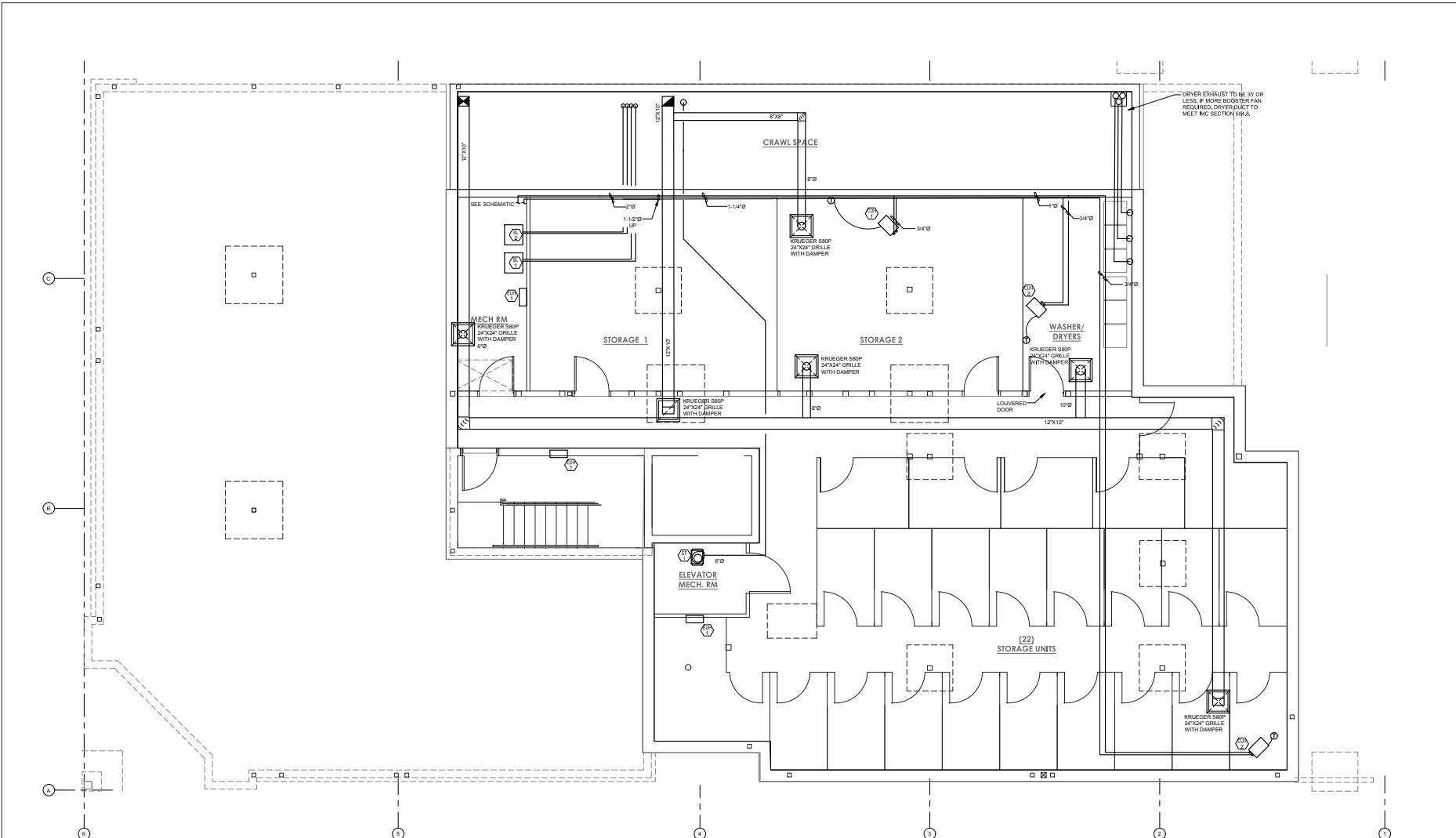
Revision	Date
CONSTRUCTION	9-30-20

**SECTIONS
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GENERAL NOTES

1. DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL.
2. ALL INSTALL TO BE COMPLETED IN ACCORDANCE WITH 2015 International Building Code, 2009 ICC Accessibility Standards, 2015 International Energy Conservation Code, 2017 National Electrical Code, 2015 International Mechanical Code, 2015 International Fuel Gas Code, 2015 International Plumbing Code.
3. ALL MECHANICAL PIPING TO BE INSULATED PER 2015 IECC SECTION 403.2.10
4. REFRIGERANT IS TO BE R410A AND CLASSIFIED AS AN A1 REFRIGERANT.
5. FACTORY BUILT REFRIGERATION COOLING EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH UL 1995, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND THE MANUFACTURER'S INSTRUCTIONS. THIS IS TO COMPLY WITH THE 2015 IMC SECTION 1101.2
6. FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555, AND BE INSTALLED AS REQUIRED BY IMC SECTION 607 AND THE MANUFACTURER'S INSTRUCTIONS AND LISTING.
7. VENTILATION FANS WITHIN EACH ELEVATOR CAB (WHERE THE ELEVATOR DOES NOT HAVE AN AIR-CONDITIONING SYSTEM) SHALL BE A MAXIMUM OF 30 WATTS PER CAB. ADDITIONALLY THE VENTILATION SYSTEM SHALL HAVE CONTROLS WHICH DE-ENERGIZE FAN AFTER ELEVATOR CABS HAVE BEEN UNOCCUPIED AND CLOSED FOR 15 MINUTES. REFER TO 2015 IECC SECTION C405.9.1.

MECHANICAL - LOWER LEVEL PLAN
 SCALE: 1/4"=1'-0"

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10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



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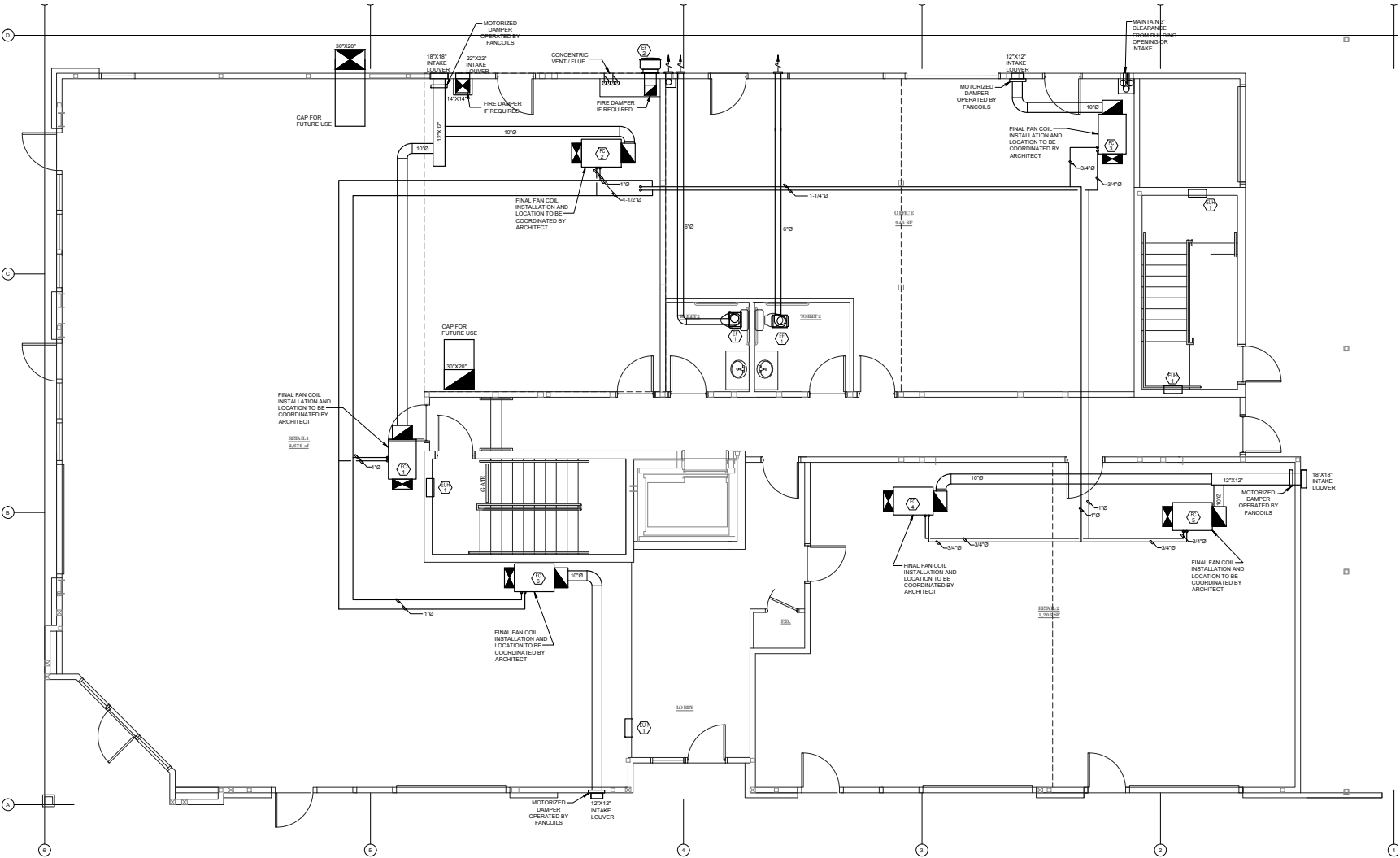
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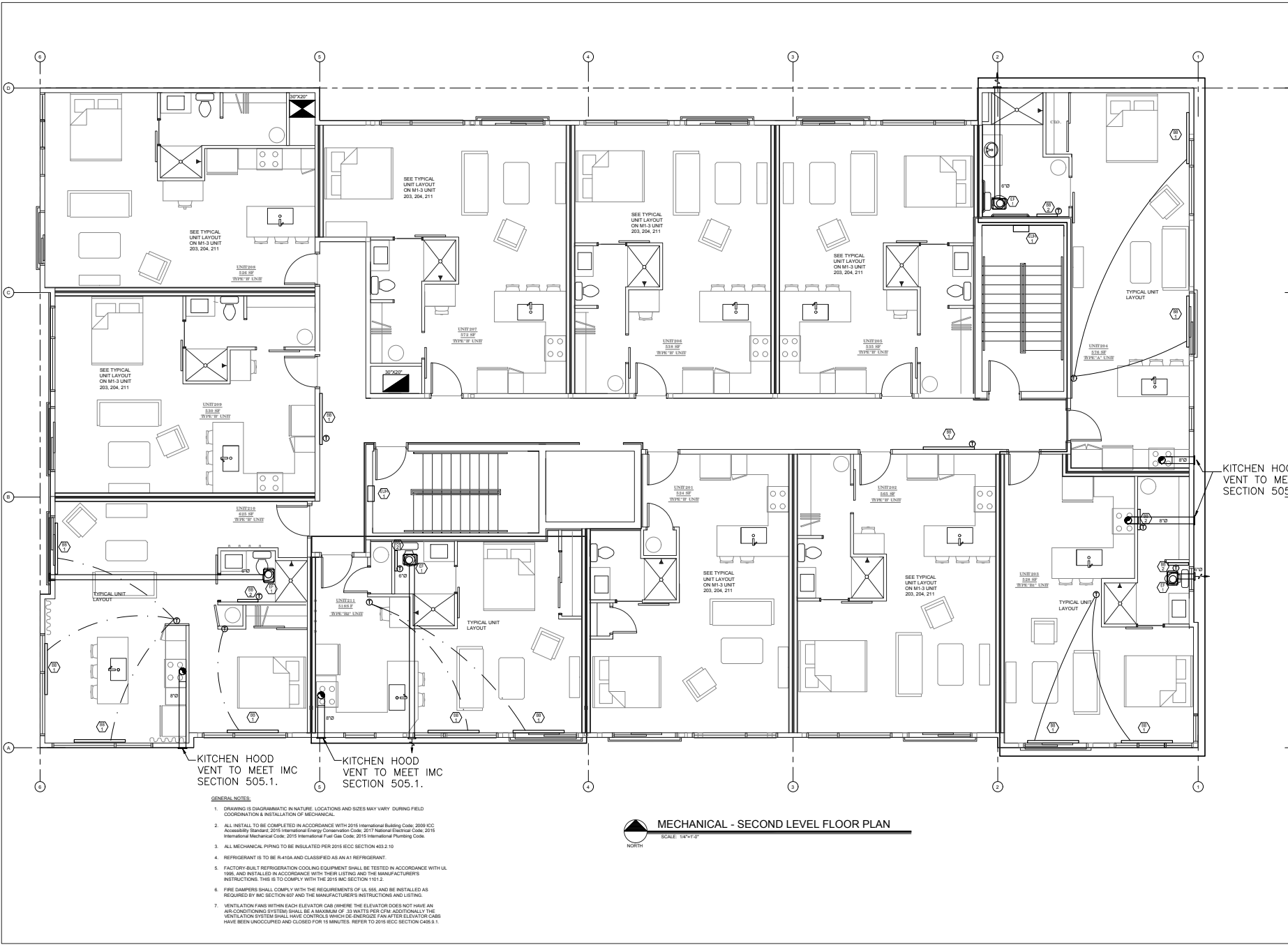
M1-2

October 19, 2020 - 3:10:46pm



MECHANICAL - FIRST LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH

- GENERAL NOTES:**
- DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL.
 - ALL INSTALL TO BE COMPLETED IN ACCORDANCE WITH 2015 International Building Code, 2009 ICC Accessibility Standards, 2015 International Energy Conservation Code, 2017 National Electrical Code, 2015 International Mechanical Code, 2015 International Fuel Gas Code, 2015 International Plumbing Code.
 - ALL MECHANICAL PIPING TO BE INSULATED PER 2015 IECC SECTION 403.2.10
 - REFRIGERANT IS TO BE R-410A AND CLASSIFIED AS AN A1 REFRIGERANT.
 - FACTORY-BUILT REFRIGERATION COOLING EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH UL 198, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND THE MANUFACTURER'S INSTRUCTIONS. THIS IS TO COMPLY WITH THE 2015 IMC SECTION 110.2.
 - FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF U. 555, AND BE INSTALLED AS REQUIRED BY IMC SECTION 607 AND THE MANUFACTURER'S INSTRUCTIONS AND LISTING.
 - VENTILATION FANS WITHIN EACH ELEVATOR CAB (WHERE THE ELEVATOR DOES NOT HAVE AN AIR CONDITIONING SYSTEM) SHALL BE A MAXIMUM OF 13 WATTS PER CFM. ADDITIONALLY, THE VENTILATION SYSTEM SHALL HAVE CONTROLS WHICH DE-ENERGIZE FAN AFTER ELEVATOR CABS HAVE BEEN UNOCCUPIED AND CLOSED FOR 15 MINUTES. REFER TO 2015 IECC SECTION C601.1.



- GENERAL NOTES:**
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 - ALL MECHANICAL PIPING TO BE INSULATED PER 2015 IECC SECTION 403.2.10
 - REFRIGERANT IS TO BE R-410A AND CLASSIFIED AS AN A1 REFRIGERANT.
 - FACTORY-BUILT REFRIGERATION COOLING EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH UL 1995, AND INSTALLED IN ACCORDANCE WITH THEIR LISTINGS AND THE MANUFACTURER'S INSTRUCTIONS. THIS IS TO COMPLY WITH THE 2015 IMC SECTION 1101.2.
 - FREE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 565, AND BE INSTALLED AS REQUIRED BY IMC SECTION 607 AND THE MANUFACTURER'S INSTRUCTIONS INCLUDING:
 - VENTILATION FANS WITHIN EACH ELEVATOR CAB (WHERE THE ELEVATOR DOES NOT HAVE AN AIR-CONDITIONING SYSTEM) SHALL BE A MAXIMUM OF 33 WATTS PER CFM. ADDITIONALLY THE VENTILATION SYSTEM SHALL HAVE CONTROLS WHICH DE-ENERGIZE FAN AFTER ELEVATOR CABS HAVE BEEN UNOCCUPIED AND CLOSED FOR 15 MINUTES. REFER TO 2015 IECC SECTION C405.9.1.

MECHANICAL - SECOND LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH

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10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED

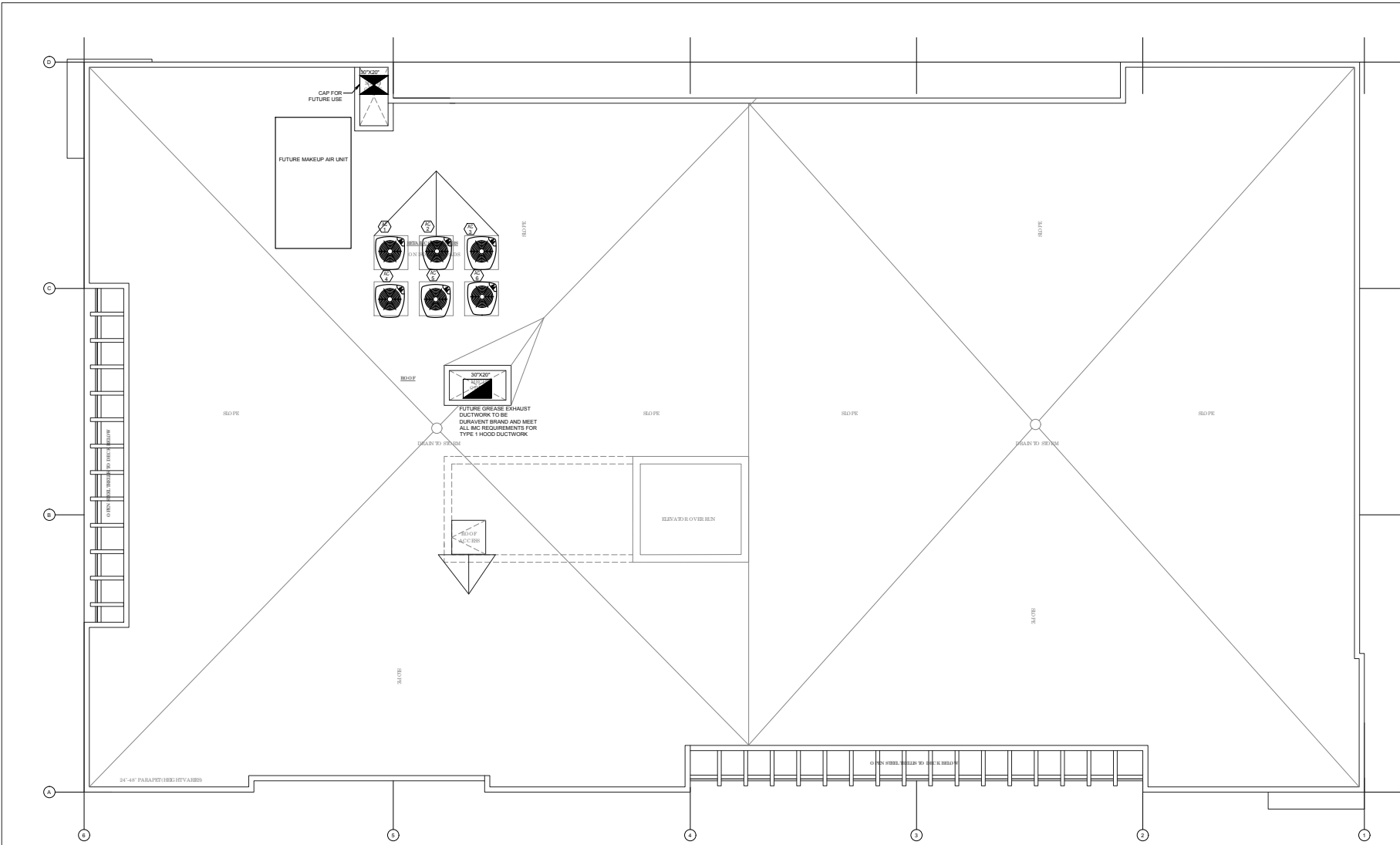


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 - ALL MECHANICAL PIPING TO BE INSULATED PER 2015 IECC SECTION 403.2.10.
 - REFRIGERANT IS TO BE R-410A AND CLASSIFIED AS AN A1 REFRIGERANT.
 - FACTORY-BUILT REFRIGERATION COOLING EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH UL 1996 AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND THE MANUFACTURER'S INSTRUCTIONS. THIS IS TO COMPLY WITH THE 2015 IMC SECTION 1103.2.
 - FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555 AND BE INSTALLED AS REQUIRED BY IMC SECTION 807 AND THE MANUFACTURER'S INSTRUCTIONS AND LISTING.
 - VENTILATION FANS WITHIN EACH ELEVATOR CAB WHERE THE ELEVATOR DOES NOT HAVE AN AIR-CONDITIONING SYSTEM SHALL BE A MAXIMUM OF 20 WATTS PER CFM. ADDITIONALLY THE VENTILATION SYSTEM SHALL HAVE CONTROLS WHICH DE-ENERGIZE FAN AFTER ELEVATOR CABS HAVE BEEN UNOCCUPIED AND CLOSED FOR 15 MINUTES. REFER TO 2015 IECC SECTION 405.9.1.

MECHANICAL - THIRD LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH



- GENERAL NOTES:**
- DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL.
 - ALL INSTALL TO BE COMPLETED IN ACCORDANCE WITH 2015 International Building Code, 2009 ICC Accessibility Standards, 2015 International Energy Conservation Code, 2017 National Electrical Code, 2015 International Mechanical Code, 2015 International Fuel Gas Code, 2015 International Plumbing Code.
 - ALL MECHANICAL PIPING TO BE INSULATED PER 2015 IECC SECTION 403.2.10
 - REFRIGERANT IS TO BE R-410A AND CLASSIFIED AS AN A1 REFRIGERANT.
 - FACTORY BUILT REFRIGERATION COOLING EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH UL 196, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND THE MANUFACTURER'S INSTRUCTIONS. THIS IS TO COMPLY WITH THE 2015 IECC SECTION 403.2.1
 - FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555, AND BE INSTALLED AS REQUIRED BY IECC SECTION 807 AND THE MANUFACTURER'S INSTRUCTIONS AND LISTING.
 - VENTILATION FANS WITHIN EACH ELEVATOR CAB (WHERE THE ELEVATOR DOES NOT HAVE AN AIR-CONDITIONING SYSTEM SHALL BE A MAXIMUM OF 30 WATTS PER CFM). ADDITIONALLY THE VENTILATION SYSTEM SHALL HAVE CONTROLS WHICH DE-ENERGIZE FAN AFTER ELEVATOR CABS HAVE BEEN UNOCCUPIED AND CLOSED FOR 15 MINUTES. REFER TO 2015 IECC SECTION C403.1.

MECHANICAL - ROOF PLAN
 SCALE: 1/4"=1'-0"
 NORTH

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DRAWN BY:	BCS
CHECKED BY:	BCS
SCALE:	AS SHOWN
SHEET NUMBER:	M1-5

MECHANICAL PROVISIONS

1. SCOPE OF WORK

- A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
- C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH DETERMINATIONS.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.

2. PERMITS

- A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY AND ALL FEES.

3. SHOP DRAWINGS

- A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT ELECTRONIC SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.

4. FLEXIBLE DUCT WORK - SUPPORT/HANG DUCTS ABOVE CEILING INSULATION, TYP:

- A. FLEXIBLE TYPE DUCT SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPIRAL AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY U.L. CLASS 1 DUCT AND SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.
- B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 4 LINEAR FEET PER RUN.
- C. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE FLEXIBLE DUCT.

5. REFRIGERANT

- A. PIPING CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A MANNER AS TO BE NON-CORROSIVE AND FREE FROM ANY POSSIBLE CONDENSATION.
- B. INSULATE REFRIGERANT LINES WITH AMORPHOUS FLEX TYPE INSULATION. SHALL BE TYPE "X" COPPER TUBING, WITH WROUGHT COPPER SOLDER TYPE FITTINGS SUITABLE FOR CONNECTION WITH SILVER SOLDER.
- C. DUCTWORK
 - A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS.
 - B. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
 - C. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS.
 - D. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS, SMOOTH TURN RADIIUS DUCTWORK OR TURNING LANCES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 100 CFM.
 - E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.
 - F. ALL DUCT DIMENSIONS SHOWN ARE NET OPEN INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
 - G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1" MIN. FIBERGLASS INSULATING BLANKET WITH ALUMINUM FOIL FACING OR 1-1/2" LINER ALL SEAMS SEALED.
 - H. ALL SUPPLY AND RETURN DUCTWORK IS FEET DOWNSTREAM OF THE HVAC UNIT SHALL BE INTERNALLY LINED WITH A 1/2" ACoustical DUCT LINER UNLESS OTHERWISE NOTED ON THE DRAWINGS.

7. DRAINAGE PIPING

- A. (CONDENSATE) SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT JOINTS. PITCH HORIZONTAL LINES 1/8" IN 10'. CONDENSATE DRAINS SHALL BE ROUTED TO FLOOR DRAIN, ROOF DRAIN OR INDIRECT WASTE DRAIN.

8. HVAC CONTROLS

- A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.

9. ELECTRICAL

- A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.

10. PIPE SUPPORTS

- A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 4 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.

11. GAS PIPING

- A. PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON FITTINGS WHERE GAS PIPE CONNECTS TO EQUIPMENT. IT SHALL BE PROVIDED WITH A DROP LEG THE FULL SIZE OF THE RUNOUT. A 100% SHUT-OFF VALVE AND A UNION GAS PIPING CONTAINING PRESSURE GREATER THAN 4" W.G. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH WELDED JOINTS.

12. MISCELLANEOUS

- A. ALL EXTERIOR OPENINGS TO BE PROPERLY CALKED AND SEALED WITH A RESILANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.
- B. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
- C. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS.
- D. VERIFY ALL DIMENSIONS CORRECTLY AT THE JOB SITE.
- E. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT.
- F. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.

13. TESTING AND BALANCING

- A. THE HVAC SYSTEM SHALL BE TESTED AND BALANCED BY AN INDEPENDENT AGENCY, UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEPALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.

14. GUARANTEE

- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
- B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

RESPONSIBLE DIVISION

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER	CONTROL
EQUIPMENT COMBINATION MAGNETIC MOTOR STARTERS AND CONTACTORS	23	23	26	-
FUSES AND UNFUSED DISCONNECT SWITCHES	23	26	26	23
MANUAL OPERATING AND HEATERS, MANUAL MOTOR STARTERS	24(1)	26(1)	26	-
CONTROLS, RELAYS, TRANSFORMERS	23	26	26	26
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLINOID VALVES, DAMPERS, MOTORS, P.E. & P SWITCHES	23	23(2)	-	23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)	-	23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

SUBSCRIPT FOOTNOTES:

- 1) UNDER DIVISION 21 IF FURNISHED FACTORY WIRED AS PART OF EQUIPMENT OR IF FURNISHED WITH COMBINATION STARTERS
- 2) IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. IF FACTORY WIRING IS ATTACHED TO EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23. CONNECT UNDER DIVISION 26.

FAN COIL SCHEDULE

EQUIPMENT NO.	SERVICE	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	SUPPLY AIR E.S.P. (IN. W.G.)	HOT WATER HEATING COIL				FILTERS	SUPPLY FAN (RPM)	ELECTRICAL			MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
					NOM. (TONS)	OUTPUT (MBH)	FLOW (GPM)	EWT (°F)			V./PH./HZ.	MCA	MOPP		
FC-1	RETAIL	1,600	320	1	4	57	3.8	140	MERV 13	0.75	120/1/60	10.5	15	FIRSTCOMPANY 16VMB	NOTE-1
FC-2	RETAIL	1,600	320	1	4	57	3.8	140	MERV 13	0.75	120/1/60	10.5	15	FIRSTCOMPANY 16VMB	NOTE-1
FC-3	RETAIL	800	240	1	2	33	2.2	140	MERV 13	0.33	120/1/60	5	6	FIRSTCOMPANY 8VMB	NOTE-1
FC-4	RETAIL	1,200	300	1	3	46	3.1	140	MERV 13	0.5	120/1/60	7.3	10	FIRSTCOMPANY 12VMB	NOTE-1
FC-5	RETAIL	1,200	300	1	3	46	3.1	140	MERV 13	0.5	120/1/60	7.3	10	FIRSTCOMPANY 12VMB	NOTE-1
FC-6	RETAIL	1,600	320	1	4	57	3.8	140	MERV 13	0.75	120/1/60	10.5	15	FIRSTCOMPANY 16VMB	NOTE-1

NOTES:

- 1. PROVIDE WITH MIXING SECTION, FILTERS AND RACK, DX COOLING COIL, ZN-250 CONTROLLER, AND RETURN AIR SMOKE DETECTOR WITH AUDIBLE AND VISUAL ALARM.

EXHAUST FAN SCHEDULE

EQUIPMENT NO.	SERVICE	LOCATION	CFM	EXTERNAL STATIC PRESS (IN. W.G.)	MOTOR				MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
					WATTS	HP	RPM	VOLTRANGE		
EF-1	RR	CEILING	50-70	0.2	-	-	-	120/1/60	PANASONIC FV-07VB11	NOTE-1
EF-2	STORAGE	WALL	500	0.5	-	0.13	###	115/1/60	GREENHECK CW 095	NOTE-2
SF-1	STORAGE	ROOF	500	0.5	-	0.50	###	115/1/60	GREENHECK AS-16-420-A5	NOTE-2

- 1. PROVIDE WITH POWER DISCONNECT AND 2 STAGE FAN FOR VENTILATION AND BATHROOM EXHAUST.
- 2. PROVIDE WITH MOTOR STARTER, POWER DISCONNECT, AND BELT DRIVEN VFD MOTOR FAN TO OPERATE CONTINUOUS.

PUMP SCHEDULE

EQUIPMENT NO.	SERVICE	LOCATION	GPM	HEAD (FT.)	MOTOR				MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
					RPM	V./PH./HZ.	HP	FLA		
CP-1	BOILER	MECH	15	20	V	120/1/60	0.20	-	TACO 2420	NOTE-1
CP-2	FANCOIL LOOP	MECH	22	20	V	120/1/60	0.20	-	TACO 2420	NOTE-1
CP-3	DOM HOT	MECH	8	10	V	120/1/60	0.20	-	TACO 2420	NOTE-1
SP-1	SANITARY	WATER ENTRY	100	15	V	230/1/60	2 @ 1	2 @ 12	LIBERTY - LEH102	NOTE-2
SP-2	ELEVATOR	ELEVATOR	50	15	V	115/1/60	0.75	10.4	LIBERTY - ELV-290	NOTE-3

- 1. PROVIDE WITH CAST IRON CASING, STAINLESS STEEL IMPELLER, FLANGED CONNECTIONS AND VFD. MOTOR HORSEPOWER SHALL BE GREATER THAN NON-OVERLOADING BRANE HORSEPOWER.
- 2. PROVIDE WITH POWER DISCONNECT, PUMP SYSTEM OR DUAL PUMP SYSTEM.
- 3. PROVIDE WITH OIL TIGHT CONTROL AND POWER DISCONNECT. PUMP SHALL ALARM WHEN OIL IS DETECTED AND PUMP AT ALL TIMES WHEN WATER IS DETECTED.

CABINET UNIT HEATER SCHEDULE

EQUIPMENT NO.	SERVICE	SUPPLY AIR (CFM)	HOT WATER HEATING HEATING			ELECTRICAL			MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
			OUTPUT (MBH)	FLOW (GPM)	EWT (°F)	V./PH./HZ.	MOP (A)	MCA (A)		
CUH-1	STORAGE	480	32.4	2.7	140	120/1/60	1.2	STERLING MESTEK 36	NOTE-1	
CUH-2	STORAGE	480	32.4	2.7	140	120/1/60	1.2	STERLING MESTEK 36	NOTE-1	
CUH-3	STORAGE	480	32.4	2.7	140	120/1/60	1.2	STERLING MESTEK 36	NOTE-1	

- 1. PROVIDE WITH DELUXE TWO WAY PIPING PACKAGE, TWO POSITION VALVE, INTEGRAL UNIT MOUNTED THERMOSTAT AND SWITCH, 1" THROW AWAY FILTERS, COLOR BY ARCHITECT.

ELECTRIC BASEBOARD SCHEDULE

EQUIPMENT NO.	SERVICE	LOCATION	LENGTH (FT)	HEAT OUTPUT (BTU)	ELECTRICAL		MANUFACTURER & MODEL	FINISH	OPTIONS/ACCESSORIES
					AMPS	V./PH./HZ.			
BB-1	RESIDENTIAL	WALL	5	4,250	11	120/1/60	RAYWALL 3700 SERIES	PER ARCH	NOTE-1
BB-2	RESIDENTIAL	WALL	2	1,275	3	120/1/60	RAYWALL 3700 SERIES	PER ARCH	NOTE-1

- 1. PROVIDE WITH POWER DISCONNECT, WALL MOUNTED THERMOSTAT AND MOUNTING KIT.

BOILER SCHEDULE

EQUIPMENT NO.	SERVICE	RWT CAPACITY (BTU/H)	OUTPUT CAPACITY (BTU/H)	BOILER VOLUME (GALLONS)	ELECTRICAL		MANUFACTURER & MODEL	OPTIONS/ACCESSORIES	
					AMPS	V./PH./HZ.			
BL-1	COMMERCIAL	270	254,000	5	3	15	120/1/60	US BOILER ASPEN 270	NOTE-1
BL-2	COMMERCIAL	270	254,000	5	3	15	120/1/60	US BOILER ASPEN 270	NOTE-1

- 1. SUPPLY FREQUENCY. PROVIDE WITH ASME RELIEF VALVE, COOL-1 CONTROLS, CONCENTRIC VENT KIT, LOW-WATER CUTOFF WITH MANUAL RESET & TEST, FLOW SWITCH, ADJUSTABLE HIGH-LIMIT WITH MANUAL RESET, MODULATING TEMPERATURE CONTROL, CONDENSATE NEUTRALIZING KIT, HIGH ALTRUDE KIT SIZED PER LOCATION, ELEVATOR, AND BLOWER MOTOR, TO COMPLY WITH EEC.

AIR COOLED CONDENSING UNIT SCHEDULE

EQUIPMENT NO.	SERVICE	NOMINAL COOLING CAPACITY (TON)	REFRIG. PIPING		ELECTRIC			MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
			LIQUID	VAPOR	V/PH/HZ	MOP (A)	MCA (A)		
CU-1	FC-1	4	3/8	7/8	230/1/60	29.1	50	LENNOX XC20	NOTE-1
CU-2	FC-2	4	3/8	7/8	230/1/60	29.1	50	LENNOX XC20	NOTE-1
CU-3	FC-3	2	3/8	3/4	230/1/60	18.1	30	LENNOX XC20	NOTE-1
CU-4	FC-4	3	3/8	7/8	230/1/60	20.6	30	LENNOX XC20	NOTE-1
CU-5	FC-5	3	3/8	7/8	230/1/60	20.6	30	LENNOX XC20	NOTE-1
CU-6	FC-6	4	3/8	7/8	230/1/60	29.1	50	LENNOX XC20	NOTE-1

- 1. PROVIDE LINE SET AS RECOMMENDED BY MANUFACTURER, HOUSEKEEPING PAD, ISOLATION VALVES, POWER DISCONNECT AND HAIL GUARD KIT.

ELECTRIC UNIT HEATER SCHEDULE

EQUIPMENT NO.	SERVICE	RPM	KW	FULL LOAD AMPS (FLA)	V/PH/HZ	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES

- 1. PROVIDE WITH MOUNTING KIT, POWER DISCONNECT AND INTEGRAL THERMOSTAT.

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M2-1

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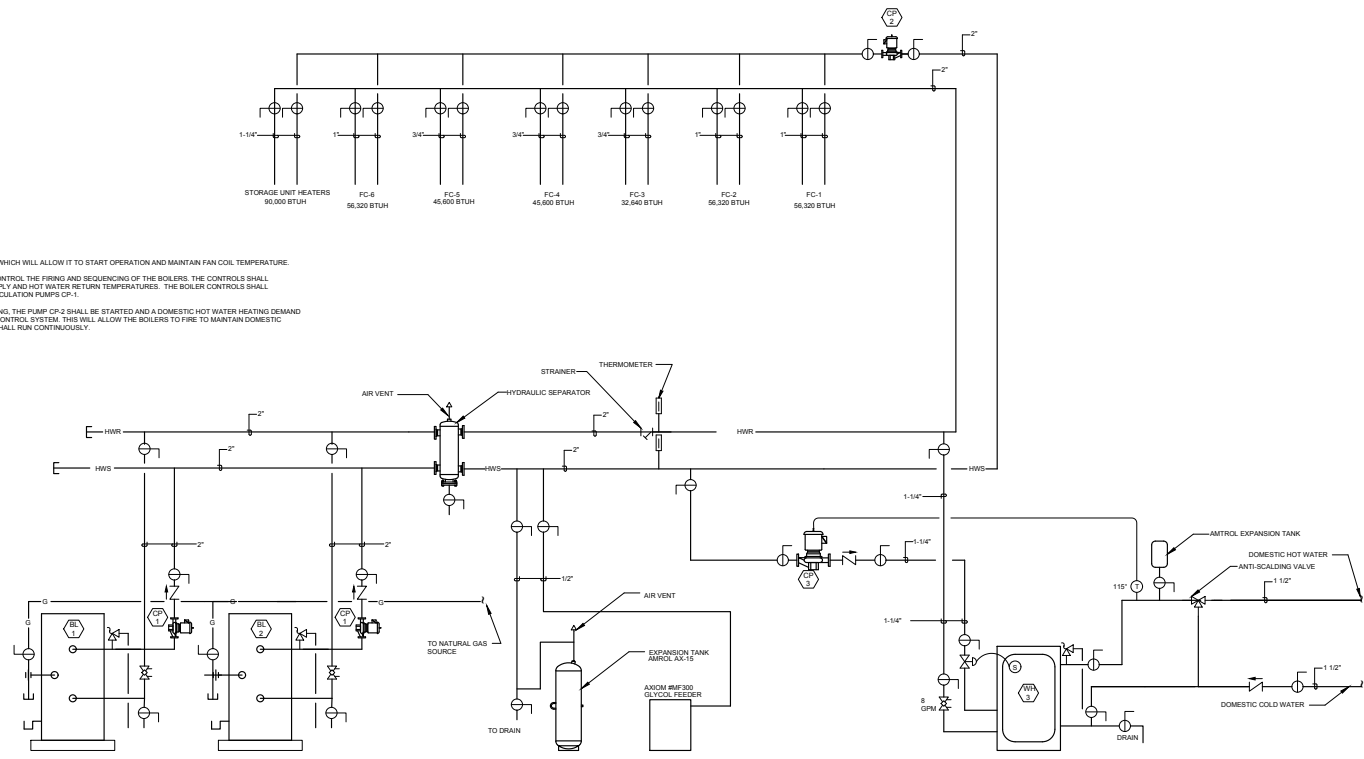
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SEQUENCE OF OPERATION

CP-5 SHALL RECEIVE A DEMAND SIGNAL WHICH WILL ALLOW IT TO START OPERATION AND MAINTAIN FAN COIL TEMPERATURE.

THE BOILER CONTROL SYSTEM SHALL CONTROL THE FIRING AND SEQUENCING OF THE BOILERS. THE CONTROLS SHALL MONITOR OUTSIDE AIR, HOT WATER SUPPLY AND HOT WATER RETURN TEMPERATURES. THE BOILER CONTROLS SHALL START/STOP THE INDIVIDUAL BOILER CIRCULATION PUMPS CP-1.

ON A CALL FOR DOMESTIC WATER HEATING, THE PUMP CP-3 SHALL BE STARTED AND A DOMESTIC HOT WATER HEATING DEMAND SIGNAL SHALL BE SENT TO THE BOILER CONTROL SYSTEM. THIS WILL ALLOW THE BOILERS TO FIRE TO MAINTAIN DOMESTIC WATER HEATING PRIORITY. PUMP CP-2 SHALL RUN CONTINUOUSLY.

BUILDING HEATING BOILER PIPING DETAIL

SCALE: NTS
 NOTE: FINAL FILL OF SYSTEM SHALL BE WITH SOLUTION OF 30% PROPYLENE GLYCOL.

GENERAL NOTES:

1. ALL PIPE PENETRATIONS THROUGH FIRE-RESISTANCE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IBC SECTION 714.
2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE ROOF) SHALL BE NO MORE THAN 3'-10" ABOVE SUCH SURFACES. PIPING SHALL ALSO BE SECURELY SUPPORTED AND LOCATED WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 404.9.
3. ENSURE GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
4. ALL GAS VALVES TO BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1 AND TABLE 409.1.1.
5. ALL GAS REGULATORS TO COMPLY WITH 2015 IFGC SECTION 416.1.
6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1'-10" FROM THE NEAREST EDGE OF THE MEMBER.
7. CONTRACTOR TO SUBMIT PLUMBING DETAILS TO ENGINEERING JURISDICTION PRIOR TO INSTALLATION.
8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IPC SECTIONS 605.4 AND 605.5.
9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IPC SECTION 606.2.
10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IPC SECTION 802.1.6.
11. ROOF DRAINS ARE TO CONFORM WITH 2015 IPC SECTION 1102.6.
12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IPC SECTION 604.9.
13. SUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IPC SECTION 606.5.

FLAG NOTES:

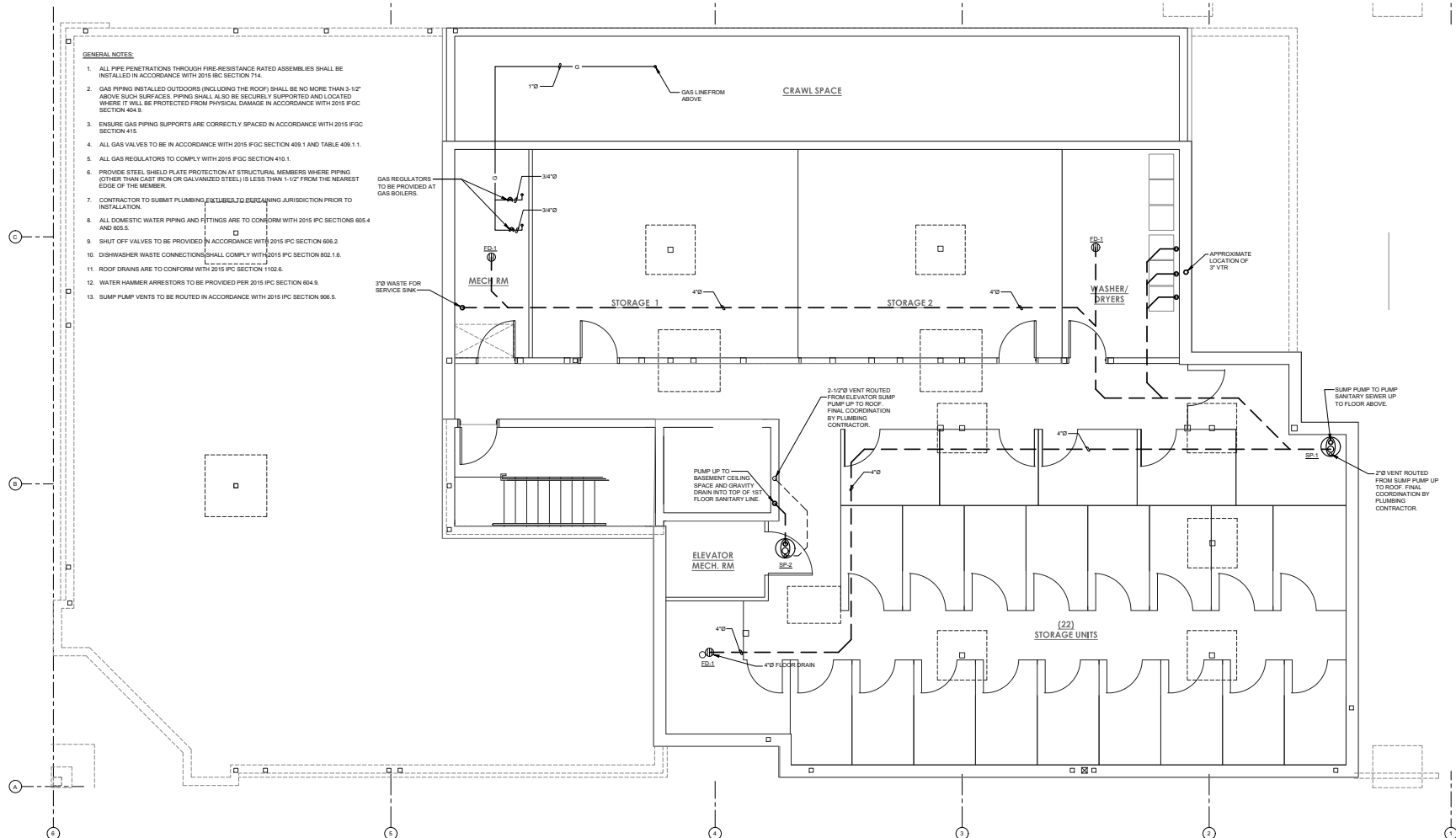
1. 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
2. UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
3. SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
4. SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
5. SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
6. 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
7. 1" COLD WATER FROM BELOW.
8. 2-1/2" COLD WATER FROM BELOW.
9. NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR -579 CH. APPROXIMATE LONGEST LINE LENGTH OF 100 FEET. GAS LINE SIZES AT 2 PSIG PRESSURE PER 2018 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
10. PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 85° F AND 110° F AND CONFORMS TO ASSE 1070.



PLUMBING - SANITARY LOWER LEVEL PLAN

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

NORTH



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Big Horn Consulting Engineers, Inc.
 Mechanical & Electrical Engineers
 388 Indian Road
 Grand Junction, CO 81501
 Phone: 970-241-8769

BROADWAY STATION
115 SECOND STREET
 EAGLE, COLORADO 81631
 TOWN OF EAGLE

DATE	ISSUED FOR:
04/28/2020	PERMIT SET
09/15/2020	PERMIT REVISED
10/16/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



DATE:	10/19/2020
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SCALE:	AS SHOWN
SHEET NUMBER:	

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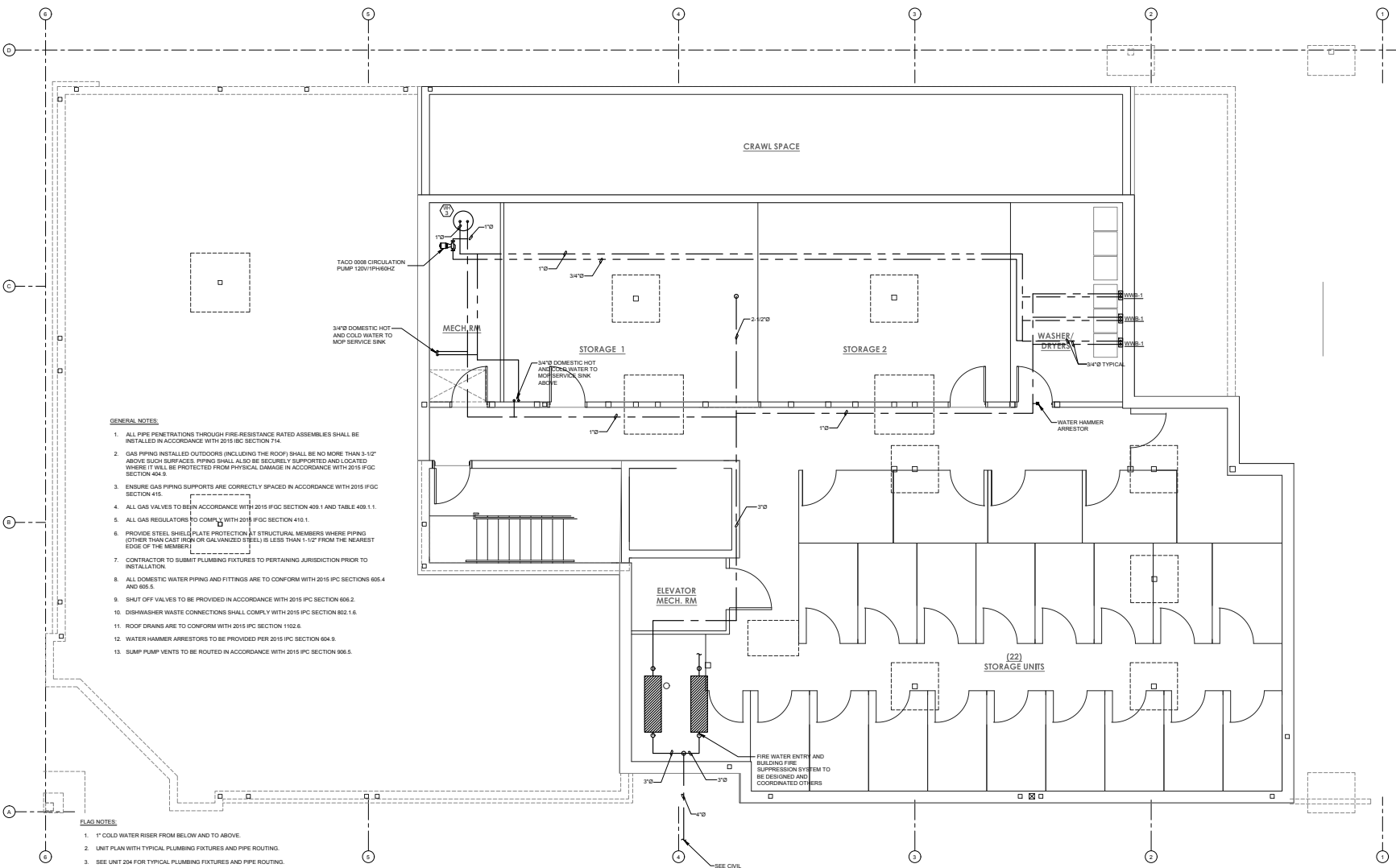
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SHEET NUMBER	P1-2

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- GENERAL NOTES:**
1. ALL PIPE PENETRATIONS THROUGH FIRE-RESISTANCE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IBC SECTION 714.
 2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE ROOF) SHALL BE NO MORE THAN 3'-1/2" ABOVE SUCH SURFACES. PIPING SHALL ALSO BE SECURELY SUPPORTED AND LOCATED WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 404.3.
 3. EXPOSED GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
 4. ALL GAS VALVES TO BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1 AND TABLE 409.1.1.
 5. ALL GAS REGULATORS TO COMPLY WITH 2015 IFGC SECTION 410.1.
 6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1'-1/2" FROM THE NEAREST EDGE OF THE MEMBER.
 7. CONTRACTOR TO SUBMIT PLUMBING FIXTURES TO PERTAINING JURISDICTION PRIOR TO INSTALLATION.
 8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IPC SECTIONS 605.4 AND 605.5.
 9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IPC SECTION 606.2.
 10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IPC SECTION 802.1.6.
 11. ROOF DRAINS ARE TO CONFORM WITH 2015 IPC SECTION 1102.6.
 12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IPC SECTION 604.9.
 13. SUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IPC SECTION 606.5.

- FLAG NOTES:**
1. 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
 2. UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 3. SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 4. SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 5. SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 6. 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
 7. 1" COLD WATER FROM BELOW.
 8. 2-1/2" COLD WATER FROM BELOW.
 9. NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR -2678 CFH, APPROXIMATE LONGEST LINE LENGTH OF 180 FEET. GAS LINE SIZED AT 2 PSI PRESSURE PER 2015 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
 10. PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 85° F AND 110° F AND CONFORMS TO ASSE 1070.

PLUMBING - DOMESTIC LOWER LEVEL PLAN
 SCALE: 1/4"=1'-0"
 NORTH

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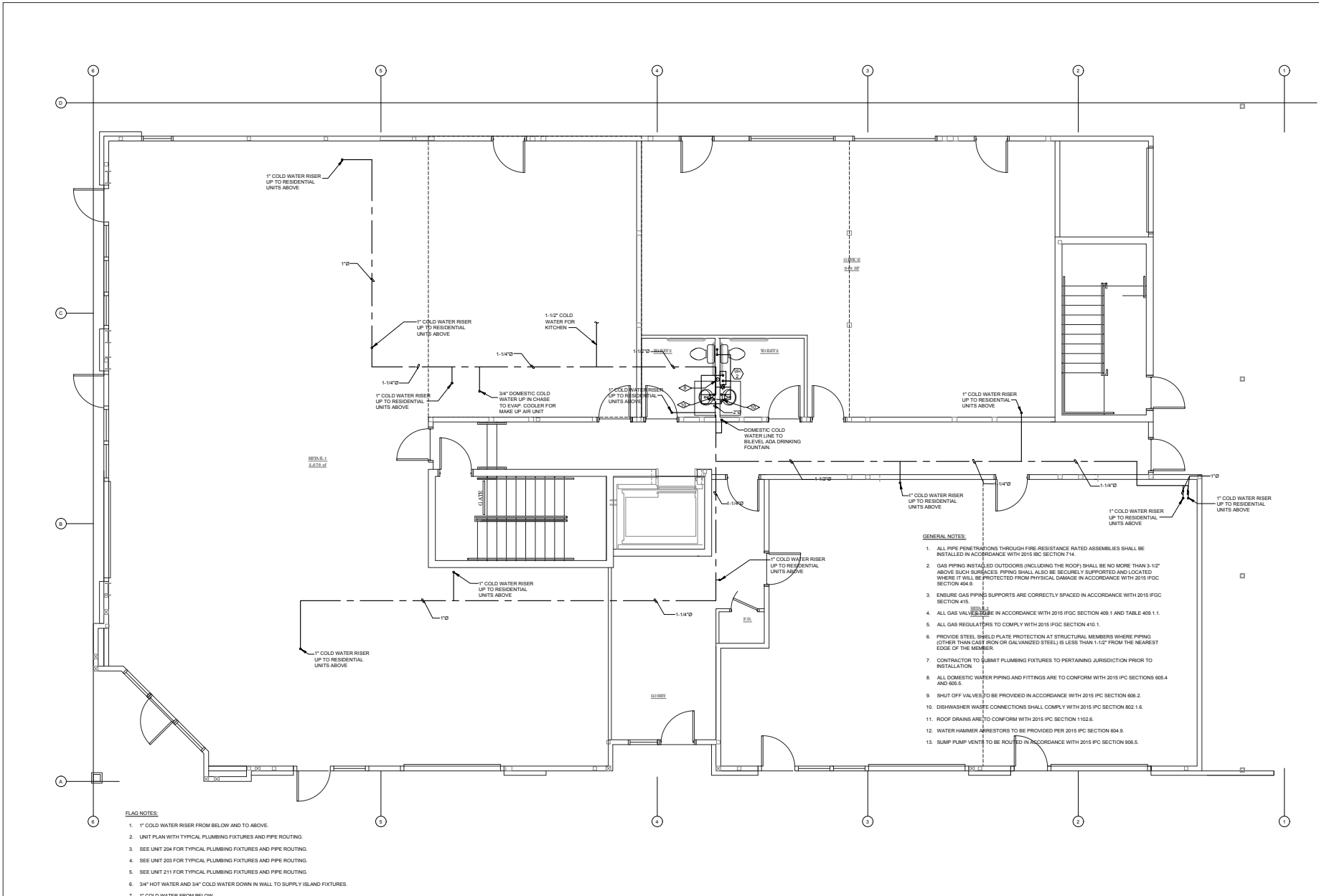
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115 SECOND STREET
 EAGLE, COLORADO 81631
 TOWN OF EAGLE

DATE	ISSUED FOR
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09/15/2020	PERMIT REVISED
10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



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SCALE	AS SHOWN
SHEET NUMBER	P1-4

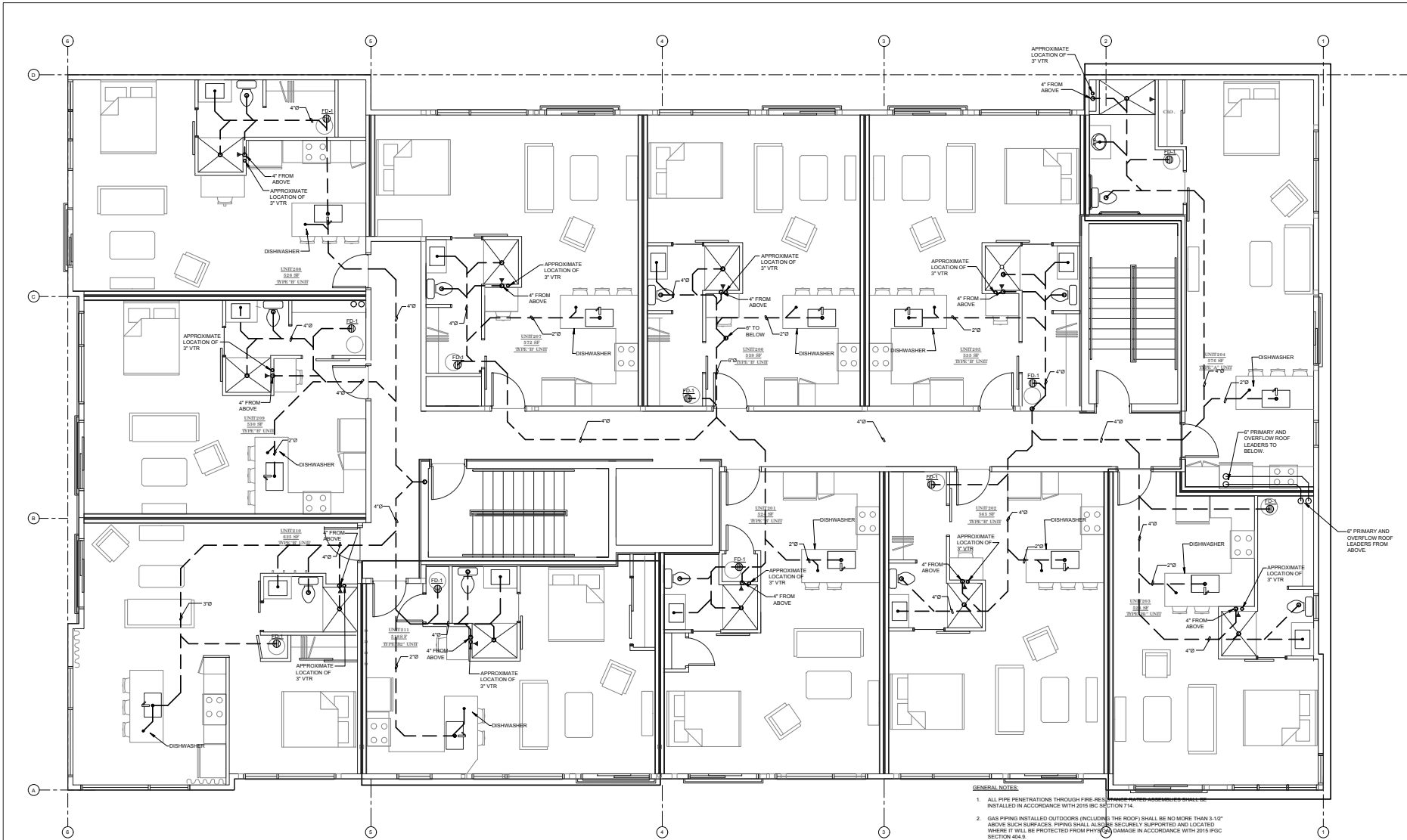
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- FLAG NOTES:**
1. 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
 2. UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 3. SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 4. SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 5. SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 6. 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
 7. 1" COLD WATER FROM BELOW.
 8. 2-1/2" COLD WATER FROM BELOW.
 9. NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR -2578 CFH APPROXIMATE LONGEST LINE LENGTH OF 100 FEET. GAS LINE SIZED AT 2 PSI PRESSURE PER 2015 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
 10. PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 85° F AND 120° F AND CONFORMS TO ASSE 1070.

PLUMBING - DOMESTIC FIRST LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH

- GENERAL NOTES:**
1. ALL PIPE PENETRATIONS THROUGH FIRE-RESISTANCE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IFGC SECTION 774.
 2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE ROOF) SHALL BE NO MORE THAN 3'-10" ABOVE SUCH SURFACES. PIPING SHALL ALSO BE SECURELY SUPPORTED AND LOCATED WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 404.9.
 3. ENSURE GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
 4. ALL GAS VALVES SHALL BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1 AND TABLE 409.1.1.
 5. ALL GAS REGULATORS TO COMPLY WITH 2015 IFGC SECTION 410.1.
 6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1'-1/2" FROM THE NEAREST EDGE OF THE MEMBER.
 7. CONTRACTOR TO SUBMIT PLUMBING FIXTURES TO PERTAINING JURISDICTION PRIOR TO INSTALLATION.
 8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IFGC SECTIONS 605.4 AND 605.5.
 9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IFGC SECTION 606.2.
 10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IFGC SECTION 802.1.6.
 11. ROOF DRAINS ARE TO CONFORM WITH 2015 IFGC SECTION 1102.6.
 12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IFGC SECTION 604.9.
 13. SUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IFGC SECTION 906.5.



FLAG NOTES:

- 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
- UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
- SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
- SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
- SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
- 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
- 1" COLD WATER FROM BELOW.
- 2-1/2" COLD WATER FROM BELOW.
- NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR -3678 CFH APPROXIMATE LONGEST LINE LENGTH OF 100 FEET. GAS LINE SIZED AT 2 PSI PRESSURE PER 2018 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
- PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 85° F AND 110° F AND CONFORMS TO ASSE 1070.

GENERAL NOTES:

1. ALL PIPE PENETRATIONS THROUGH FIRE RESISTIVE WALLS/FLOOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IBC SECTION 714.
2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE ROOF) SHALL BE NO MORE THAN 3-1/2" ABOVE SUCH SURFACES. PIPING SHALL ALSO BE SECURELY SUPPORTED AND LOCATED WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 604.6.
3. ENSURE GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
4. ALL GAS VALVES TO BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1 AND TABLE 409.1.1.
5. ALL GAS REGULATORS TO COMPLY WITH 2015 IFGC SECTION 410.1.
6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1-1/2" FROM THE NEAREST EDGE OF THE MEMBER.
7. CONTRACTOR TO SUBMIT PLUMBING FIXTURES TO PERTAINING JURISDICTION PRIOR TO INSTALLATION.
8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IPC SECTIONS 605.4 AND 605.5.
9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IPC SECTION 606.2.
10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IPC SECTION 602.1.6.
11. ROOF DRAINS ARE TO CONFORM WITH 2015 IPC SECTION 1102.6.
12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IPC SECTION 604.9.
13. SUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IPC SECTION 906.5.

PLUMBING - SANITARY SECOND LEVEL FLOOR PLAN
SCALE: 1/4"=1'-0"
NORTH

DO NOT REMOVE THESE DIMENSIONS AND NOTATIONS SINCE THEY ARE REQUIRED FOR THE PROVISION OF THE WORK AND SHALL BE KEPT FOR THE PURPOSES OF THE PROJECT RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND LOCATIONS.

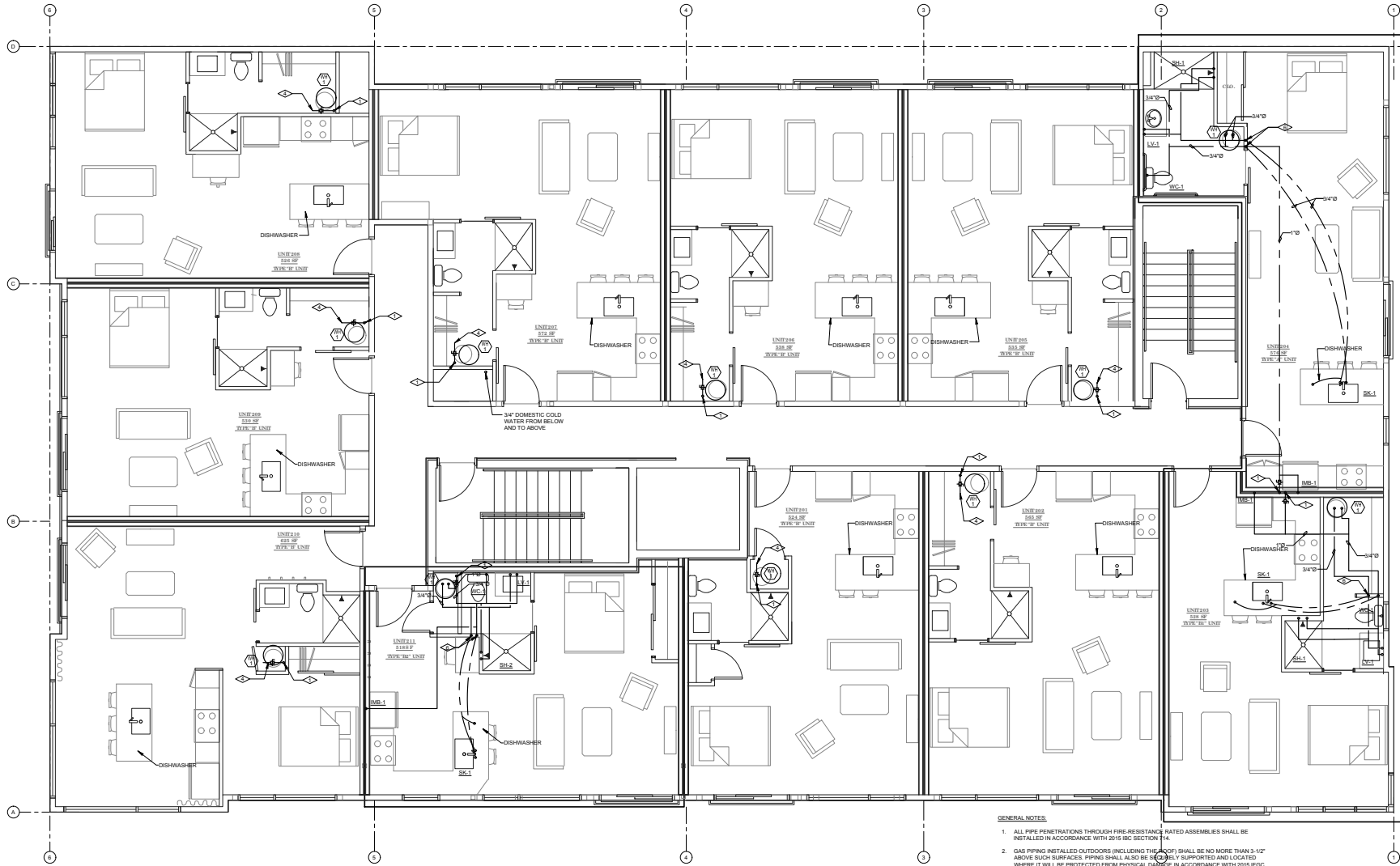
Bighorn Consulting Engineers, Inc.
Mechanical & Electrical Engineers
388 Indian Road
Grand Junction, CO 81501
Phone: 970-241-8769

BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

DATE	ISSUED FOR:
04/28/2020	PERMIT SET
09/15/2020	PERMIT REVISED
10/16/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



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SHEET NUMBER:	P1-5



FLAG NOTES:

1. 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
2. UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
3. SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
4. SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
5. SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
6. 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
7. 1" COLD WATER FROM BELOW.
8. 2-1/2" COLD WATER FROM BELOW.
9. NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR ~2578 CFH, APPROXIMATE LONGEST LINE LENGTH OF 100 FEET. GAS LINE SIZED AT 2 PSI PRESSURE PER 2018 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
10. PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 80° F AND 110° F AND CONFORMS TO ASSE 1076.



PLUMBING - DOMESTIC SECOND LEVEL FLOOR PLAN

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

GENERAL NOTES:

1. ALL PIPE PENETRATIONS THROUGH FIRE-RESISTANCE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IBC SECTION 714.
2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE ROOF) SHALL BE NO MORE THAN 3'-1/2" ABOVE SURFACES. PIPING SHALL ALSO BE PROTECTED FROM PHYSICAL DAMAGE WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 604.9.
3. ENSURE GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
4. ALL GAS VALVES TO BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1.1 AND TABLE 409.1.1.
5. ALL GAS REGULATORS TO COMPLY WITH 2015 IFGC SECTION 410.1.
6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1'-0" FROM THE NEAREST EDGE OF THE MEMBER.
7. CONTRACTOR TO SUBMIT PLUMBING FIXTURES TO PERTAINING JURISDICTION PRIOR TO INSTALLATION.
8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IPC SECTIONS 605.4 AND 605.5.
9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IPC SECTION 606.2.
10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IPC SECTION 602.1.6.
11. ROOF DRAINS ARE TO CONFORM WITH 2015 IPC SECTION 1102.6.
12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IPC SECTION 604.9.
13. SUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IPC SECTION 906.5.

DO NOT REMOVE THESE DIMENSIONS AND NOTATIONS SINCE THEY ARE NECESSARY TO VERIFY THE ACCURACY OF THE WORK AND TO BE USED FOR THE PURPOSES OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE DIMENSIONS AND NOTATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE DIMENSIONS AND NOTATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE DIMENSIONS AND NOTATIONS.

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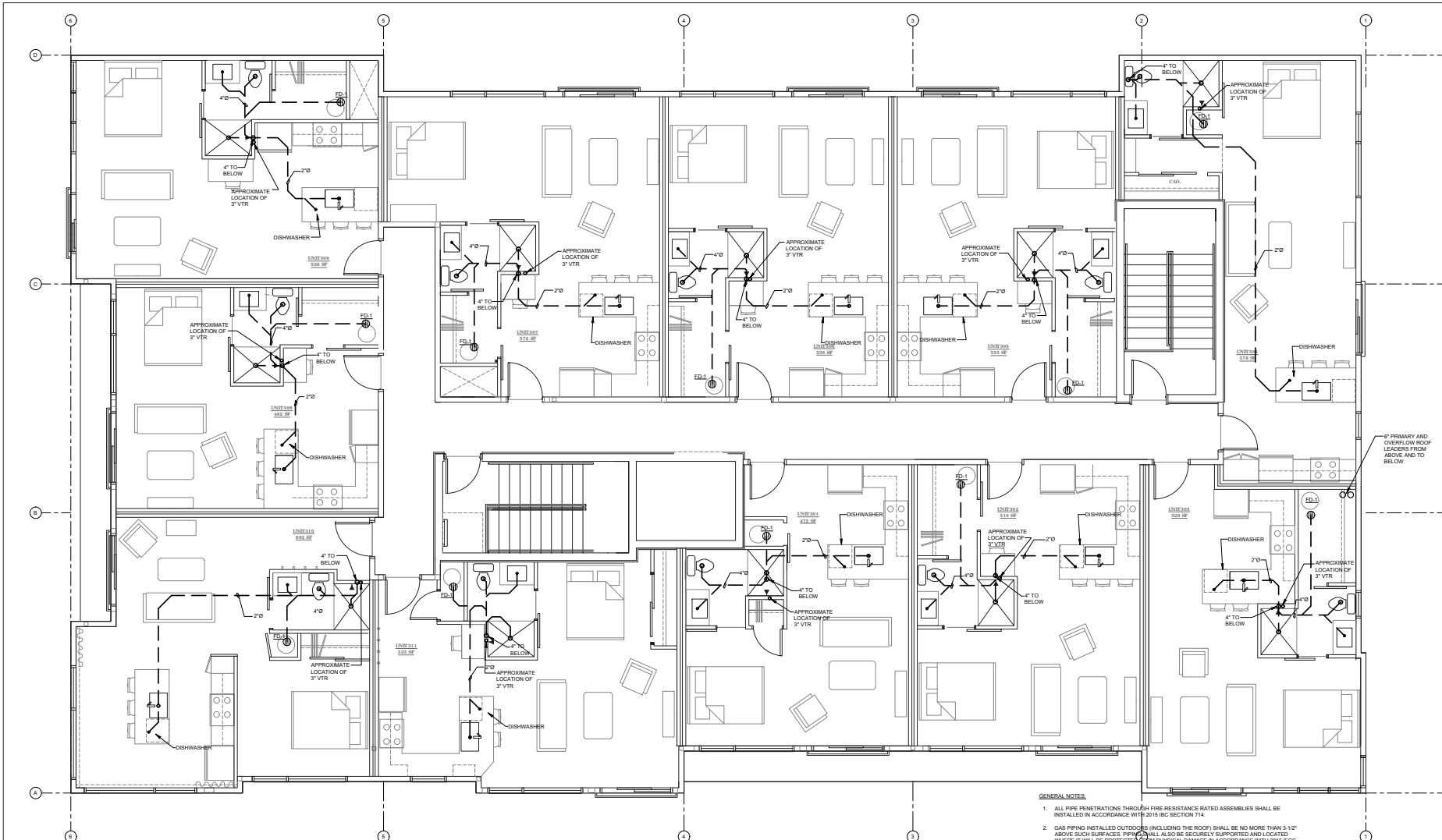
BROADWAY STATION
115 SECOND STREET
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10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



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P1-6



- FLAG NOTES:**
- 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
 - UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
 - 1" COLD WATER FROM BELOW.
 - 2 1/2" COLD WATER FROM BELOW.
 - NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR -2578 CFH. APPROXIMATE LONGEST LINE LENGTH OF 100 FEET. GAS LINE SIZED AT 2 PSI PRESSURE PER 2018 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
 - PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 89° F AND 110° F AND CONFORMS TO ASSE 1070.

- GENERAL NOTES:**
1. ALL PIPE PENETRATIONS THROUGH FIRE-RESISTANCE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IPC SECTION 714.
 2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE ROOF) SHALL BE NO MORE THAN 3 1/2" ABOVE SUCH SURFACES. PIPING SHALL ALSO BE SECURELY SUPPORTED AND LOCATED WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 404.B.
 3. ENSURE GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
 4. ALL GAS VALVES TO BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1 AND TABLE 409.1.1.
 5. ALL GAS REGULATORS TO COMPLY WITH 2015 IPC SECTION 410.1.
 6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1 1/2" FROM THE NEAREST EDGE OF THE MEMBER.
 7. CONTRACTOR TO SUBMIT PLUMBING FIXTURES TO PERTAINING JURISDICTION PRIOR TO INSTALLATION.
 8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IPC SECTIONS 605.4 AND 605.5.
 9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IPC SECTION 606.2.
 10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IPC SECTION 802.1.6.
 11. ROOF DRAINS ARE TO CONFORM WITH 2015 IPC SECTION 1102.6.
 12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IPC SECTION 604.9.
 13. SLUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IPC SECTION 906.5.



PLUMBING - SANITARY THIRD LEVEL FLOOR PLAN

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

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TOWN OF EAGLE

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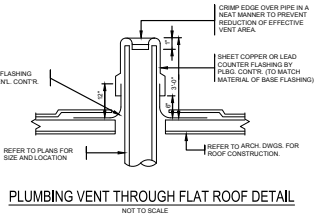
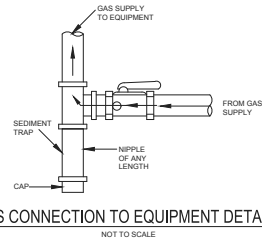
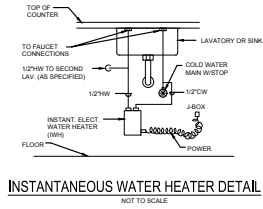


- FLAG NOTES:**
- 1" COLD WATER RISER FROM BELOW AND TO ABOVE.
 - UNIT PLAN WITH TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - SEE UNIT 204 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - SEE UNIT 203 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - SEE UNIT 211 FOR TYPICAL PLUMBING FIXTURES AND PIPE ROUTING.
 - 3/4" HOT WATER AND 3/4" COLD WATER DOWN IN WALL TO SUPPLY ISLAND FIXTURES.
 - 1" COLD WATER FROM BELOW.
 - 2-1/2" COLD WATER FROM BELOW.
 - NEW GAS METER, APPROXIMATE TOTAL LOAD IS 2140 MBH OR -2078 CFH, APPROXIMATE LONGEST LINE LENGTH OF 100 FEET. GAS LINE SIZES AT 2 PSI PRESSURE PER 2015 IFGC. CONFIRM TOTAL GAS LOAD WITH OWNER. PROVIDE GAS REGULATORS AT ALL GAS EQUIPMENT.
 - PUBLIC LAVATORIES TO BE PROVIDED WITH MIXING VALVE THAT SUPPLIES TEMPERED WATER BETWEEN 85° F AND 110° F AND CONFORMS TO ASSE 1070.

- GENERAL NOTES:**
1. ALL PIPE PENETRATIONS THROUGH FIRE-RESISTANCE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IBC SECTION 714.
 2. GAS PIPING INSTALLED OUTDOORS (INCLUDING THE RCP) SHALL BE NO MORE THAN 3-1/2" ABOVE SUCH SURFACES. PIPING SHALL ALSO BE SECURELY SUPPORTED AND LOCATED WHERE IT WILL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH 2015 IFGC SECTION 404.9.
 3. ENSURE GAS PIPING SUPPORTS ARE CORRECTLY SPACED IN ACCORDANCE WITH 2015 IFGC SECTION 415.
 4. ALL GAS VALVES TO BE IN ACCORDANCE WITH 2015 IFGC SECTION 409.1 AND TABLE 409.1.1.
 5. ALL GAS REGULATORS TO COMPLY WITH 2015 IFGC SECTION 410.1.
 6. PROVIDE STEEL SHIELD PLATE PROTECTION AT STRUCTURAL MEMBERS WHERE PIPING (OTHER THAN CAST IRON OR GALVANIZED STEEL) IS LESS THAN 1-1/2" FROM THE NEAREST EDGE OF THE MEMBER.
 7. CONTRACTOR TO SUBMIT PLUMBING FIXTURES TO PERTAINING JURISDICTION PRIOR TO INSTALLATION.
 8. ALL DOMESTIC WATER PIPING AND FITTINGS ARE TO CONFORM WITH 2015 IPC SECTIONS 605.4 AND 605.5.
 9. SHUT OFF VALVES TO BE PROVIDED IN ACCORDANCE WITH 2015 IPC SECTION 606.2.
 10. DISHWASHER WASTE CONNECTIONS SHALL COMPLY WITH 2015 IPC SECTION 802.1.6.
 11. ROOF DRAINS ARE TO CONFORM WITH 2015 IPC SECTION 1102.6.
 12. WATER HAMMER ARRESTORS TO BE PROVIDED PER 2015 IPC SECTION 604.9.
 13. SUMP PUMP VENTS TO BE ROUTED IN ACCORDANCE WITH 2015 IPC SECTION 306.5.

PLUMBING - DOMESTIC THIRD LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH

PLUMBING FIXTURE SCHEDULE									
FIXTURE NO.	DESCRIPTION	MANUFACTURER	MODEL	TRIM	PIPING CONNECTIONS				OPTIONS/ACCESSORIES
					SW	VENT	C.W.	HW	
FD-1	FLOOR DRAIN	BY OWNER	BY OWNER	-	3"	2"	-	-	FLOOR DRAINS TO BE PROVIDED WITH QUAD CLOSE TRAP SEAL.
FB-1	FREEZE PROOF HOSE BIB	BY OWNER	BY OWNER	-	-	-	3/4"	-	BY OWNER
LV-1	WALL MOUNTED BATHROOM SINK	BY OWNER	BY OWNER	-	1 1/2"	1 1/2"	1/2"	1/2"	BY OWNER
MS-1	MOP SERVICE SINK	BY OWNER	BY OWNER	-	3"	1-1/2"	1/2"	1/2"	BY OWNER
ORD-1	OVERFLOW ROOF DRAIN	BY OWNER	BY OWNER	-	SEE PLAN	-	-	-	BY OWNER
RD-1	PRIMARY ROOF DRAIN	BY OWNER	BY OWNER	-	SEE PLAN	-	-	-	BY OWNER
SK-1	1 COMPARTMENT SINK	BY OWNER	BY OWNER	-	1 1/2"	1 1/2"	1/2"	1/2"	BY OWNER
SH-1	ADA SHOWER ENCLOSURE	BY OWNER	BY OWNER	-	1-1/2"	1-1/2"	1/2"	1/2"	BY OWNER
SH-2	ADA SHOWER ENCLOSURE	BY OWNER	BY OWNER	-	1-1/2"	1-1/2"	1/2"	1/2"	BY OWNER
GI-1	GREASE INTERCEPTOR	BY OWNER	BY OWNER	-	4"	2"	-	-	BY OWNER
WB-1	REFRIGERATOR WALL BOX	BY OWNER	BY OWNER	-	-	-	1/2"	-	BY OWNER
WSB-1	WASHER SUPPLY BOX	BY OWNER	BY OWNER	-	2"	-	1/4"	1/4"	BY OWNER
WC-1	ADA WATER CLOSET	BY OWNER	BY OWNER	-	4"	2"	1-1/2"	-	BY OWNER



INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE									
EQUIPMENT NO.	RECOVERY @ 75 DEG. F. RISE (GPM)	MIN. WATER FLOW GPM	BTU/H	KW	WATER CONN.	V/PH/Hz	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES	
WH-2	1.1	-	25,600	7.2	3/4"	240/1/60	BOSCH - US7	NOTE-1	

NOTES:
1. PROVIDE POWER DISCONNECT AND MOUNTING KIT.

INDIRECT WATER HEATER SCHEDULE									
EQUIPMENT NO.	CAPACITY	RECOVERY @ 90 DEG. F. RISE	BTU PER HR.	BOILER CONNECTION	WATER CONNECTION	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES		
WH-3	67	-	154,000	1"	1"	LOCHINVAR - SIT065	NOTE-1		

NOTES:
1. PROVIDE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE AND PIPE DISCHARGE FULL SIZE TO FLOOR DRAIN VIA AIR GAP.

ELECTRIC WATER HEATER SCHEDULE									
EQUIPMENT NO.	CAPACITY	RECOVERY @ 90 DEG. F. RISE	BTU/H	WATER CONN.	HEATING ELEMENT KW	V/PH/Hz	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES	
WH-1	40	21	30,700	3/4"	2 @ 4.5	240/1/60	RHEEM - XE40T06S245U1	NOTE-1	

NOTES:
1. PROVIDE WITH POWER DISCONNECT, ASME RELIEF VALVE, 3/4" DISCHARGE PIPED FULL SIZE TO DRAIN VIA AIR GAP. PROVIDE WATER HEATER WITH DRAIN PAN.

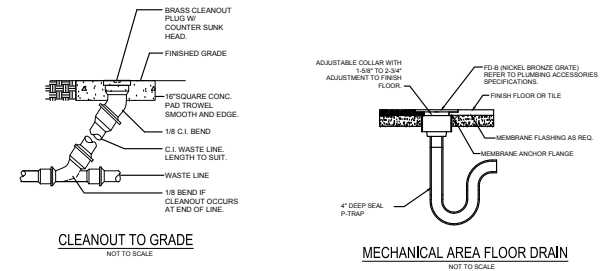
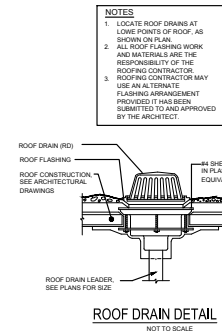
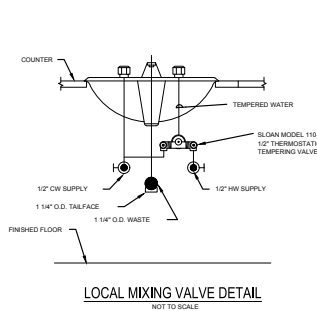
PUMP SCHEDULE										
EQUIPMENT NO.	SERVICE	LOCATION	GPM	HEAD (FT.)	RPM	V/PH/Hz	HP	FLA	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
CP-1	BOILER	MECH	15	20	V	120/1/60	0.20	-	TACO 2420	NOTE-1
CP-2	FANCOIL LOOP	MECH	22	20	V	120/1/60	0.20	-	TACO 2420	NOTE-1
CP-3	DOM HOT	MECH	8	10	V	120/1/60	0.20	-	TACO 2420	NOTE-1
SP-1	SANITARY	WATER ENTRY	100	15	V	230/1/60	2 @ 1	2 @ 12	LIBERTY - LEH102	NOTE-2
SP-2	ELEVATOR	ELEVATOR	50	15	V	115/1/60	0.75	10.4	LIBERTY - ELV-290	NOTE-3

NOTES:
1. PROVIDE WITH CAST IRON CASING, STAINLESS STEEL IMPELLER, FLANGED CONNECTIONS AND VFD. MOTOR HORSEPOWER SHALL BE GREATER THAN NON-OVERLOADING BRAKE HORSEPOWER.
2. PROVIDE WITH POWER DISCONNECT. PUMP SYSTEM IS A DUAL PUMP SYSTEM.
3. PROVIDE WITH OILTECTOR CONTROL AND POWER DISCONNECT. PUMP SHALL ALARM WHEN OIL IS DETECTED AND PUMP AT ALL TIMES WHEN WATER IS DETECTED.

RESPONSIBLE DIVISION
UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER	CONTROL
EQUIPMENT	23	23	26	-
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS AND CONTACTORS	23	26	26	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATER, MANUAL MOTOR STARTERS	26(1)	26(1)	26	-
MANUAL OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PLS & SP SWITCHES	23	23(2)	-	23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)	-	23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

1. UNDER DIVISION 23 IF FURNISHED FACTORY-WIRED AS PART OF EQUIPMENT OR IF FURNISHED WITH COMBINATION STARTERS.
2. IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26.
WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23. CONNECT UNDER DIVISION 26.



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DATE	ISSUED FOR
04/26/2020	PERMIT SET
09/15/2020	PERMIT REVISED
10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



DATE	NO.
10/15/2020	20-012
DRAWN BY:	SCB
CHECKED BY:	SCB
SCALE:	AS SHOWN

SHEET NUMBER: **P1-10**

PLUMBING SPECIFICATION

1. SCOPE OF WORK
 A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.

8. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION), ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.

C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATION.

D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED AS EQUAL" BY THE ENGINEER OR ARCHITECT.

2. PERMITS
 A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

3. SHOP DRAWINGS
 A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

4. DOMESTIC WATER SUPPLY PIPING
 A. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTORS.

B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE.

C. ALL HOT WATER PIPING TO BE INSULATED WITH "F" FIBERGLASS INSULATION.

D. ALL COLD WATER PIPING TO BE INSULATED WITH "F" FOAM INSULATION.

5. SANITARY/STORM DRAINAGE AND VENT PIPING
 A. ABOVE GRADE:
 2" BELOW SCHEDULE 40 GALV STEEL PIPE WITH SCREWED ENDS OR SCHEDULE 40 PVC WITH SOLVENT JOINTS OR DWV COPPER WITH SOLDER JOINTS. ALL SOLDER "NO LEAD" TYPE.

2" AND ABOVE SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS, OR SCHEDULE 40 PVC WITH SOLVENT JOINTS.

B. BELOW GRADE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS, OR SCHEDULE 40 PVC WITH SOLVENT JOINTS.

C. PVC PIPING SHALL NOT BE USED IN AIR PLenums CEILINGs AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGs, OR FLOORs.

D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.

E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/8" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.

F. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.

G. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.

7. PIPE SUPPORTS
 A. ABOVE GRADE: ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR PERFORATED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN INTERNATIONAL PLUMBING CODE (LATEST EDITION).

B. BELOW GRADE: EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.

INTERIOR: THE PIPE SHALL BE INSTALLED UNLESS OTHERWISE SPECIFIED A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.

EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 60% OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.

8. MISCELLANEOUS
 A. COORDINATE INSTALLATION OF ALL ROOFS FLASHING AT ROOF PENETRATIONS.

B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS AND DIMENSIONS AT THE JOB SITE.

C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT; THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT THE AVAILABLE SPACE.

9. TESTING
 A. PLUMBING SYSTEM SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION).

10. GUARANTEE
 A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.

B. FOR THE SAME PERIOD THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

MECHANICAL PROVISIONS

1. SCOPE OF WORK

A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.

8. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.

C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATION.

D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED AS EQUAL" BY THE ENGINEER OR ARCHITECT.

2. PERMITS
 A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

3. SHOP DRAWINGS
 A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

4. FLEXIBLE DUCT WORK
 A. FLEXIBLE TYPE DUCT SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPRING AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY UL, CLASS LISTED, AND SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.

B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 6 LINEAR FEET PER RUN.

C. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE FLEXIBLE DUCT.

5. REFRIGERANT
 A. PIPING CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION.

B. INSULATE REFRIGERANT LINES WITH ARMOURFLEX TYPE INSULATION. SHALL BE TYPE "K" COPPER TUBING, WITH WROUGHT COPPER SOLDER TYPE FITTINGS SUITABLE FOR CONNECTION WITH SILVER SOLDER.

6. DUCTWORK
 A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS.

B. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.

C. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS.

D. ALL BRANCH DUCTS TO HAVE 90 DEGREE ELBOWS. SMOOTH TURN RADII. DUCTWORK OR TURNING UNITS SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 360 CFM.

E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.

F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.

G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS INSULATION BARRIER. INSULATION SHALL BE MAINTAINED.

H. ALL SUPPLY AND RETURN DUCTWORK 15 FEET DOWNSTREAM OF THE HVAC UNIT SHALL BE INTERNALLY LINED WITH A 1/2" ACoustICAL DUCT LINER UNLESS OTHERWISE NOTED ON THE DRAWINGS.

7. DRAINAGE PIPING
 A. (CONDENSATES) SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT JOINTS. PITCH HORIZONTAL LINES 1/8" IN 30". CONCRETE DRAINAGE SHALL BE ROUTED TO FLOOR DRAIN, ROOF DRAIN OR INDIRECT WASTE DRAIN.

8. HVAC CONTROLS
 A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.

9. ELECTRICAL
 A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.

10. PIPE SUPPORTS
 A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 8 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.

11. GAS PIPING
 A. PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON FITTINGS. A PIPE CONNECTS TO EQUIPMENT. IT SHALL BE PROVIDED WITH A DRIP LED THE FULL SIZE OF THE RUNOUT A 100% SHUT-OFF VALVE AND A UNION. GAS PIPING CONTAINING PRESSURE GREATER THAN 1/2 P.S.I.G. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH WELDED JOINTS.

12. MISCELLANEOUS
 A. ALL EXTERIOR OPENINGS TO BE PROPERLY CALKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE. TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.

B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS.

C. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.

D. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT; THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT.

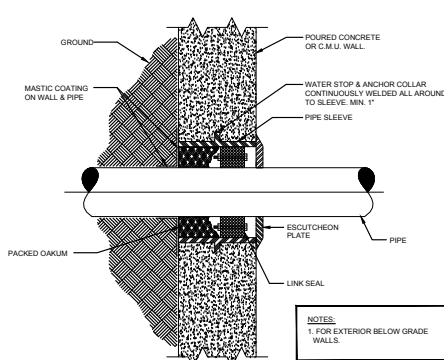
E. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.

F. IF PEK TUBING, IF PEK TUBING IS USED AS AN APPROVED ALTERNATE FOR APPLICATIONS WHERE METALLIC PIPING IS THE BASIS OF DESIGN, THE PEK MANUFACTURER SHALL SUBMIT SHOP DRAWINGS CLEARLY INDICATING THAT THE DESIGN HAS BEEN ANALYZED AND MODIFIED AS REQUIRED TO MAINTAIN SCHEDULED HYDROSTATIC SYSTEM PARAMETERS. ANY DESIGN RESULTING IN INCREASED SYSTEM PRESSURE DROP AS A RESULT OF IMPROPER PEK SIZING OR DESIGN SHALL NOT BE PERMITTED.

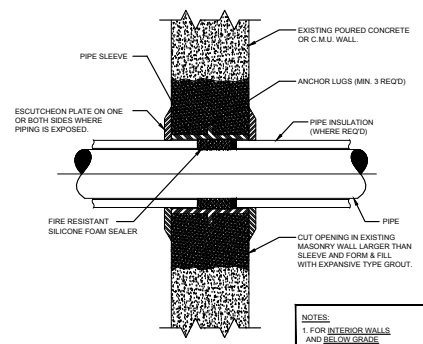
13. TESTING AND BALANCING
 A. THE HVAC SYSTEM SHALL BE TESTED AND BALANCED BY AN INDEPENDENT AGENCY, UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TEST WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.

14. GUARANTEE
 A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.

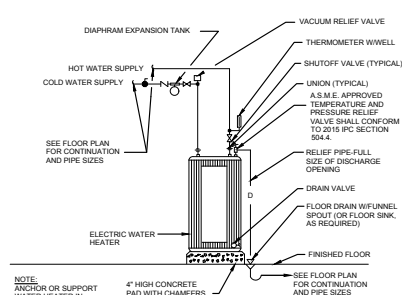
B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.



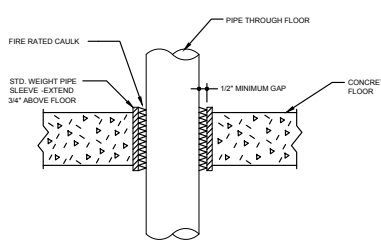
PIPE SLEEVE THROUGH WALL DETAIL
 NOT TO SCALE



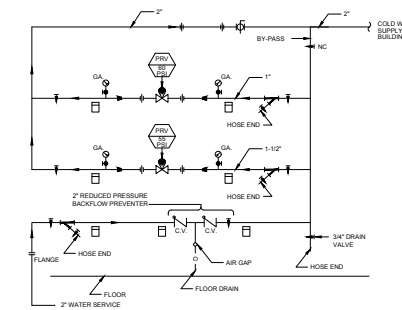
PIPE SLEEVE THROUGH WALL DETAIL
 NOT TO SCALE



ELECTRIC WATER HEATER DETAIL
 NOT TO SCALE



PIPE SLEEVE THROUGH FLOOR DETAIL
 NOT TO SCALE



DOMESTIC WATER PRESSURE REDUCING STATION DETAIL
 NOT TO SCALE

DO NOT REMOVE THESE DIMENSIONS AND PROVISIONS UNLESS THE ENGINEER OR ARCHITECT HAS APPROVED THE REMOVAL OF THE DIMENSIONS AND PROVISIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND PROVISIONS OF THE EQUIPMENT AND MATERIALS TO BE INSTALLED. ANY CHANGES TO THE DIMENSIONS AND PROVISIONS SHALL BE MADE IN WRITING AND APPROVED BY THE ENGINEER OR ARCHITECT.

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 TOWN OF EAGLE

DATE	ISSUED FOR
04/28/2020	PERMIT SET
09/15/2020	PERMIT REVISION
10/16/2020	PERMIT REVISION
10/19/2020	PERMIT REVISION



DATE	JOB NO.	SCALE
10/15/2020	20-012	AS SHOWN

P1-11

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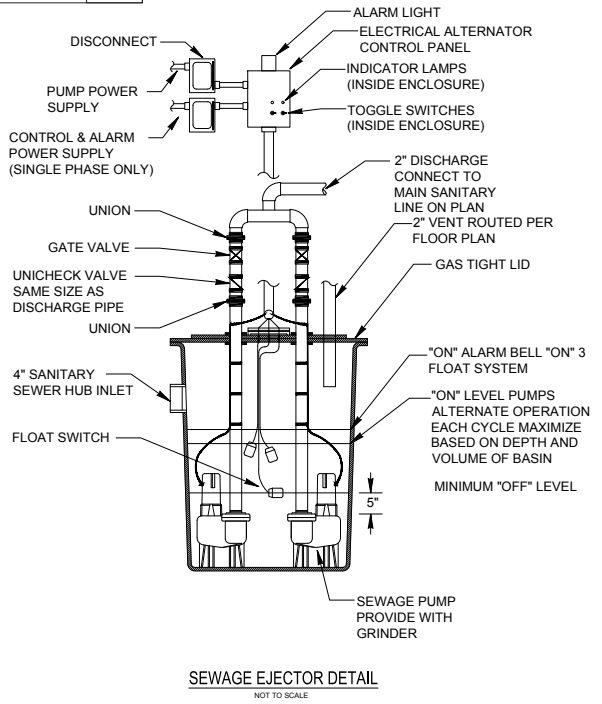
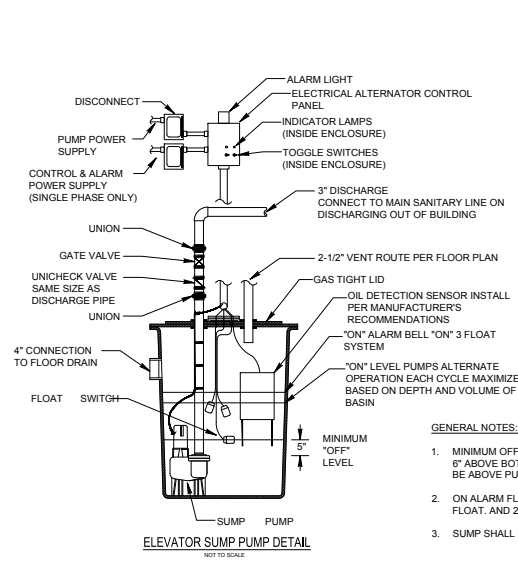
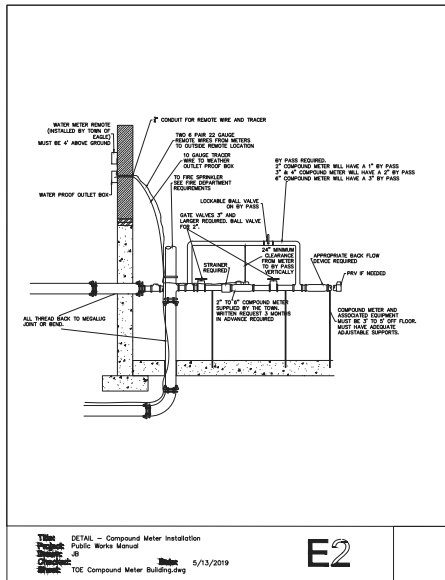
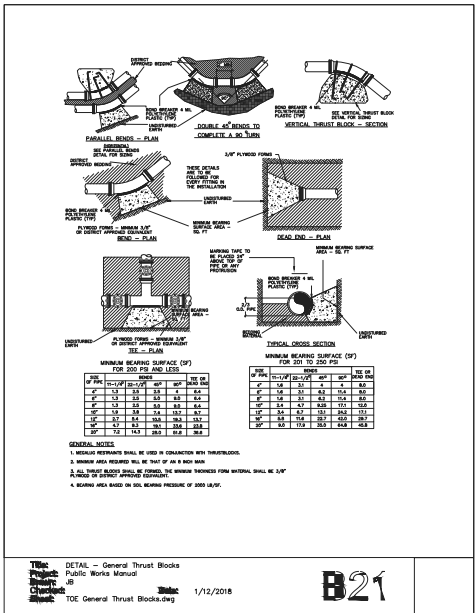
BROADWAY STATION
115 SECOND STREET
 EAGLE, COLORADO 81631
 TOWN OF EAGLE

DATE	ISSUED FOR
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10/16/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



DATE	SCALE
10/19/2020	AS SHOWN

P1-12



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 Mechanical & Electrical Engineers
 388 Indian Road
 Grand Junction, CO 81501
 Phone: 970-241-8769

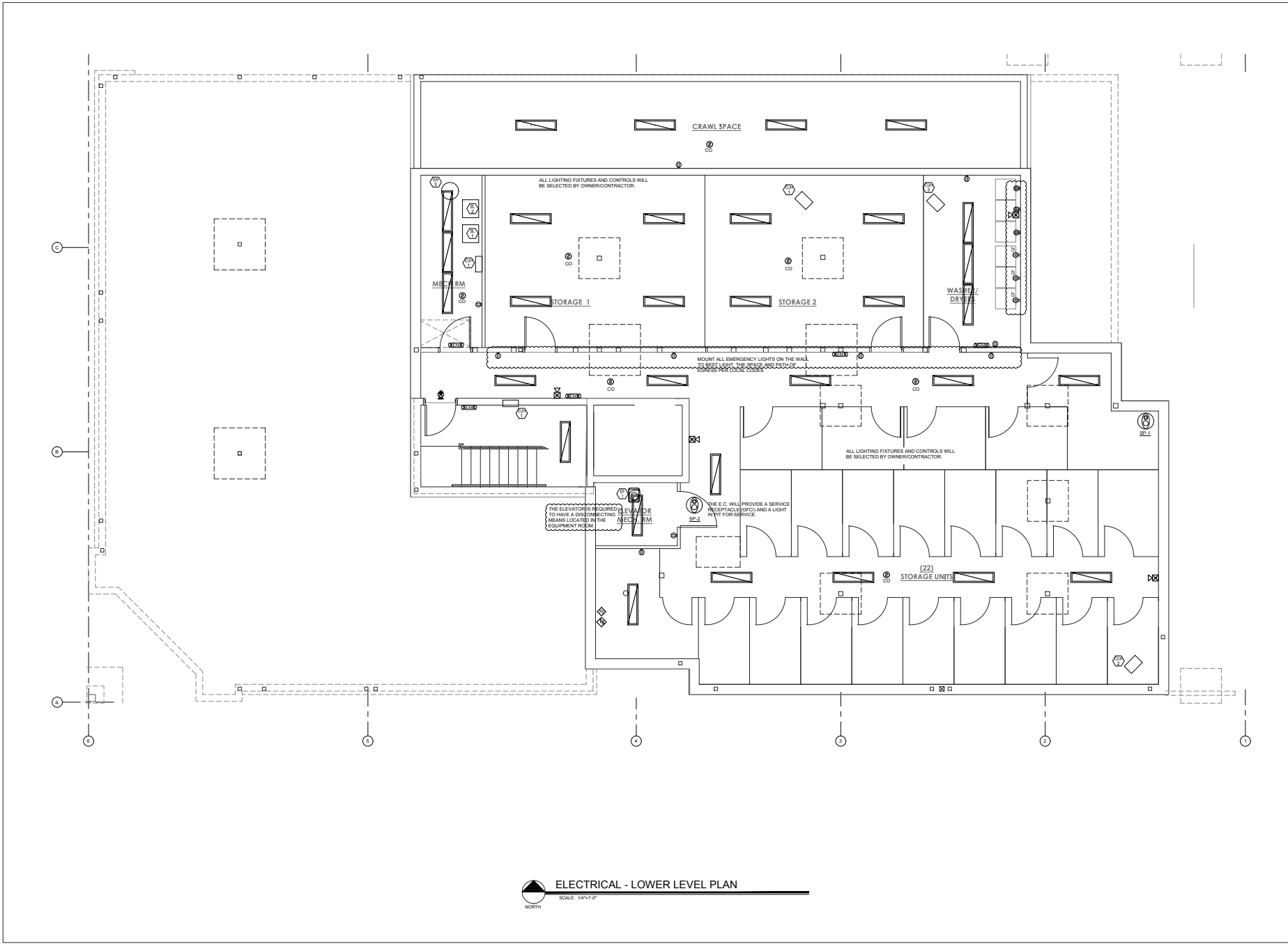
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10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



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SHEET NUMBER	E2-1

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ELECTRICAL - LOWER LEVEL PLAN
 SCALE: 1/4"=1'-0"
 NORTH

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BROADWAY STATION
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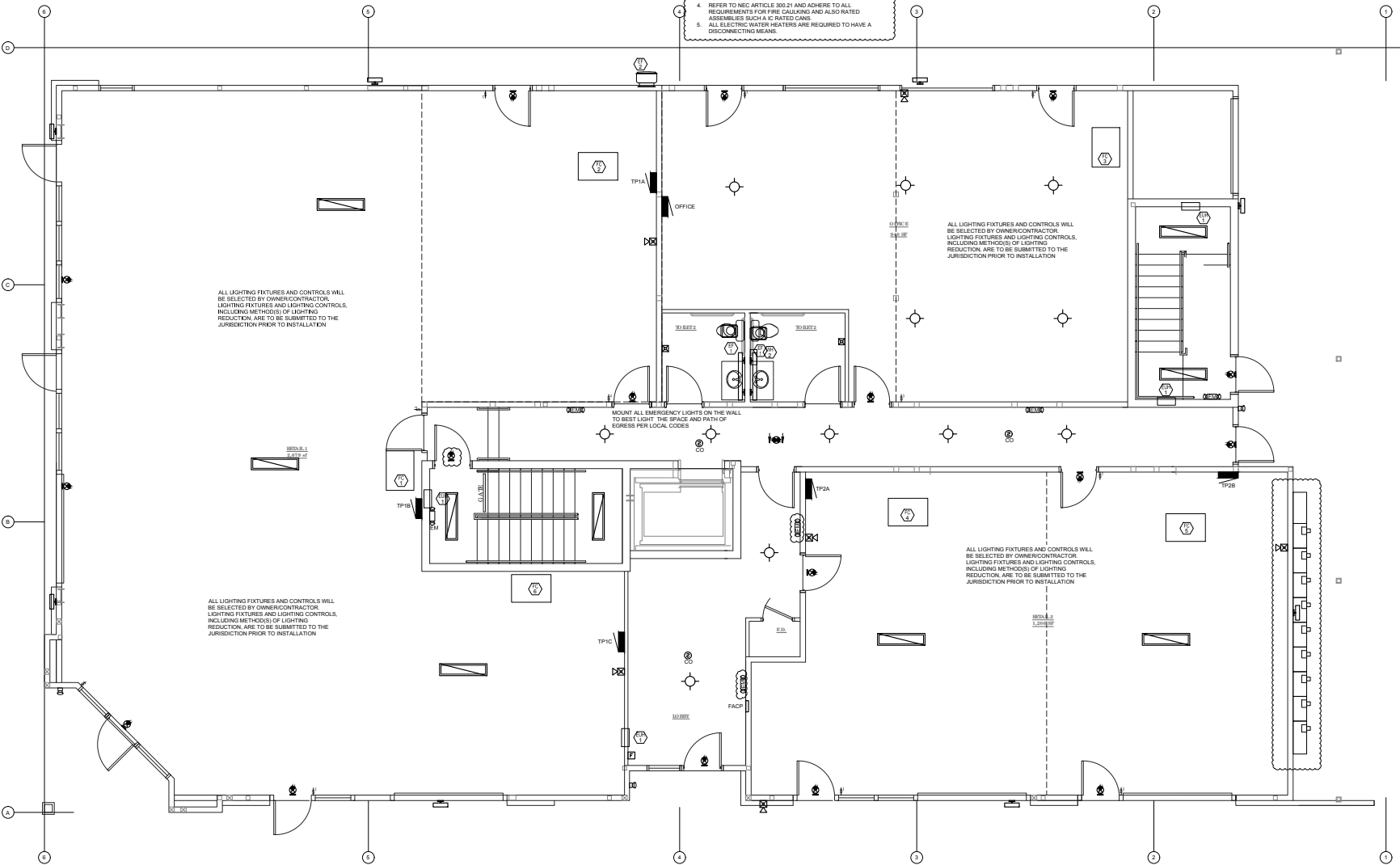
DATE	ISSUED FOR
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10/19/2020	PERMIT REVISED



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10/19/2020	20-012
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SCALE	AS SHOWN
SHEET NUMBER	E2-2

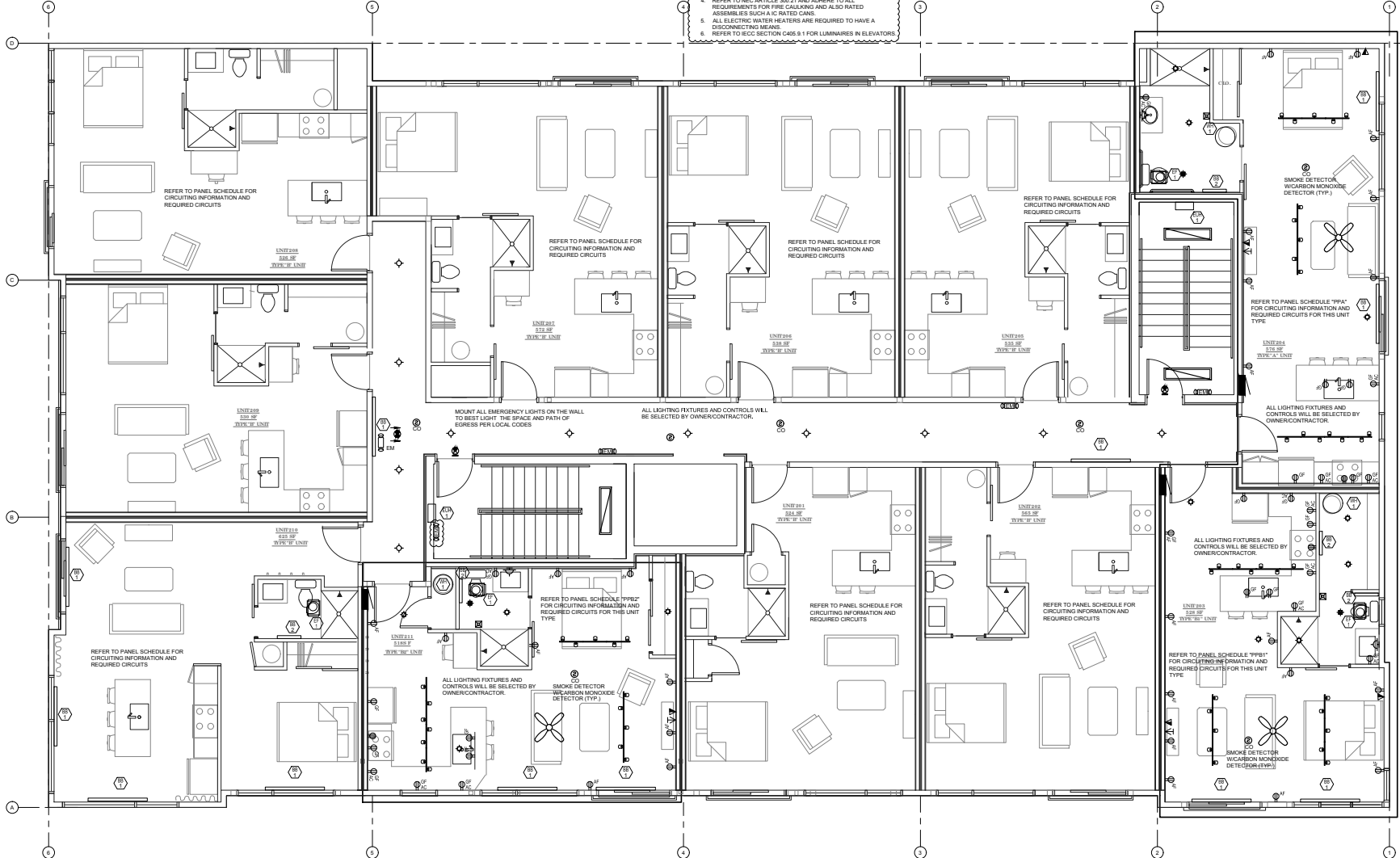
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CONSTRUCTION NOTES ADDED FROM CODE COMMENTS:
 1. LIGHTING FIXTURES AND LIGHTING CONTROLS, INCLUDING METHODS OF LIGHTING REDUCTION, ARE TO BE SUBMITTED TO THE JURISDICTION PRIOR TO INSTALLATION.
 2. REFERENCE RESIDENTIAL LIGHTING THAT EITHER A MINIMUM OF 75 PERCENT OF THE LAMPS WITH ALL PERMANENTLY INSTALLED LIGHTING FIXTURES, OR A MINIMUM OF 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL ONLY CONTAIN HIGH EFFICACY LAMPS.
 3. LIGHTING FIXTURES AND CONTROLS, WHICH ARE NOTED TO BE SELECTED BY THE OWNER/CONTRACTOR, SHALL BE SUBMITTED TO THE JURISDICTION PRIOR TO INSTALLATION.
 4. REFER TO NEC ARTICLE 300.21 AND ADHERE TO ALL REQUIREMENTS FOR FIRE CALKING AND ALSO RATED ASSEMBLIES SUCH AS C RATED CANS.
 5. ALL ELECTRIC WATER HEATERS ARE REQUIRED TO HAVE A DISCONNECTING MEANS.



ELECTRICAL - FIRST LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH

1. 75 PERCENT OF THE LAMPS WITH ALL PERMANENTLY INSTALLED LIGHTING FIXTURES, OR A MINIMUM OF 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL ONLY CONTAIN HIGH-EFFICIENCY LAMPS.
2. LIGHTING FIXTURES AND CONTROLS, WHICH ARE NOTED TO BE SELECTED BY THE OWNER/CONTRACTOR, SHALL BE SUBMITTED TO THE JURISDICTION PRIOR TO INSTALLATION.
3. REFER TO NEC ARTICLE 300.2 AND ADHERE TO ALL REQUIREMENTS FOR FIRE CAULKING AND ALSO RATED ASSEMBLIES SUCH AS I.C. RATED CANS.
4. ALL ELECTRIC WATER HEATERS ARE REQUIRED TO HAVE A DISCONNECTING MEANS.
5. REFER TO IECG SECTION C405.9.1 FOR LUMINAIRES IN ELEVATORS.



ELECTRICAL - SECOND LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"

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BROADWAY STATION
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10/19/2020	PERMIT REVISED



DATE	10/19/2020
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SCALE	AS SHOWN
SHEET NUMBER	E2-3

4. REFER TO NEC ARTICLE 300.21 AND ADHERE TO ALL REQUIREMENTS FOR FIRE CALULATING AND ALSO RATED ASSEMBLIES SUCH AS I.C. RATED CANS.
5. ALL ELECTRIC WATER HEATERS ARE REQUIRED TO HAVE A DISCONNECTING MEANS.
6. REFER TO IEC SECTION CLASS 5.1 FOR LUMINAIRES IN ELEVATORS

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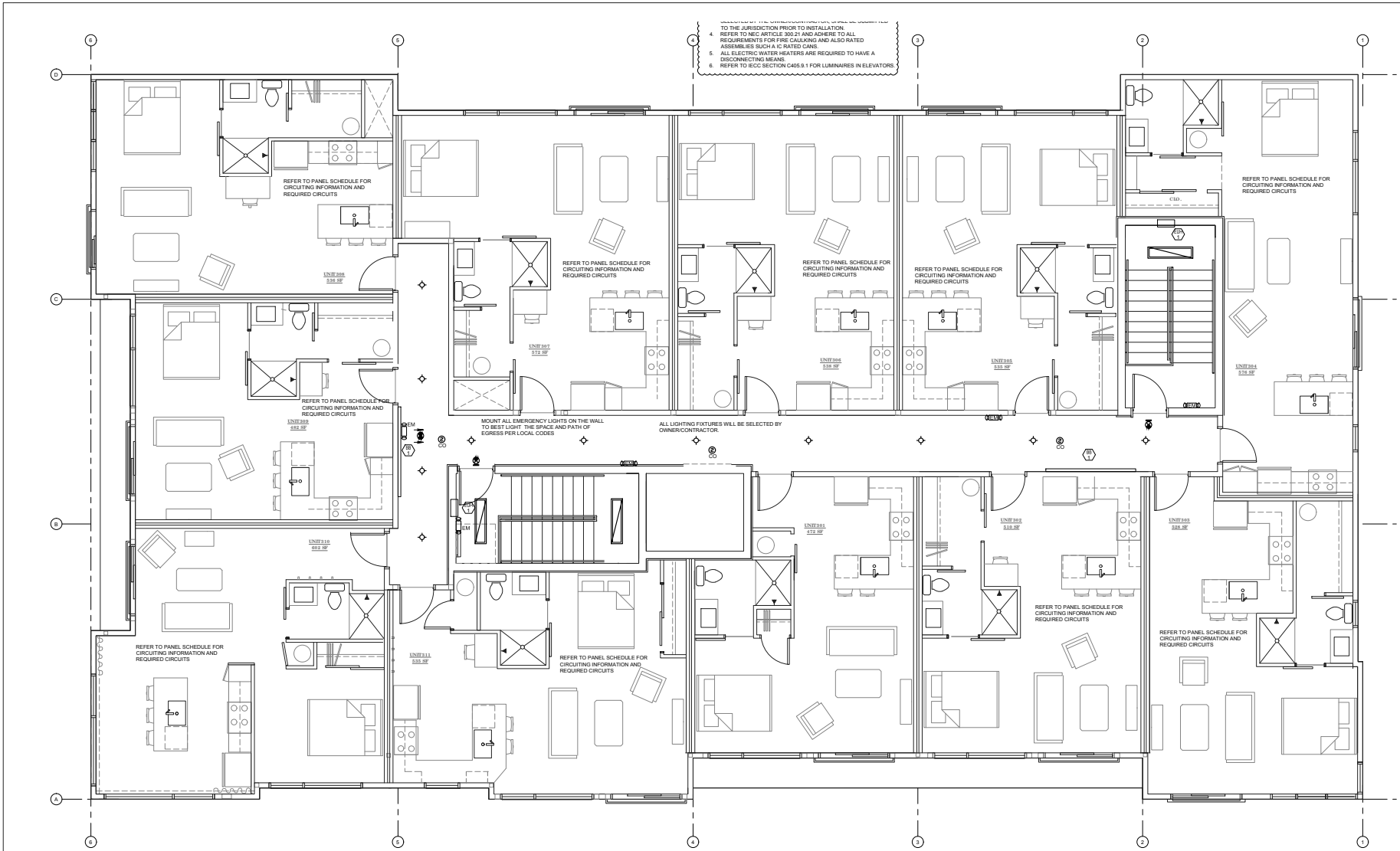
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ELECTRICAL - THIRD LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"
 NORTH

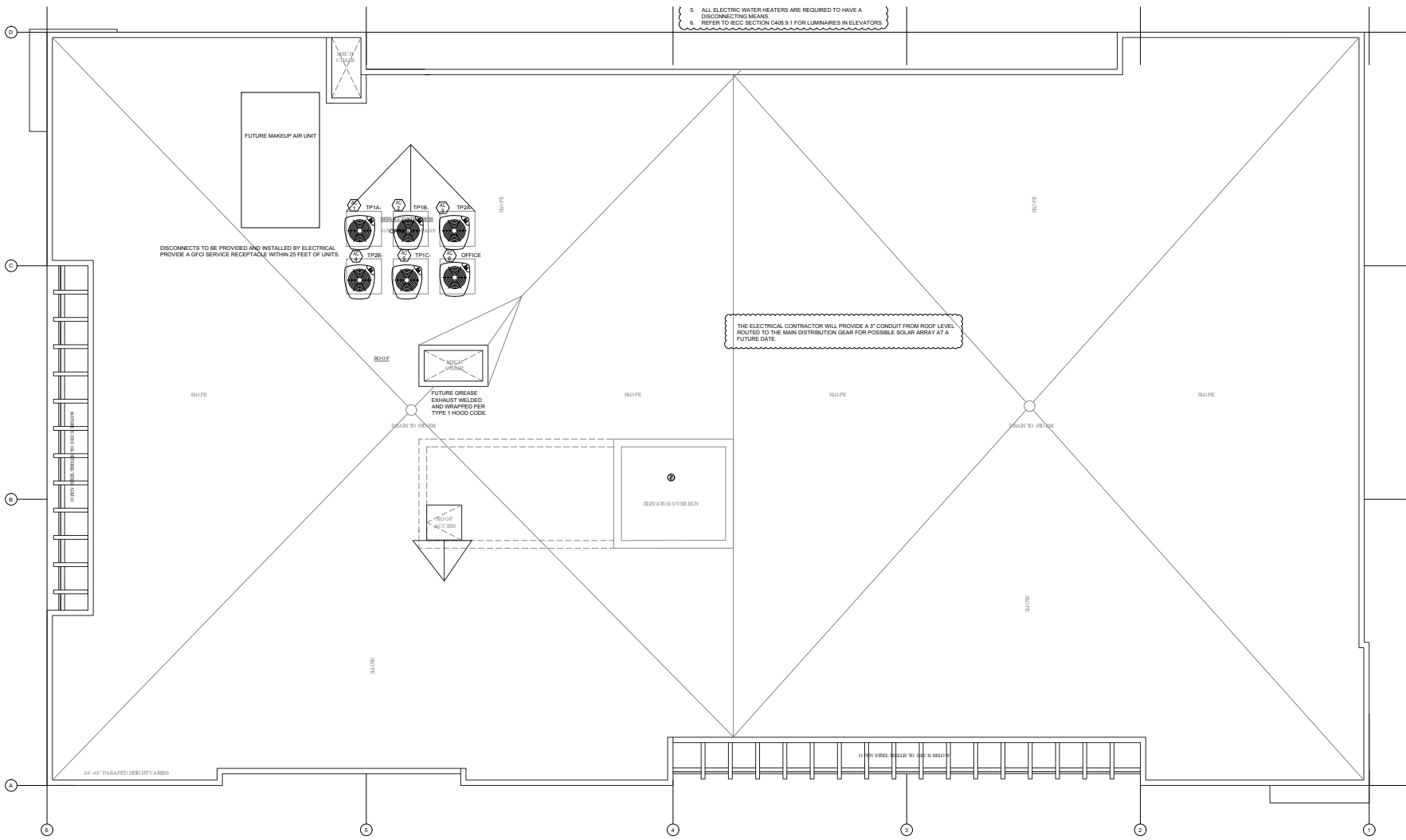
5. ALL ELECTRIC WATER HEATERS ARE REQUIRED TO HAVE A DISCONNECTING MEANS REFER TO SEC. SECTION C405 9.1 FOR LUMINAIRES IN ELEVATORS

DISCONNECTS TO BE PROVIDED AND INSTALLED BY ELECTRICAL PROVIDE A GFCI SERVICE RECEPTACLE WITHIN 25 FEET OF UNITS.

THE ELECTRICAL CONTRACTOR WILL PROVIDE A 3" CONDUIT FROM ROOF LEVEL ROUTED TO THE MAIN DISTRIBUTION GEAR FOR POSSIBLE SOLAR ARRAY AT A FUTURE DATE.

FUTURE GREASE EXHAUST WELDED AND WRAPPED PER TYPE 1 HOOD CODE.

ELEVATOR OVER BEN



ELECTRICAL - ROOF PLAN
SCALE: 1/4"=1'-0"
NORTH

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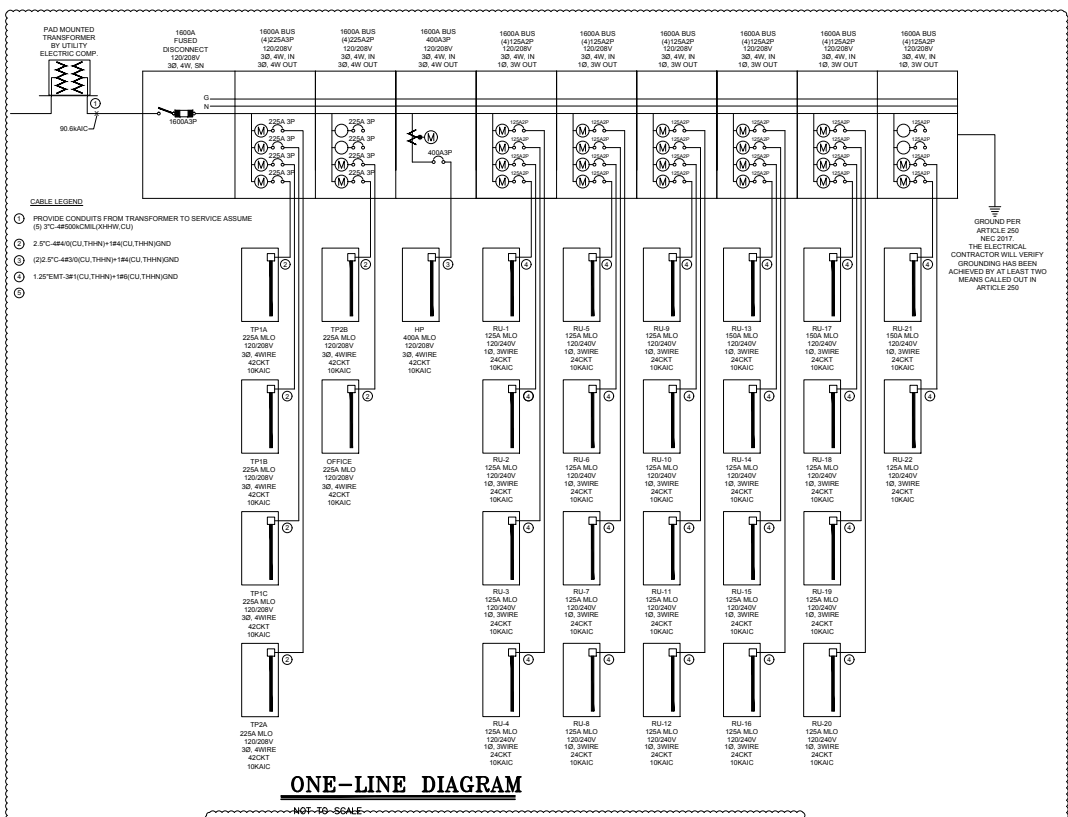
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Grand Junction, CO 81501
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BROADWAY STATION
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EAGLE, COLORADO 81631
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SHEET NUMBER	E2-5



PANEL SCHEDULE -	HP	TYPE VOLTAGE ENCLOSURE	PANEL BOARD 120/208 NEMA1	BUS SIZE		NONE	400	PHASES 3	WIRES 4	NEUTRAL BUS 10000	LOAD DESCRIPTION	
				CONDUCTOR LOAD	CONDUCTOR LOAD							
APPLIANCE	WASHER	20A 1 1P	1176	A	2	20A	15A	20A	15A	15A	LIGHTING	BASEMENT LITES
APPLIANCE	WASHER	20A 3 B	1176	B	4	20A	15A	20A	15A	15A	LIGHTING	1ST LEVEL LITES
APPLIANCE	WASHER	20A 5 C	1176	C	6	20A	15A	20A	15A	15A	LIGHTING	2ND LEVEL LITES
SPARE	FUTURE	20A 7 1P	2500	A	400	20A	15A	20A	15A	15A	LIGHTING	3RD LEVEL LITES
APPLIANCE	FUTURE	20A 8 1P	2500	B	800	20A	15A	20A	15A	15A	PROCESS	SMOKE CURTAIN
APPLIANCE	DRIVER	35A 11 2P	2500	C	12	20A	15A	20A	15A	15A	LIGHTING	STARWAY LITES
APPLIANCE	---	13 A	2500	A	14	15A	15A	15A	15A	15A	MOTOR	RESTROOMS EXHAUST FANLIGHTS
APPLIANCE	DRIVER	35A 15 2P	2500	B	16	15A	15A	15A	15A	15A	MECH HEATING	BL-BOILER
APPLIANCE	---	17 A	2500	A	18	15A	15A	15A	15A	15A	MECH HEATING	BL-2 BOILER
APPLIANCE	DRIVER	35A 19 2P	2500	B	22	15A	15A	15A	15A	15A	MOTOR	CP-1 CIRC. PUMP
APPLIANCE	---	21 A	2500	A	22	15A	15A	15A	15A	15A	MOTOR	CP-1 CIRC. PUMP
SPARE	FUTURE	30A 23 2P	2500	C	24	15A	15A	15A	15A	15A	MOTOR	CP-2 CIRC. PUMP
SPARE	---	25 A	2500	A	26	15A	15A	15A	15A	15A	MOTOR	CP-3 CIRC. PUMP
SPARE	FUTURE	35A 28 2P	2500	B	28	15A	15A	15A	15A	15A	MOTOR	CP-4 DOMESTIC CIRC. PUMP
SPARE	---	29 A	2500	A	30	15A	15A	15A	15A	15A	MOTOR	GLYCOL FEEDER
MOTOR	CABINET UNIT HEATERS	20A 31 A 1P	1500	A	32	20A	15A	20A	15A	15A	MOTOR	SP-1A SEWER GRINDER PUMP
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 33 1P	1500	A	34	15A	15A	15A	15A	15A	MOTOR	---
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 35 1P	1500	A	36	20A	15A	20A	15A	15A	MOTOR	SP-1B SEWER GRINDER PUMP
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 37 1P	1500	A	38	20A	15A	20A	15A	15A	MOTOR	---
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 39 1P	1500	A	40	20A	15A	20A	15A	15A	MOTOR	SP-2 SUMP PUMP
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 41 1P	1500	A	42	15A	15A	15A	15A	15A	MOTOR	EFFLUENT PUMP
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 43 A 1P	1500	A	44	15A	15A	15A	15A	15A	MOTOR	---
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 45 1P	1500	A	46	45A	15A	45A	15A	15A	MECH HEATING	WH-3 WATER HEATER
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 47 1P	1500	A	48	3600	2P	3600	2P	3600	MECH HEATING	---
MECH HEATING	EUH-1 ELECTRIC UNIT HEATER	20A 49 1P	1500	A	50	20A	15A	20A	15A	15A	MECH HEATING	WH-3 WATER HEATER GAS
MECH HEATING	BB1 BASEBOARD HEATER	20A 51 1P	1500	B	52	60A	15A	60A	15A	15A	MECH HEATING	WH-1 WATER HEATER
MECH HEATING	BB1 BASEBOARD HEATER	20A 53 1P	1500	B	54	4500	1P	4500	1P	4500	MECH HEATING	---
MECH HEATING	BB1 BASEBOARD HEATER	20A 55 A 1P	1500	A	56	20A	15A	20A	15A	15A	SPARE	UNALLOCATED FUTURE
MECH HEATING	BB1 BASEBOARD HEATER	20A 57 1P	1500	B	58	20A	15A	20A	15A	15A	SPARE	UNALLOCATED FUTURE
SPARE	UNALLOCATED FUTURE	20A 59 1P	1500	B	60	20A	15A	20A	15A	15A	SPARE	UNALLOCATED FUTURE
SPARE	UNALLOCATED FUTURE	20A 61 1P	1500	B	62	20A	15A	20A	15A	15A	SPARE	UNALLOCATED FUTURE
SPARE	UNALLOCATED FUTURE	20A 63 1P	1500	B	64	20A	15A	20A	15A	15A	SPARE	UNALLOCATED FUTURE
SPARE	UNALLOCATED FUTURE	20A 65 1P	1500	B	66	15A	15A	15A	15A	15A	SPARE	---
SPARE	UNALLOCATED FUTURE	20A 67 1P	1500	B	68	15A	15A	15A	15A	15A	SPARE	---
SPARE	UNALLOCATED FUTURE	20A 69 1P	1500	B	70	15A	15A	15A	15A	15A	SPARE	---
SPARE	UNALLOCATED FUTURE	20A 71 1P	1500	B	72	15A	15A	15A	15A	15A	SPARE	---
RECEPTACLE	CAB LITES	20A 73 1P	1200	C	74	15A	15A	15A	15A	15A	SPACE	---
RECEPTACLE	ELEVATOR	20A 75 1P	1176	C	76	15A	15A	15A	15A	15A	SPACE	---
MOTOR	---	79 1P	7133	C	78	0	0	0	0	0	SPACE	---
MOTOR	ELEVATOR SMART TRIP BREAKER	85A 81 3P	7133	C	80	20A	15A	20A	15A	15A	RECEPTACLE	PIT LIGHT & SERVICE OUTLET
MOTOR	---	83 3P	7133	C	82	20A	15A	20A	15A	15A	MOTOR	ELEVATOR SUMP PUMP

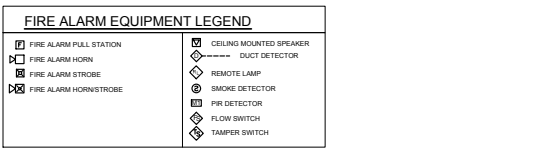
LOADS BY TYPE:

LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING	3000.00	1.25	3750.00
KITCHEN	0.00	0.00	0.00
PROCESS	3000.00	1.00	3000.00
RECEPTACLES	2778.00	1.00	2778.00
MECH HEATING	3600.00	1.00	3600.00
Mech Cooling	0.00	1.00	0.00
Mech Year Round	0.00	1.00	0.00
APPLIANCE	18628.00	1.00	18628.00
MISCELLANEOUS	24.00	1.00	24.00
SPARE	12350.00	1.00	12350.00
LARGEST MOTOR	4500.00	0.25	1125.00
TOTAL	11428.00	1.00	11428.00

LOADS BY PHASE:

PHASE	CONNECTED LOAD (VA)	CONNECTED LOAD (AMPS)	BALANCE (PERCENT)
A	3182.50	265.20	A: 8.71
B	4115.80	344.30	B: C: 99.4
C	4130.70	344.25	C: A: 77.8
TOTAL/AVERAGE	11428.00	317.30	84.7

NOTES:
1. THE LARGEST CONNECTED MOTOR LOAD IS INCLUDED IN MECHANICAL, PROCESS, OR MOTOR LOADS.



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Grand Junction, CO 81501
Phone: 970-241-6769

**BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE**

DATE: 04/28/2020 ISSUED FOR: PERMIT SET
09/15/2020 PERMIT REVISED
10/10/2020 PERMIT REVISED
10/19/2020 PERMIT REVISED

DATE: 10/19/2020
JOB NO: 20-012
DRAWN BY: RSC
CHECKED BY: SCE
SCALE: AS SHOWN
SHEET NUMBER: E2-7

October 19, 2020 - 3:11:03pm

PANEL FOR TYPICAL UNIT 'A' SEE PLANS FOR REFERENCE.

PANEL SCHEDULE - PPA		TYPE VOLTAGE ENCLOSURE	PANELBOARD 120/208 NEMA1	BUS SIZE MAIN BBRK MOUNTING		125 125	PHASES WIRING SC RATING	1 3	NEUTRAL BUS GROUND BUS	YES YES
LOAD TYPE	LOAD DESCRIPTION	AMPS POLES	CKT# LOAD	Ø	CKT# LOAD	AMPS POLES	LOAD TYPE	LOAD DESCRIPTION		
LIGHTING	SPACE LITES ARC FAULT BREAKER	20A 1P	1 1000	A	2 20A 1P	20A 1P	RECEPTACLE	REFRIGERATOR GROUND FAULT BREAKER 5 MA		
RECEPTACLE	RESTROOM GROUND FAULT BREAKER 5 MA	20A 1P	3 1500	B	4 20A 1P	20A 1P	RECEPTACLE	MICROWAVE GROUND FAULT BREAKER 5 MA		
RECEPTACLE	BEDROOM AREA ARC FAULT BREAKER	20A 1P	5 900	A	6 45A 2P	45A 2P	RECEPTACLE	RANGE ---		
RECEPTACLE	LIVING ROOM AREA ARC FAULT BREAKER	20A 1P	7 720	B	8 4000	---	RECEPTACLE	---		
RECEPTACLE	DISPOSER GROUND FAULT BREAKER 5 MA	20A 1P	9 864	A	10 20A 1P	20A 1P	RECEPTACLE	KITCHEN SERVICE GROUND FAULT BREAKER 5 MA		
RECEPTACLE	DISHWASHER GROUND FAULT BREAKER 5 MA	20A 1P	11 1320	B	12 45A 2P	45A 2P	MECH HEATING	WATER HEATER ---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	13 1320	A	14 ---	---	MECH HEATING	---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	15 1320	B	16 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	17 360	A	18 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	19 0	B	20 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	21 0	A	22 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	23 0	B	24 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPACE	---	---	25 0	A	26 0	---	SPACE	---		
SPACE	---	---	27 0	B	28 0	---	SPACE	---		
SPACE	---	---	29 0	A	30 0	---	SPACE	---		

LOADS BY TYPE:		LOADS BY PHASE:		
LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	PHASE
LIGHTING	1000.00	1.25	1250.00	A
KITCHEN	0.00	0.00	0.00	B
PROCESS	0.00	1.00	0.00	C
RECEPTACLES	10000.00	1.00	10000.00	
RECEPTACLES	5808.00	0.50	2904.00	
MECH HEATING	10000.00	1.00	10000.00	
MECH COOLING	0.00	1.00	0.00	
MECH YEAR ROUND	0.00	1.00	0.00	
APPLIANCE	0.00	1.00	0.00	
MISCELLANEOUS	0.00	1.00	0.00	
MOTOR	0.00	1.00	0.00	
LARGEST MOTOR 1	ABOVE	0.25	0.00	
TOTAL	27008.00		24364.00	

PANEL FOR TYPICAL UNIT 'B2' SEE PLANS FOR REFERENCE.

PANEL SCHEDULE - PPB2		TYPE VOLTAGE ENCLOSURE	PANELBOARD 120/208 NEMA1	BUS SIZE MAIN BBRK MOUNTING		125 125	PHASES WIRING SC RATING	1 3	NEUTRAL BUS GROUND BUS	YES YES
LOAD TYPE	LOAD DESCRIPTION	AMPS POLES	CKT# LOAD	Ø	CKT# LOAD	AMPS POLES	LOAD TYPE	LOAD DESCRIPTION		
LIGHTING	SPACE LITES ARC FAULT BREAKER	20A 1P	1 1000	A	2 20A 1P	20A 1P	RECEPTACLE	REFRIGERATOR GROUND FAULT BREAKER 5 MA		
RECEPTACLE	RESTROOM GROUND FAULT BREAKER 5 MA	20A 1P	3 1500	B	4 20A 1P	20A 1P	RECEPTACLE	MICROWAVE GROUND FAULT BREAKER 5 MA		
RECEPTACLE	BEDROOM AREA ARC FAULT BREAKER	20A 1P	5 720	A	6 45A 2P	45A 2P	RECEPTACLE	RANGE ---		
RECEPTACLE	LIVING ROOM AREA ARC FAULT BREAKER	20A 1P	7 720	B	8 4000	---	RECEPTACLE	---		
RECEPTACLE	DISPOSER GROUND FAULT BREAKER 5 MA	20A 1P	9 864	A	10 20A 1P	20A 1P	RECEPTACLE	KITCHEN SERVICE GROUND FAULT BREAKER 5 MA		
RECEPTACLE	DISHWASHER GROUND FAULT BREAKER 5 MA	20A 1P	11 1320	B	12 45A 2P	45A 2P	MECH HEATING	WATER HEATER ---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	13 1320	A	14 ---	---	MECH HEATING	---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	15 1320	B	16 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	17 360	A	18 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	19 0	B	20 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	21 0	A	22 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	23 0	B	24 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPACE	---	---	25 0	A	26 0	---	SPACE	---		
SPACE	---	---	27 0	B	28 0	---	SPACE	---		
SPACE	---	---	29 0	A	30 0	---	SPACE	---		

LOADS BY TYPE:		LOADS BY PHASE:		
LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	PHASE
LIGHTING	1000.00	1.25	1250.00	A
KITCHEN	0.00	0.00	0.00	B
PROCESS	0.00	1.00	0.00	C
RECEPTACLES	10000.00	1.00	10000.00	
RECEPTACLES	5808.00	0.50	2904.00	
MECH HEATING	10000.00	1.00	10000.00	
MECH COOLING	0.00	1.00	0.00	
MECH YEAR ROUND	0.00	1.00	0.00	
APPLIANCE	0.00	1.00	0.00	
MISCELLANEOUS	0.00	1.00	0.00	
MOTOR	0.00	1.00	0.00	
LARGEST MOTOR 1	ABOVE	0.25	0.00	
TOTAL	27008.00		24364.00	

PANEL FOR TYPICAL UNIT 'B1' SEE PLANS FOR REFERENCE.

PANEL SCHEDULE - PPB1		TYPE VOLTAGE ENCLOSURE	PANELBOARD 120/208 NEMA1	BUS SIZE MAIN BBRK MOUNTING		125 125	PHASES WIRING SC RATING	1 3	NEUTRAL BUS GROUND BUS	YES YES
LOAD TYPE	LOAD DESCRIPTION	AMPS POLES	CKT# LOAD	Ø	CKT# LOAD	AMPS POLES	LOAD TYPE	LOAD DESCRIPTION		
LIGHTING	SPACE LITES ARC FAULT BREAKER	20A 1P	1 1100	A	2 20A 1P	20A 1P	RECEPTACLE	REFRIGERATOR GROUND FAULT BREAKER 5 MA		
RECEPTACLE	RESTROOM GROUND FAULT BREAKER 5 MA	20A 1P	3 1500	B	4 20A 1P	20A 1P	RECEPTACLE	MICROWAVE GROUND FAULT BREAKER 5 MA		
RECEPTACLE	BEDROOM AREA ARC FAULT BREAKER	20A 1P	5 720	A	6 45A 2P	45A 2P	RECEPTACLE	RANGE ---		
RECEPTACLE	LIVING ROOM AREA ARC FAULT BREAKER	20A 1P	7 900	B	8 4000	---	RECEPTACLE	---		
RECEPTACLE	DISPOSER GROUND FAULT BREAKER 5 MA	20A 1P	9 864	A	10 20A 1P	20A 1P	RECEPTACLE	KITCHEN SERVICE GROUND FAULT BREAKER 5 MA		
RECEPTACLE	DISHWASHER GROUND FAULT BREAKER 5 MA	20A 1P	11 1320	B	12 45A 2P	45A 2P	MECH HEATING	WATER HEATER ---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	13 1320	A	14 ---	---	MECH HEATING	---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	15 1320	B	16 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
MECH HEATING	BASEBOARD HEATER ARC FAULT BREAKER	20A 1P	17 360	A	18 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	19 0	B	20 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	21 0	A	22 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPARE	UNALLOCATED FUTURE	20A 1P	23 0	B	24 20A 1P	20A 1P	SPARE	UNALLOCATED FUTURE ---		
SPACE	---	---	25 0	A	26 0	---	SPACE	---		
SPACE	---	---	27 0	B	28 0	---	SPACE	---		
SPACE	---	---	29 0	A	30 0	---	SPACE	---		

LOADS BY TYPE:		LOADS BY PHASE:		
LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	PHASE
LIGHTING	1100.00	1.25	1375.00	A
KITCHEN	0.00	0.00	0.00	B
PROCESS	0.00	1.00	0.00	C
RECEPTACLES	10000.00	1.00	10000.00	
RECEPTACLES	5808.00	0.50	2904.00	
MECH HEATING	10000.00	1.00	10000.00	
MECH COOLING	0.00	1.00	0.00	
MECH YEAR ROUND	0.00	1.00	0.00	
APPLIANCE	0.00	1.00	0.00	
MISCELLANEOUS	0.00	1.00	0.00	
MOTOR	0.00	1.00	0.00	
LARGEST MOTOR 1	ABOVE	0.25	0.00	
TOTAL	27448.00		24749.00	

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BROADWAY STATION
115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

DATE	ISSUED FOR:
04/28/2020	PERMIT SET
09/15/2020	PERMIT REVISED
10/16/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



DATE	10/19/2020
JOB NO.	20-012
DRAWN BY:	SKC
CHECKED BY:	SKC
SCALE	AS SHOWN
SHEET NUMBER	

E2-8

PANEL SCHEDULE - OFFICE		TYPE	PANELBOARD	BUS SIZE	225	PHASES	3	NEUTRAL BUS	YES
		VOLTAGE	120/208	MAN BRK:	NONE	WIRES:	4	GROUND BUS:	YES
		ENCLOSURE	NEMA1	MOUNTING:	FLUSH	SC RATINGS:	10000		
LOAD TYPE	LOAD DESCRIPTION	AMPS	CKT#	A	CKT#	AMPS	LOAD TYPE	LOAD DESCRIPTION	
		POLES	LOAD	B	LOAD	POLES			
LIGHTING	SPACE LIGHTS	20A	1	A	1987	30A	MECH YEAR ROUND	CONDENSING UNIT	
		1P	300			2P			
RECEPTACLE	SPACE RECEPTACLES	20A	3	B	4	30A	MECH YEAR ROUND		
		1P	360		1987	2P			
SPACE			0	C	6	15A	MECH YEAR ROUND	FAN COOL UNIT	
			0			1P			
SPACE			0	A	8		SPACE		
			0						
SPACE			0	B	10		SPACE		
			0						
SPACE			0	C	12		SPACE		
			0						
SPACE			0	A	14		SPACE		
			0						
SPACE			0	B	16		SPACE		
			0						
SPACE			0	C	18		SPACE		
			0						
SPACE			0	A	20		SPACE		
			0						
SPACE			0	B	22		SPACE		
			0						
SPACE			0	C	24		SPACE		
			0						
SPACE			0	A	26		SPACE		
			0						
SPACE			0	B	28		SPACE		
			0						
SPACE			0	C	30		SPACE		
			0						
SPACE			0	A	32		SPACE		
			0						
SPACE			0	B	34		SPACE		
			0						
SPACE			0	C	36		SPACE		
			0						
SPACE			0	A	38		SPACE		
			0						
SPACE			0	B	40		SPACE		
			0						
SPACE			0	C	42		SPACE		
			0						

LOADS BY TYPE		DEMAND		BALANCE	
LOAD TYPE	CONNECTED LOAD (VA)	FACTOR	LOAD (VA)	LOAD (AMPS)	(PERCENT)
LIGHTING	300.00	1.25	375.00	A	A: 97.4
KITCHEN	0.00	0.00	0.00	B	B: 93.7
PROCESS	0.00	0.00	0.00	C	C: 91.1
RECEPTACLES	360.00	1.00	360.00		C.A. 91.1
MECH HEATING	0.00	1.00	0.00		
MECH COOLING	0.00	1.00	0.00		
MECH YEAR ROUND	7313.00	1.00	7313.00		
APPLANCE	0.00	1.00	0.00		
MISCELLANEOUS	0.00	1.00	0.00		
MOTOR	0.00	1.00	0.00		
SPACE	0.00	1.00	0.00		
LARGEST MOTOR 1	ABOVE	0.25	991.25		
TOTAL	5893.00		6961.00		

LOADS BY PHASE		DEMAND		BALANCE	
PHASE	CONNECTED LOAD (VA)	LOAD (AMPS)	(PERCENT)		
A	2286.50	19.05	A: 97.4		
B	2286.50	19.05	B: 93.7		
C	1260.00	10.50	C: 91.1		
TOTAL AVERAGE	5893.00	16.37	68.7		

NOTES:
1. THE LARGEST CONNECTED MOTOR LOAD IS INCLUDED IN MECHANICAL, PROCESS, OR MOTOR LOADS.

PANEL SCHEDULE - TP1A		TYPE	PANELBOARD	BUS SIZE	225	PHASES	3	NEUTRAL BUS	YES
		VOLTAGE	120/208	MAN BRK:	NONE	WIRES:	4	GROUND BUS:	YES
		ENCLOSURE	NEMA1	MOUNTING:	FLUSH	SC RATINGS:	10000		
LOAD TYPE	LOAD DESCRIPTION	AMPS	CKT#	A	CKT#	AMPS	LOAD TYPE	LOAD DESCRIPTION	
		POLES	LOAD	B	LOAD	POLES			
LIGHTING	SPACE LIGHTS	20A	1	A	3027	30A	MECH YEAR ROUND	CONDENSING UNIT	
		1P	300			2P			
RECEPTACLE	SPACE RECEPTACLES	20A	3	B	4	30A	MECH YEAR ROUND		
		1P	360		3027	2P			
SPACE			0	C	6	15A	MECH YEAR ROUND	FAN COOL UNIT	
			0			1P			
SPACE			0	A	8		SPACE		
			0						
SPACE			0	B	10		SPACE		
			0						
SPACE			0	C	12		SPACE		
			0						
SPACE			0	A	14		SPACE		
			0						
SPACE			0	B	16		SPACE		
			0						
SPACE			0	C	18		SPACE		
			0						
SPACE			0	A	20		SPACE		
			0						
SPACE			0	B	22		SPACE		
			0						
SPACE			0	C	24		SPACE		
			0						
SPACE			0	A	26		SPACE		
			0						
SPACE			0	B	28		SPACE		
			0						
SPACE			0	C	30		SPACE		
			0						
SPACE			0	A	32		SPACE		
			0						
SPACE			0	B	34		SPACE		
			0						
SPACE			0	C	36		SPACE		
			0						
SPACE			0	A	38		SPACE		
			0						
SPACE			0	B	40		SPACE		
			0						
SPACE			0	C	42		SPACE		
			0						

LOADS BY TYPE		DEMAND		BALANCE	
LOAD TYPE	CONNECTED LOAD (VA)	FACTOR	LOAD (VA)	LOAD (AMPS)	(PERCENT)
LIGHTING	300.00	1.25	375.00	A	A: 98.2
KITCHEN	0.00	0.00	0.00	B	B: 93.2
PROCESS	0.00	0.00	0.00	C	C: 37.9
RECEPTACLES	360.00	1.00	360.00		C.A. 37.9
MECH HEATING	0.00	1.00	0.00		
MECH COOLING	0.00	1.00	0.00		
MECH YEAR ROUND	7313.00	1.00	7313.00		
APPLANCE	0.00	1.00	0.00		
MISCELLANEOUS	0.00	1.00	0.00		
MOTOR	0.00	1.00	0.00		
SPACE	0.00	1.00	0.00		
LARGEST MOTOR 1	ABOVE	0.25	1513.25		
TOTAL	7973.00		9561.00		

LOADS BY PHASE		DEMAND		BALANCE	
PHASE	CONNECTED LOAD (VA)	LOAD (AMPS)	(PERCENT)		
A	3326.50	27.72	A: 98.2		
B	3386.50	28.22	B: 93.2		
C	1260.00	10.50	C: 37.9		
TOTAL AVERAGE	7973.00	22.15	57.8		

NOTES:
1. THE LARGEST CONNECTED MOTOR LOAD IS INCLUDED IN MECHANICAL, PROCESS, OR MOTOR LOADS.

PANEL FOR RETAIL SPACE TENANT #18 SEE PLANS FOR REFERENCE.		TYPE	PANELBOARD	BUS SIZE	225	PHASES	3	NEUTRAL BUS	YES
		VOLTAGE	120/208	MAN BRK:	NONE	WIRES:	4	GROUND BUS:	YES
		ENCLOSURE	NEMA1	MOUNTING:	FLUSH	SC RATINGS:	10000		
LOAD TYPE	LOAD DESCRIPTION	AMPS	CKT#	A	CKT#	AMPS	LOAD TYPE	LOAD DESCRIPTION	
		POLES	LOAD	B	LOAD	POLES			
LIGHTING	SPACE LIGHTS	20A	1	A	2	30A	MECH YEAR ROUND	CONDENSING UNIT	
		1P	300		3027	2P			
RECEPTACLE	SPACE RECEPTACLES	20A	3	B	4	30A	MECH YEAR ROUND		
		1P	360		3027	2P			
SPACE			0	C	6	15A	MECH YEAR ROUND	FAN COOL UNIT	
			0			1P			
SPACE			0	A	8		SPACE		
			0						
SPACE			0	B	10		SPACE		
			0						
SPACE			0	C	12		SPACE		
			0						
SPACE			0	A	14		SPACE		
			0						
SPACE			0	B	16		SPACE		
			0						
SPACE			0	C	18		SPACE		
			0						
SPACE			0	A	20		SPACE		
			0						
SPACE			0	B	22		SPACE		
			0						
SPACE			0	C	24		SPACE		
			0						
SPACE			0	A	26		SPACE		
			0						
SPACE			0	B	28		SPACE		
			0						
SPACE			0	C	30		SPACE		
			0						
SPACE			0	A	32		SPACE		
			0						
SPACE			0	B	34		SPACE		
			0						
SPACE			0	C	36		SPACE		
			0						
SPACE			0	A	38		SPACE		
			0						
SPACE			0	B	40		SPACE		
			0						
SPACE			0	C	42		SPACE		
			0						

LOADS BY TYPE		DEMAND		BALANCE	
LOAD TYPE	CONNECTED LOAD (VA)	FACTOR	LOAD (VA)	LOAD (AMPS)	(PERCENT)
LIGHTING	300.00	1.25	375.00	A	A: 98.2
KITCHEN	0.00	0.00	0.00	B	B: 93.2

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115 SECOND STREET
EAGLE, COLORADO 81631
TOWN OF EAGLE

DATE	ISSUED FOR
04/28/2020	PERMIT SET
09/15/2020	PERMIT REVISED
10/02/2020	PERMIT REVISED
10/19/2020	PERMIT REVISED



DATE	BY	SCALE
10/19/2020	20-212	AS SHOWN

E2-10

PANEL SCHEDULE - TP2A (SEE PLANS FOR REFERENCE)

LOAD TYPE	LOAD DESCRIPTION	TYPE VOLTAGE ENCL. NEMA1	PANELBOARD 1500V	BUS SIZE MAIN BRKR. MOUNTING		225 NONE FLUSH	PHASES WIRES 4 10000	NEUTRAL BUS GROUND BUS YES	YES
				AMPS POLES	DKTR LOAD				
LIGHTING	SPACE LIGHTS		25A 3P	300	A	2	30A 2P	MECH YEAR ROUND	CONDENSING UNIT
RECEPTACLE	SPACE RECEPTACLES		25A 3P	300	B	2	30A 2P	MECH YEAR ROUND	---
SPACE	---		---	5	C	6	15A 1P	MECH YEAR ROUND	FAN COOL UNIT
SPACE	---		---	7	A	8	---	SPACE	---
SPACE	---		---	8	B	10	---	SPACE	---
SPACE	---		---	9	0	0	---	SPACE	---
SPACE	---		---	11	C	12	---	SPACE	---
SPACE	---		---	13	A	14	---	SPACE	---
SPACE	---		---	15	B	16	---	SPACE	---
SPACE	---		---	17	C	18	---	SPACE	---
SPACE	---		---	19	A	20	---	SPACE	---
SPACE	---		---	21	B	22	---	SPACE	---
SPACE	---		---	23	C	24	---	SPACE	---
SPACE	---		---	25	A	26	---	SPACE	---
SPACE	---		---	27	B	28	---	SPACE	---
SPACE	---		---	29	C	30	---	SPACE	---
SPACE	---		---	31	A	32	---	SPACE	---
SPACE	---		---	33	B	34	---	SPACE	---
SPACE	---		---	35	C	36	---	SPACE	---
SPACE	---		---	37	A	38	---	SPACE	---
SPACE	---		---	39	B	40	---	SPACE	---
SPACE	---		---	41	C	42	---	SPACE	---
SPACE	---		---	0	0	0	---	SPACE	---

LOADS BY TYPE				LOADS BY PHASE			
LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	PHASE	CONNECTED LOAD (VA)	CONNECTED LOAD (AMPS)	BALANCE (PERCENT)
LIGHTING	300.00	1.25	375.00	A	2442.50	20.35	A-B: 97.8
KITCHEN	0.00	0.00	0.00	B	2502.50	20.85	B-C: 93.3
PROCESS	0.00	1.00	0.00	C	1360.00	10.50	C-A: 51.6
RECEPTACLES	360.00	1.00	360.00				
MECH HEATING	0.00	1.00	0.00				
MECH COOLING	0.00	1.00	0.00				
MECH YEAR ROUND	5545.00	1.00	5545.00				
APPLIANCE	0.00	1.00	0.00				
MISCELLANEOUS MOTOR	0.00	1.00	0.00				
SPACE	0.00	1.00	0.00				
LARGEST MOTOR 1	0.00	0.25	1071.25				
TOTAL	6205.00		7351.00		6205.00	17.24	66.5

NOTES:
1. THE LARGEST CONNECTED MOTOR LOAD IS INCLUDED IN MECHANICAL, PROCESS, OR MOTOR LOADS.

PANEL SCHEDULE - TP2B (SEE PLANS FOR REFERENCE)

LOAD TYPE	LOAD DESCRIPTION	TYPE VOLTAGE ENCL. NEMA1	PANELBOARD 1500V	BUS SIZE MAIN BRKR. MOUNTING		225 NONE FLUSH	PHASES WIRES 4 10000	NEUTRAL BUS GROUND BUS YES	YES
				AMPS POLES	DKTR LOAD				
LIGHTING	SPACE LIGHTS		25A 3P	300	A	2	30A 2P	MECH YEAR ROUND	CONDENSING UNIT
RECEPTACLE	SPACE RECEPTACLES		25A 3P	300	B	2	30A 2P	MECH YEAR ROUND	---
SPACE	---		---	5	C	6	15A 1P	MECH YEAR ROUND	FAN COOL UNIT
SPACE	---		---	7	A	8	---	SPACE	---
SPACE	---		---	8	B	10	---	SPACE	---
SPACE	---		---	9	0	0	---	SPACE	---
SPACE	---		---	11	C	12	---	SPACE	---
SPACE	---		---	13	A	14	---	SPACE	---
SPACE	---		---	15	B	16	---	SPACE	---
SPACE	---		---	17	C	18	---	SPACE	---
SPACE	---		---	19	A	20	---	SPACE	---
SPACE	---		---	21	B	22	---	SPACE	---
SPACE	---		---	23	C	24	---	SPACE	---
SPACE	---		---	25	A	26	---	SPACE	---
SPACE	---		---	27	B	28	---	SPACE	---
SPACE	---		---	29	C	30	---	SPACE	---
SPACE	---		---	31	A	32	---	SPACE	---
SPACE	---		---	33	B	34	---	SPACE	---
SPACE	---		---	35	C	36	---	SPACE	---
SPACE	---		---	37	A	38	---	SPACE	---
SPACE	---		---	39	B	40	---	SPACE	---
SPACE	---		---	41	C	42	---	SPACE	---
SPACE	---		---	0	0	0	---	SPACE	---

LOADS BY TYPE				LOADS BY PHASE			
LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	PHASE	CONNECTED LOAD (VA)	CONNECTED LOAD (AMPS)	BALANCE (PERCENT)
LIGHTING	300.00	1.25	375.00	A	2442.50	20.35	A-B: 97.8
KITCHEN	0.00	0.00	0.00	B	2502.50	20.85	B-C: 93.3
PROCESS	0.00	1.00	0.00	C	1360.00	10.50	C-A: 51.6
RECEPTACLES	360.00	1.00	360.00				
MECH HEATING	0.00	1.00	0.00				
MECH COOLING	0.00	1.00	0.00				
MECH YEAR ROUND	5545.00	1.00	5545.00				
APPLIANCE	0.00	1.00	0.00				
MISCELLANEOUS MOTOR	0.00	1.00	0.00				
SPACE	0.00	1.00	0.00				
LARGEST MOTOR 1	0.00	0.25	1071.25				
TOTAL	6205.00		7351.00		6205.00	17.24	66.5

NOTES:
1. THE LARGEST CONNECTED MOTOR LOAD IS INCLUDED IN MECHANICAL, PROCESS, OR MOTOR LOADS.

RESPONSIBLE DIVISION

UNLESS OTHERWISE INDICATED, ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE, AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER	CONTROL
EQUIPMENT COMBINATION MAGNETIC MOTOR STARTERS MAGNETIC MOTOR STARTERS AND CONTACTORS	23	23	26	--
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26(1)	26(1)	26	--
MANUAL OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE) AND TIME SWITCHES	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLUTION VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)	--	23(2)
PUSH BUTTON STATIONS AND PILOT LIGHTS	23	23(2)	--	23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

SUBSCRIPT FOOTNOTES:

- UNDER DIVISION 23 IF FURNISHED FACTORY-WIRED AS PART OF EQUIPMENT OR IF FURNISHED WITH COMBINATION STARTERS
- IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.