Addendum No. 3
August 2, 2024

Project: Brandon Valley Elementary School
Brandon, South Dakota
Project #3023

Architect: Architecture Incorporated

Letting: **2:00 p.m. (prevailing local time)**
Thursday, August 8, 2024
Brandon Valley School District Administration Center Conference Room
300 South Splitrock Boulevard
Brandon, South Dakota

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

1) SECTION 096723 – RESINOUS FLOORING

a) Replace original specification Section 096723 with *NEW* Section 096723 – *Resinous Flooring* (dated July 29, 2024) attached to the end of Addendum #3; (this is the attachment for Item #2 in the Addendum #2).

2) SECTION 230800 – VENTILATION AND AIR CONDITIONING

a) *Modify Article 1.03 - Fabric Dust System as follows*:

i) Air diffusers shall be constructed of a woven fire retardant fabric complying with the following physical characteristics:

1) Fabric Construction: 100% Flame Retardant
2) Weight: 5.2 oz. /yd2 per ASTM D3776
3) Color: By Architect/Owner from standard color chart.
4) Air Permeability: 2 (+2/-1) cfm/ft2 per ASTM D737, Frazier
5) Temperature Range: 0 degrees F to 180 degrees F
6) Fire Retardancy: Classified by Underwriters Laboratories in accordance with the requirements of NFPA 90-A and AC-167 (noted above).

3) SECTION 230900 – AUTOMATIC TEMPERATURE CONTROL / BAS

a) *Modify Article 1.21 - Sequence of Operation as follows*:

i) The Contractor shall provide a power meter and current transformers to monitor the voltage and current parameters of the electrical services to the building. This contractor shall use the metered energy and usage information to limit the peak electrical demand through programming of all applicable points that are connected to the BAS. The electrical contractor will provide an exterior wall mounted CT cabinet, the electrical service raceways and conductors, and the associated connections. This contractor shall

utilize the CT cabinet to accommodate installation of a class 0.2 revenue grade power meter kit. The power meter kit shall be a Siemens MD-BMED, or equal. Coordinate electrical requirements with Div. 16. The BAS Contractor shall provide all necessary programming for peak demand limiting through all applicable points that are connected to the BAS.

ii) The BAS shall not let the Chiller set demand for the building. The chiller shall be first stage of cooling, as long as, it is not setting demand. Stage the chiller and modulate the ice storage pump to maintain chilled water set point. At 8PM (adj) the chiller shall go into ice making mode to replenish the ice storage tanks.

4) SECTION 264420 – PANELBOARDS

a) Delete Article No. 2.8; metering is not required at main distribution panel "MDP".

5) SECTION 277400 – COMMUNICATIONS & DATA PROCESSING EQUIPMENT

a) *Article 2.6:* In lieu of the specified outlets, outlets shall be gray double gang decora style with:

iii) A white bristle brush decora insert where the HDMI, USB C, and USB 3.2 cables will route to equipment at the teacher and promethean board locations.

iv) A 6 port décora insert where RCA jacks and binding posts are located.

1) Jack terminations shall be equal to Leviton 40735-RWW (RCA white stripe with white housing), 40735-RRW (red stripe with white housing), 40833-BER (red binding post with black housing, and 40833-BEE (black binding post with black housing).

b) Paragraph 2.8 A: Category 6 UTP cable shall be used to connect RCA jacks (blue pair and orange pair shall be used).

c) Paragraph 2.8 B: AV cables shall be as follows:

i) Active optical HDMI 15, plenum rated (equal to TripLite BK-P568F-15M-8K6).

ii) Active optical USB 3.2 A to B male, 15 meter length, plenum rated (equal to TripLite U328F-15M).

iii) Active optical USB type C, 15 meter length, full video, plenum rated (equal to TripLite U420F-15M-V).

d) Paragraph 2.8 C: Speaker Cable shall be equal to West Penn 228 with (1) twisted, shielded pair, 14-gauge wire. Cable to be Class 2, non-plenum rated.

e) Paragraph 2.9 A: Fiber-optic cabling shall be OM4.

6) SHEET 1.10 – GENERAL INFORMATION

a) *Fire Extinguisher Mounting Height Clarification:* The top of the fire extinguishers shall be mounted at 4'-8".

b) Detail 3/1.10 – 2 HR Fire Wall – Parallel to Joists

i) Change note '*EXTEND MASONRY TO DECK AT TOP OF WALL*' to '*EXTEND STUD PARTITION AND SEAL TO ROOF DECK*'.

ii) Delete note '*BOND BEAM, SEE STRUCTURAL DRAWINGS*'.

iii) Delete note '*STEEL BAR JOIST, STRUCTURAL DRAWINGS'.*

iv) Reference structural drawing detail 2/3.52 for burn clip connections.

7) SHEETS 2.30. 2.50, 2.60 – SITE PLANS

a) Clarification of the scope of work at Sunshine Avenue:

i) A separate street construction contract will be prepared for the construction of Sunshine Avenue. The anticipated construction schedule of the street is in 2025.

ii) The School Contractor shall stop excavation at the west property line. No excavation under street ROW.

iii) The School Contractor shall include the concrete driveway approaches, flared concrete sidewalk and the 10' wide concrete sidewalk on the east edge of the street curb after the curb has been poured by the Street contractor in 2025.

iv) The Street Contractor will provide all excavation under the street ROW.

v) The Street Contractor will provide concrete curb and gutters and asphalt paving of the street.

8) SHEET 2.31 – ENLARGED SITE PLAN – SOUTH PARKING

a) Reference *revised* Sheet 2.31, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) Add a note *Concrete Sidewalk Curb cut With Detachable Warning Panel* – as indicated.

ii) Furnish and install 4" PVC sleeve with metal detector ends at the locations as indicated.

9) SHEET 2.32 – ENLARGED SITE PLAN – WEST PARKING

a) Reference *revised* Sheet 2.32, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) Furnish and install 4" PVC Sleeve with metal detector ends at the locations as indicated.

ii) Furnish and install 8'-0" high chain link gates with *privacy slats* at mechanical yard -as indicated.

iii) Furnish and install 16'-0" wide by 6'-0" high chain link gates with *privacy slats* at trash enclosure as indicated.

10) SHEET 2.33 – ENLARGED SITE PLAN – SOUTH PLAYGROUND

a) Reference *revised* Sheet 2.33, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) *Dimension Clarification*: Reference *revised* Sheet 2.33, for additional playground dimensions.

11) SHEET 2.51– PAVEMENT PLAN

a) See Architectural Sheet 2.33 and Sheet G4.10 for 5'-0" wide concrete apron in front of overhead doors on the east side of Bus Garage.

12) SHEET 3.11 – FOOTING AND FOUNDATION PLAN – AREA A

a) Omit concrete stoop shown originally on the east side of COMMONS; there is no exterior door at this location.

b) Door into Tray Return door # A120 shifted 8" to provide lintel bearing.

c) Slope slab-on grade in the Exterior Storage Al110; reference *revised* Architectural Sheet 4.10A (Addendum #3) for additional information.

13) SHEET 3.12 – FOOTING AND FOUNDATION PLAN – AREA B

a) Reference *revised* Sheet 3.12, *revision* dated 8-1-2.24 attached to the end of Addendum #3 for the following modifications:

i) Remove 8x8X5/16" column between sidelight and door at entrance into early child room B141 as indicated .

ii) Provide (2) #5 full height extended hooked bars into footing. Match vertical bars at 8" masonry between openings full height as noted.

14) SHEET 3.13 – FOOTING AND FOUNDATION PLAN – AREA C

a) Reference *revised* Sheet 3.13, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Remove 8x8X5/16" column between sidelight and door C102 as indicated. Provide (2) #5 full height extended hooked bars into footing. Match vertical bars at 8" masonry between openings full height as noted.

ii) Provide F3 pad footing as indicated.

iii) Remove 8x8X5/16" column between sidelight and door C115 as indicated. Provide (2) #5 full height extended hooked bars into footing. Match vertical bars at 8" masonry between openings full height as noted.

15) SHEET 3.14 – FOOTING AND FOUNDATION PLAN – AREA D

a) Reference *revised* Sheet 3.14, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Remove 8x8X5/16" column between sidelight and doors and between door and door opening into classrooms as indicated. Provide (2) #5 full height extended hooked bars into footing. Match vertical bars at 8" masonry between openings full height as noted.

ii) Reference *New* detail 10/3.44 for masonry pilaster between doors as clouded. Reinforcing at pilaster shall hook into footing and be continuous full height. Grout masonry pilaster and reinforced jamb cores solid as noted.

iii) Reference New detail 11/3.44 for lintel framing elevation at high wind shelter openings.

16) SHEET 3.21 – ROOF FRAMING PLAN – AREA A

a) Provide 8" masonry lintel bearing at door into Tray Room A120 as indicated in the revised Sheet 3.21, *revision* dated 8-1-2024, attached to the end of Addendum #3. *Note to precaster to provide embed plate for lintel connection was removed.*

17) SHEET 3.22 – ROOF FRAMING PLAN – AREA B

a) Reference *revised* Sheet 3.22, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Adjust joist spacings to miss non-load bearing partition walls to deck as indicated; add an additional joist as clouded.

ii) Omit H3 Header at interior door in Vestibule B135 as indicated. Reference Arch for head detail and hook into footing and be continuous full height. Grout masonry pilaster and reinforced jamb cores solid as noted.

iii) Remove 8x8X5/16" column between sidelight and door at entrance into early child room B141 as clouded. Provide (2) #5 full height vertical bars at 8" masonry between openings full height as noted.

iv) Provide L4 (2-SPAN) lintel condition as noted.

v) Modify L9 Lintel in the header and lintel schedule to a L7x7x5/16 BENT PLATE as indicated. The locations where an L9 lintel occurs are clouded on plan.

18) SHEET 3.23 – ROOF FRAMING PLAN – AREA C

a) Reference *revised* Sheet 3.23, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Adjust joist spacings to miss non-load bearing partition walls to deck as clouded. Add an additional joist as indicated.

ii) Omit H3 Header at interior door in Vestibules C119 and C108 as noted. Reference Arch for head detail and bracing.

iii) Remove 8x8X5/16" column between sidelight and door at entrance into kindergarten C102 as clouded. Provide (2) #5 full height vertical bars at 8" masonry between openings full height as noted and clouded. Provide L4 (2-SPAN) lintel condition as clouded.

iv) Remove 8x8X5/16" column between sidelight and door at entrance into computer C115 as clouded. Provide (2) #5 full height vertical bars at 8" masonry between openings full height as noted and clouded. Provide L4 (2-SPAN) lintel condition as clouded.

19) SHEET 3.24 – ROOF FRAMING PLAN – AREA D

a) Reference *revised* Sheet 3.24, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Adjust joist spacings to miss non-load bearing partition walls to deck as indicated Add an additional joist as clouded.

ii) Omit H3 Header at interior door in Vestibules D103, D106, D115 and D118 as indicated. Reference Arch for head detail and bracing.

iii) Provide Steel Baffle at sink plumbing penetration through the floor of the mechanical room corefloor into the lid of the high wind shelter as indicated

.

iv) Remove 8x8X5/16" columns between sidelight and doors and between door and door openings into classrooms as clouded. See arch and reference added detail 10/3.44 for masonry pilaster between doors as clouded. Reinforcing at pilaster shall hook into footing and be continuous full height. Grout masonry pilaster and reinforced jamb cores solid as noted and clouded.

v) Reference added detail 11/3.44 for framing elevation at high wind shelter openings.

vi) Provide L4 (2-SPAN) lintel conditions as indicated.

20) SHEET 3.44 – STRUCTURAL DETAILS

a) Add *NEW* details 10 and 11; reference *revised* Sheet 3.44, *revision* dated 8-1-2024 attached to the end of Addendum #3.

21) SHEET 3.50 – STRUCTURAL SECTIONS

a) Reference *revised* Sheet 3.50, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the revised framing section 6/3.50.

22) SHEET 3.57 – STRUCTURAL DETAILS

a) Reference *revised* Sheet 3.57, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Omit column and detail reference 2/3.60 from detail 2/3.57 as indicated.

ii) Omit column and column references from detail 2/3.57 as indicated.

23) SHEET 3.60– STRUCTURAL DETAILS

a) Omit detail 2/3.60; this detail is no longer used.

24) SHEET 3.63– STRUCTURAL DETAILS

a) Omit detail 2/3.63; this detail is no longer used.

25) SHEET 4.10A – FLOOR PLAN – AREA A

a) Reference *revised* Sheet 4.10A, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) The fire extinguisher originally noted as fully recessed on the south wall of COMMONS A101 shall be changed to semi-recessed; *FESR* as indicated.

ii) Slope floor for drain in EXTERIOR STORAGE A110 as indicated; reference to mechanical addendum #3 for additional information.

26) SHEET 4.10B – FLOOR PLAN – AREA B

a) Reference *revised* Sheet 4.10B, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) The borrowed lite window *Type 5* located at the west end of south wall of MEDIA B120 has been slid 8" to the west as indicated.

ii) The steel tube shown originally at the door jamb at door B141 has been changed to *8" concrete masonry block wall*.

iii) Change wall type between Art Storage B118 and Art B119 from wall type 'A6' to wall type 'A3'.

27) SHEET 4.10C – FLOOR PLAN – AREA A

a) Reference *revised* drawing Sheet 4.10C, *revision* dated 8-2-2024, attached to the end of Addendum #3 for the following modification:

i) Add a note to semi-recessed fire extinguisher located on the west wall of CORRIDOR B112 – as indicated.

28) SHEET 4.10D – FLOOR PLAN – AREA D

a) Reference *revised* drawing Sheet 4.10D, *revision* dated 8-2-2024, attached to the end of Addendum #3 for the following modification:

i) Slide doors D128-1, D138 and adjacent storm rated sidelites *8"* to the south as indicated.

ii) Slide doors D129-1, D137 and adjacent storm rated sidelites *8"* to the north as indicated.

iii) The west end of wall between TUTOR D128 and SPEECH D129 has been changed to 8" CMU wall as indicated; refer to structural addendum #3 for additional information.

iv) The east end of wall between TEST D136 and TEST D138 has been changed to 8" CMU wall as indicated; refer to structural addendum #3 for additional information.

v) Door D135 has been slid 8" to the north as indicated.

vi) The number of lockers along the east wall of POD COMMONS 123 and west wall of POD COMMONS D125 have been updated as indicated.

vii) The interior storefronts at VESTBULES D103 and D106 have been slid 1'-0" to the north as indicated.

viii) The numbers of lockers along the hallway walls immediately south of VESTIBULES D103 and D106 have been revised as indicated.

29) SHEET 4.30 – DOOR SCHEDULE & BORROWED LITE SCHEDULE

a) The doors at door openings A102-4 and A109-1 shall be changed to (non-thermally broken) insulated aluminum doors installed in (non-thermally broken) aluminum door frames; disregard all reference to insulated HM doors and HM door frames.

i) Door Thickness: 1 ¾-inch.

ii) Door Design: Wide stile.

1) Bottom Rail: 6 ½-inch high.
2) Top Rail & Midrail: 5-inch high.

iii) Glazing / In-Fill Panels: Prefinished, insulated metal spandrel panels.

1) Basis-of-Design: Mapes-R insulated glazing in-fill panels as manufactured by *Mapes Industries, Inc*.

(a) Glazing Thickness: 1-inch.

(b) Exterior Face Sheets: 0.020-inch- (0.50-mm-) minimum thickness aluminum sheet (ASTM B 209 (ASTM B 209M).

(i) Finish: Clear anodized.
(ii) Texture: Smooth.

(c) Interior Face Sheets: 0.020-inch- (0.50-mm-) minimum thickness aluminum sheet (ASTM B 209 (ASTM B 209M).

(i) Finish: Clear anodized.
(ii) Texture: Smooth.

(d) Core: Rigid, closed-cell isocyanurate thermal insulation with an aged thermal-resistivity value of 7.2 deg F x h x sq. ft/BTU x in. at 75 deg F (50 K x m/W at 24 deg C).

(e) Edge Configuration: [**Sealed**].

iv) Door and Frame Finish: Clear Anodized.

b) FRAME TYPES – Frame type 5 - change the head from 4” to 2”.

c) DOOR SCHEDULE:

a) Doors A100-1, A100-2 & A100-3 – change head detail from 2/5.42 to 3/5.42.
b) Doors A100-4, A100-5 & A100-6 – change head detail from 16/5.16 to 16/5.14.
c) Door A102-1 – change frame type from type ‘2’ to type ‘1’. Add head detail 8/4.32 and jamb detail 8/4.32.
d) Door A102-2 – change frame type ‘2’ to type ‘1’.
e) Door A102-3 – change frame type ‘2’ to type ‘1’.
f) Door A102-4 – Change pair of doors from hollow metal doors and frame to insulated aluminum doors (wide style) and aluminum frame. Door type to remain ‘A’. Door jamb – 4 1/2”. Hardware group #2 to

remain – except remove kick plates, hinges, weatherstripping and door sweep to be provided by aluminum door supplier.

g) Door A103 – change head detail from 10/4.31 to 8/4.32. Change jamb detail from 11/4.31 to 8/4.32.
h) Door A107 – Change head detail from 10/4.31 to 8/4.32 and jamb detail from 11/4.31 to 8/4.32.
i) Door A109-2 – add jamb detail 9/4.31.
j) Door A109-1 – Change door from hollow metal door and frame to insulated aluminum door (wide style) and aluminum frame. Door type to remain 'C' with insulated safety glass. Door jamb – 4 1/2". Hardware group #8 to remain – except remove kick plate, hinges, weatherstripping and door sweep to be provided by aluminum door supplier.
k) Door A110-2 – change door type from 'C' to type 'D'.
l) Door A113 – change door type from 'A' to type 'C'.
m) Door A117 – change door type from 'A' to type 'C'.
n) Door A122 – change head detail from 1/5.43 to 3/5.43.
o) Door A127 – change head detail from 19/4.31 to 7/4.31.
p) Door A128-1 – change jamb detail from 8/4.31 to 5/4.32.
q) Door A128-2 – change jamb detail from 8/4.31 to 5/4.32.
r) Door B108-1 – add sidelite glass '1/4" SFTY'.
s) Door B108-2 – add sidelite glass '1/4" SFTY'.
t) Door B118 – change jamb detail from 3/4.31 to 1/4.31, jamb detail from 4/4.31 to 2/4.31. Change jamb depth from 8 1/4" to 5 3/4".
u) Door B119 - Change head detail from 20/4.31 to 10/5.44 sim.
v) Door B120-1 – change door from type 'A' to type 'B'. Change head detail from 20/4.31 to 10/5.44 and jamb detail from 4/4.31 to 2/4.31.
w) Door B126A – omit reference to '1/4" SFTY' sidelite glass.
x) Door B128A – change door from type 'AA' to type 'CC'. Change head detail from 10/4.31 to 1/4.31.
y) Doors B129, B131, B133, B137, B139 – add jamb detail 1/4.34.
z) Door B141 – Change frame type from '1' to '2'. Change head detail from 6/4.32 to 7/4.31 (provide gypsum board soffit like detail 20/4.31) and jamb detail from 7/4.32 to 5.4.32 sim. Change jamb depth from 7" to 5 3/4".
aa) Door B144 – add head detail 6/4.32 and jamb detail 7/4.32.
bb) Door B145 – change head detail from 20/4.31 to 10/5.44 sim. and jamb detail from 21/4.31 to 5/4.32.
cc) Door C100 – change door type from 'AA' to 'CC'.
dd) Door C101 – add jamb detail 1/4.32.
ee) Door C102 – remove the word 'STORM' from sidelite glass. Change head detail from 7/4.31 to 20/4.31 and jamb detail from 3/4.35 to 20/4.31 and jamb detail from 3/4.35 to 1/4.34 and 5/4.32.
ff) Door C106 – change frame from type '3' to type '4'.
gg) Door C109 – change frame from type '3' to type '4'.
hh) Doors C111 & C113 – Add jamb detail 1/4.34.
ii) Door C115 – remove the word 'STORM' from sidelite glass. At head of door, provide gypsum board soffit similar to detail 10/5.44.
jj) Door C116 – change head detail from 20/4.31 to 10/5.44 sim. and jamb detail from 21/4.31 to 5/4.32 and 2/4.35.
kk) Doors C117-1 & C117-2 – add head detail 5/4.31 and jamb detail 6/4.31.
ll) Door C118 – Change head detail from 20/4.31 to10/5.44 sim. and jamb detail from 21/4.31 to 5/4.32 and 1/4.34.
mm) Door C120-1 – change head detail from 20/4.31 to 10/5.44 sim. Add jamb detail 5/4.32.
nn) Door C120-2 – add head detail 16/4.32 and jamb detail 7/4.32.
oo) Door D100 – add jamb details 5/4.32 and 14/4.34
pp) Doors D101, D102, D107 & D108 - change head detail from 20/4.31 to 10/5.44 sim.
qq) Door D104 – change jamb detail 21/4.31 to 5/4.32.

rr) Door D105 – change jamb detail 21/4.31 to 5/4.32.
ss) Door D109 - add jamb details 5/4.32 & 14/4.34.
tt) Door D111 – change jamb detail 21/4.31 to 14/4.34 & 5/4.32.
uu) Door D112 – Add jamb detail1/4.34.
vv) Door D113 – change head detail to 10/5.44 sim.
ww) Door D114 – change head detail from 20/4.31 to 10/5.44 sim. and add jamb detail 22/4.31.
xx) Door D116 – change jamb detail 21/4.31 to 5/4.32.
yy) Door D117 – change jamb detail 21/4.31 to 5/4.32.
zz) Door D119 - change head detail from 20/4.31 to 10/5.44 sim.
aaa) Door D120 - change head detail from 20/4.31 to 10/5.44 sim
bbb) Door D121 – change jamb detail from 1/4.33 to 1/4.34.
ccc) Door D122 - change jamb detail 21/4.31 to 5/4.32 & 14/4.34.
ddd) Door D130-1 – add jamb detail 8/4.31.
eee) Door D134 – change jamb detail from 3/4/31 to 7/4.31 and jamb detail from 4/4.31 to 8/4.31.
fff) Door D135 – change jamb detail from 3/4/31 to 7/4.31 and jamb detail from 4/4.31 to 8/4.31.
ggg) D136 - Door D130-1 – add jamb detail 8/4.31.

30) SHEET 4.31 – DOOR AND BORROWED LITE DETAILS

a) Detail 19/4.31 – head of hollow metal frame shall be 2” in lieu of 4” shown.

b) Detail 20/4.31 – install continuous ‘J-mold’ at the top and bottom of gypsum board where it abuts the steel beam. Bottom of soffit elevation is 8’-8”.

31) SHEET 4.34 – PLAN DETAIL

a) Detail 14/4.34 – Plan Detail – Area D Clarification: Extend 6” steel stud wall on grids H and L to steel tube column at doors D100, D109, D111, and D122 as shown on floor plan Sheet 4.10D.

32) SHEET 4.53 – INTERIOR ELEVATIONS

a) Elevation 1/4.53- B112 Corridor – North a

i) Wall above door B119 into Art B119 shall be steel studs in lieu of masonry as shown on this elevation.

ii) Door B120-1 - HM frame to have 2” head as scheduled in door schedule in lieu of 4” head as shown on this elevation (into Media Center B120).

iii) Doors B120-2 - HM frame to have 2” head as scheduled in door schedule in lieu of 4” head as shown on this elevation (into Media Center B120).

b) Elevation 7/4.53- B120 Media – South

i) The borrowed lite window *Type 5* located at the west end of south wall of Media Center B120 has been slid 8” to the west as indicated.

33) SHEET 4.54 – INTERIOR ELEVATIONS

a) Elevation 1/4.54 - B128 POD Commons – East

i) Steel tube column originally shown between Door B141 and sidelite has been changed to 8" *Concrete Masonry Block* as shown on this elevation.

34) SHEET 4.55 – INTERIOR ELEVATIONS

a) Elevation 4/4.55 – C100 Pod Commons

i) Omit steel tube column originally shown between Door C102 as shown on this elevation.

b) Elevation 5/4.55 – D123 Pod Commons – East a

i) Omit Steel tube column originally shown between Door D128-1 and sidelite as shown on this elevation.

ii) Number of lockers has been revised as indicated.

35) SHEET 4.56 – INTERIOR ELEVATIONS

a) Elevation 1/4.56 – D123 Pod Commons – East b

i) Omit Steel tube column originally shown between Doors D129-1 and D130-1 and adjacent sidelites as shown on this elevation.

ii) Number of lockers has been revised as indicated.

b) Elevation 4/4.56 – D123 Pod Commons – West b

i) Revise number of lockers as indicated.

36) SHEET 4.57 – INTERIOR ELEVATIONS

a) Elevation 2/4.57 – D125 Pod Commons – East b:

i) Revise number of lockers as indicated.

b) Elevation 3/4.57 – D125 Pod Commons – West a:

i) Omit Steel tube column originally shown between Doors D137 and D138 and adjacent sidelites as shown on this elevation.

ii) Number of lockers has been revised as indicated.

c) Elevation 4/4.57 – D125 Pod Commons – West b:

i) Omit Steel tube column originally shown between Door D136 and sidelite as shown on this elevation.

ii) Number of lockers has been revised as indicated.

37) SHEET 5.14 – WINDOW AND STOREFRONT DETAILS

a) Reference *revised* Sheet 5.14, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) Head Detail 1/5.14 – Provide sloped mortar at recessed brick *(Typical).*

ii) Jamb Detail 2/5.14 – Omit note 'Triple Brick' originally noted; there is no triple brick utilized in the project.

iii) Detail 8/5.14 - Head Detail @ Storm Shelter Window has been revised as indicated.

iv) Detail 20/5.14 – Typical *New* jamb detail at storm shelter window has been added.

38) SHEET 5.44 – SECTION DETAILS

a) Reference *revised* Sheet 5.44, *revision* dated 8-2-2024, attached to the end of Addendum #3 for following modifications:

i) Detail 7/5.44 - Detail – Area B @ Media Center: Furnish and install 1/2" thick glass mat sheathing and weather barrier in front of wood blocking at the storefront head on the exterior side as indicated. Furnish and install 5/8" gypsum board around the wood blocking on the interior side as indicated.

ii) Detail 9/5.44 – Detail – Area B @ Media Center: Furnish/install 2" perimeter foundation insulation at foundation wall. (Perimeter foundation insulation to be installed at all exterior foundation walls).

iii) Detail 10/5.44 – change hollow metal frame head from 4" to 2". Add bottom of soffit elevation 8'-8".

39) SHEET 5.46 – SECTION DETAILS

a) Detail 7/5.46 – add continuous 'j-mold' at bottom of gypsum board/top of steel beam condition. Typical at clerestory beam conditions.

40) SHEET 7.20 – CASEWORK SECTIONS

a) Detail 12/7.20 – Metal Locker- see attached revised drawing sheet 7.20 for revised keynotes on this detail. condition. Typical at clerestory beam conditions.

41) SHEET G4.10 – BUS GARAGE FLOOR & CEILING PLANS & FINISH SCHEDULE

a) Reference revised Sheet G4.10, revision dated 8-2-2024 attached to the end of Addendum #3 for following modifications:

i) Added notes at stoop as indicated – see concrete stoop detail on Sheet 9/2.34.

ii) Relocate semi - recessed fire extinguisher on the south wall of WOMEN G102 as indicated.

iii) Provide and install electric water cooler on the east wall of Hall G103 as indicated.

iv) Shift east wall of OFFICE G105 and MECH G105 6" to the west as indicated.

v) Relocate wall mounted fire extinguisher originally shown on the column along grid C to grid D as indicated.

vi) Relocate wall mounted fire extinguisher originally shown on the column along grid C to grid D as indicated.

vii) Added a note to wall mounted fire extinguisher shown on the north wall of Bus Garage; *FEWM* - as indicated.

viii) Furnish and install prefabricated trench drain - top of grate shall be at -0'-6" as indicated; see mechanical drawings for additional information.

42) SHEET G4.30 – DOOR SCHEDULE AND DETAILS (ADD ALTERNATE #1)

a) Door Schedule:
   i) Door G106–2 – change door type from 'C' to type 'A' and omit 1" Insl Sfty door glazing.
   ii) Door #G108 – change door type from type 'C' to type 'D' with a 4" x 25" vision lite. (Reference drawing sheet 4.30 for type 'D' door elevation.

b) Detail 8/G4.30 – at concrete apron outside of overhead doors, provide 24" granular fill below 5'-0 concrete apron in lieu of 8" dimension shown, full length of concrete apron.

43) SHEET G5.10 – EXTERIOR ELEATIONS & BUILDING SECTIONS – BUS GARAGE

a) Omit downspout originally shown on the North Elevation A/G5.10.

44) SHEET G5.40 – SECTION DETAILS – BUS GARAGE (ADD ALTERNATE #1)

a) Omit trench drain detail 9/G5.40 originally shown on Sheet G5.40. Trench drain will be prefabricated as shown on mechanical drawings.

MECHANICAL ITEMS:

45) GENERAL ITEMS

a) Add the following general note to all sheets:

i) Coordinate all mechanical penetrations through storm shelters with general contractor. Mechanical penetrations into or out of a storm shelter shall be protected from incoming projectiles by concrete baffles or other approved methods and materials per ICC 500.

46) SHEET 8.20 – UNDERFLOOR PLAN -AREA A -PLUMBING

a) Add floor sink and associate piping as indicated on the *revised* sheet, revision dated 8-1-2024 attached to the end of Addendum #3.

47) SHEET 8.22 – UNDERFLOOR PLAN -AREA C - PLUMBING

a) Modify DS piping routing as indicated on the *revised* sheet 8.22, revision dated 8-1-2024 attached to the end of Addendum #3.

48) SHEET 8.24 – FLOOR PLAN - AREA A – PLUMBING & HEATING

a) *Girls Changing A104, Janitor A105 and Boys Changing A106* : Add note regarding mechanical penetrations of a storm shelter; refer to *revised* sheet 8.24, revision dated 8-1-2024 attached to the end of Addendum #3.

49) SHEET 8.25 – FLOOR PLAN -AREA B – PLUMBING & HEATING

a) Reference *revised* sheet 8.25, revision dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Work Room B121:
   1) Modify 3" DS piping & drop location as indicated.
   2) Modify sink vent piping & VTR location as indicated.

ii) Early child B141:
   1) Add note regarding mechanical penetrations of a storm shelter; refer to *revised* drawing sheet 8.25, Addendum #3, dated 8-1-24.

50) SHEET 8.26 – FLOOR PLAN - AREA C – PLUMBING & HEATING

a) *Kindergarten C102 and Boys Computer C115* : Add note regarding mechanical penetrations of a storm shelter; refer to *revised* sheet 8.24, revision dated 8-1-2024 attached to the end of Addendum #3.

51) SHEET 8.27 – FLOOR PLAN - AREA D – PLUMBING & HEATING

a) *Tutor D128, Speech D129, Tutor D130, Test D136, Speech D137 & Test D138*: Add note regarding mechanical penetrations of a storm shelter; refer to *revised* sheet 8.24, revision dated 8-1-2024 attached to the end of Addendum #3.

52) SHEET 8.29 – ENLARGED KITCHEN FLOOR PLAN - AREA A – PLUMBING & HEATING

a) Reference *revised* sheet 8.29, *revision* dated 8-1-2024 attached to the end of Addendum #3 for the following modifications:

i) Exterior Storage A110: Add floor sink & associated piping as indicated.

ii) Boiler A124: Modify heating water & chilled water system expansion tank sizes as indicated.

53) SHEET 8.50 – SCHEDULES

a) *Pump Schedule Clarification:* Pumps P-10 thru P-16 – Substitute model NRG-36 listed originally with NRF-36.

54) SHEET G8.20 – BUS GARAGE PLANS– PLUMBING & HEATING – ADD ALT #1

a) Hall G103: Add electric water cooler EWC-1 & associated piping as indicated in the *revised* sheet G8.20, *revision* dated 8-1-2024 attached to the end of Addendum #3. Refer to *revised* Architectural Sheet G4.10 for additional information.

ELETRICAL ITEMS:

55) SHEET 9.28 – AREA D - POWER & SIGNAL

a) Reference *revised* Sheet 9.28 *revision* dated 8-1-2024, attached to the end of Addendum #3 for the high and low AV outlets added in Rooms D128, D129, D130, D136, D137, and D138.

56) SHEET 9.41 – ENLARGED PLANS - ELECTRICAL

a) Reference *revised* Sheet 9.41, *revision* dated 8-1-2024, attached to the end of Addendum #3 for the CT cabinet added on the exterior west wall of the room *A123* – as indicated.

57) SHEET 9.56 – ELECTRICAL DETAILS

a) Revise A/V details as indicated in the *revised* Sheet 9.56, *revision* dated 8-1-2024, attached to the end of Addendum #3.

58) SHEET G9.20 – BUS GARAGE FLOOR PLAN – ELECTRICAL – ADD ALTERNATE #1

a) The has been revised to read Reference *revised* Sheet G9.20, *revision* dated 8-1-2024, attached to the end of Addendum #3 for the *revised* electrical note # 8 – as indicated.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

SECTION	ITEM	MANUFACTURER
034100	Precast Structural Concrete	Coreslab Structures, Omaha Colins Concrete
096566	Resilient Athletic Flooring Tarkett Sports Omnisport Active + with Tarkolay	Tarkett
220600	In-Line Circulating Pump	Grundfos
220600	Base Mounted Circulating Pump	Grundfos
220600	Radiant Floor Heating System	Mr. Pex
220600	Automatic Flow Control Valves	Hydronic Components Inc
220600	Cabinet Unit Heaters	Vulcan
230800	Fans	Acme

230800	Louvers	Nailor
230800	Relief/Intake Hood	Acme
230800	Kitchen Hood	CaptiveAire
230800	Fabric Duct	FabricAir
264610	Dry-Type Transformers	MGM
265110/265210	Interior and Exterior Lighting	
	Type “A” Series	Elite
	Type “B” Series	Metalux, Elite
	Type “D” Series	Metalux, Williams
	Type “E”, “E1”	ABB (Emergi-lite)
	Type “E2”	ABB, Sure-Lites
	Type “E5”, “E6”	Lithonia, Sure-Lites
	Type “H” Series	Halo, Elite, Presolite
	Type “HC”	Alphabet, USAI
	Type “J#”, “J#E”, “K#”, “K#E”	Axis
	Type “L”	Portfolio
	Type “M”, “ME”	Metalux
	Type “R”	Elite, Nova Flex, Acclaim
	Type “V”, “VE”	New Star, Williams
	Type “Y”, “Y1”, “Y2”	Beacon, NLS, McGraw-Edison
	Type “Z”	Lumark
	Type “AA” Series	Lumark
	Type “BB” Series	Lumark

END OF ADDENDUM No. 3

SECTION 096723 - RESINOUS FLOORING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Resinous Flooring systems.

B. Related Sections:

1. Section 079200 "Joint Sealants" for sealants installed at joints in resinous flooring systems.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required.

B. Samples for Initial Selection: For each type of exposed finish required.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of flooring systems required for this Project.

1. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.

B. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Provide secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from source recommended by manufacturer of primary materials.

C. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Apply full-thickness mockups on 48-inch-(1200-mm-)square floor area selected by Architect.
2. Simulate finished lighting conditions for Architect's review of mockups.

3. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

1.7 PROJECT CONDITIONS

A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.

B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.

C. Close spaces to traffic during resinous flooring application and for not less than 24 hours after application unless manufacturer recommends a longer period.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Provide products by the following:
1. Coatings for Industry, Inc. (CRI)
2. Design Crete Inc.
3. Florock Polymer Flooring (Custom Color)
4. Sherwin Williams
5. Sika Corporation
6. StonHard
7. Tennant Company
8. Tnemec.

2.2 HIGH-PERFORMANCE RESINOUS FLOORING: EPOXY

A. Resinous Flooring: Abrasion-, impact- and chemical-resistant, high-performance-aggregate-filled, resin-based, monolithic floor surfacing with Decorative flakes designed to produce a seamless floor.

B. Basis of Design Products:

1. Slip Resistant Resinous Floor System (Epoxy):

a. Manufacturer: Tnemec Company.
b. System: 222 Deco Tread.
1) Primer Coat: Series 222 Deco Tread, two-component, moisture tolerant, penetrating modified polyamine cured epoxy primer. Pigment to base color.
2) Broadcast: Double broadcast colored quartz aggregate.
3) 1 Coat: Series 222 Deco Tread, two-component, polyamine cured clear epoxy coat.
4) Finish: Series 248 Everthane, three-component, moisture curing urethane clear topcoat.
c. Pre-approved equal products:

1) Manufacturer: Sika
2) System: Decodur Quartz FX.
   a) Primer Coat: Sika 219 UTE applied @ 8-10 mils.
   b) 1st Broadcast Receiver Coat – Sika 219 UTE – applied @ 12-16 mils.
   c) 2nd Broadcast Receiver Coat – Sika 217 Clear UV Resistant Epoxy – applied @ 12-16 mils.
   d) Grout Coat – Sika 217 Clear UV Resistant Epoxy – applied @ 10-12 mils.
   e) Final Coat – Sika 315N Aliphatic Polyurethane – applied @ 3-4 mils.

C. System Characteristics: Provide resinous flooring system with the following minimum physical property requirements.

1. Overall System Thickness: **1/8 inch (3.2 mm).**
2. Wearing Surface: Textured for slip resistance.

   a. Finished product shall be slip-resistant yet smooth enough to clean with a mop and not sharp to the touch.

3. Color and Pattern: [**Match Architect's sample**].

2.3 ACCESSORIES

A. Primer: Type recommended by manufacturer for substrate and body coats indicated.
   1. Formulation Description: 100 percent solids

B. Patching and Fill Material: Resinous product of or approved by resinous flooring manufacturer and recommended by manufacturer for application indicated.

C. Metal Edge/Transition Strip: Schluter Jolly or equal; stainless steel finish. Used at transition between adjacent flooring.

PART 3 - EXECUTION

3.1 PREPARATION

A. General: Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.

B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.

1. Roughen concrete substrates as follows:

   a. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispensed shot within the apparatus, and recirculates the shot by vacuum pickup. Shot-blast to International Concrete Repair Institute (ICRI) standard of Concrete Surface Profile (CSP 4).

2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
3. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.

a. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with application of resinous flooring only after substrates have maximum moisture-vapor-emission rate of **3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m)** of slab area in 24 hours.
b. Perform plastic sheet test, Concrete Impedance Meter as per ASTM Testing Method E1907. Proceed with application only after testing indicates absence of moisture in substrates.
c. Perform relative humidity test using in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum **75**percent relative humidity level measurement.

4. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.

C. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.

D. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.

E. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

3.2 APPLICATION

A. General: Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.

1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
3. At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.

B. Apply primer over prepared substrate at manufacturer's recommended spreading rate.

C. Apply self-leveling slurry body coats in thickness indicated for flooring system.

1. Broadcast aggregates at rate recommended by manufacturer and, after resin is cured, remove excess aggregates to provide surface texture indicated.

D. Apply grout coat, of type recommended by resinous flooring manufacturer, to fill voids in surface of final body coat and to produce wearing surface indicated.

E. Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer.

3.3 INSTALLATION

A. Coats: The intermediate coats shall be mechanically mixed, applied and cured in strict accordance with manufacturer’s printed instructions. Apply uniformly at a film of 14-16 mils per coat.

B. Grout Coat: The high-solids, top coat shall be mechanically mixed, applied and cured in strict accordance with manufacturer’s printed instructions and applied at a film thickness of 10 to 12 dry mils.

C. Finish Coat: The finish coat shall be mechanically mixed, applied and cured in strict accordance with manufacturer's printed instructions. Apply uniformly at a film of 2.5-3.5 mils per coat.

3.4 .FIELD QUALITY CONTROL

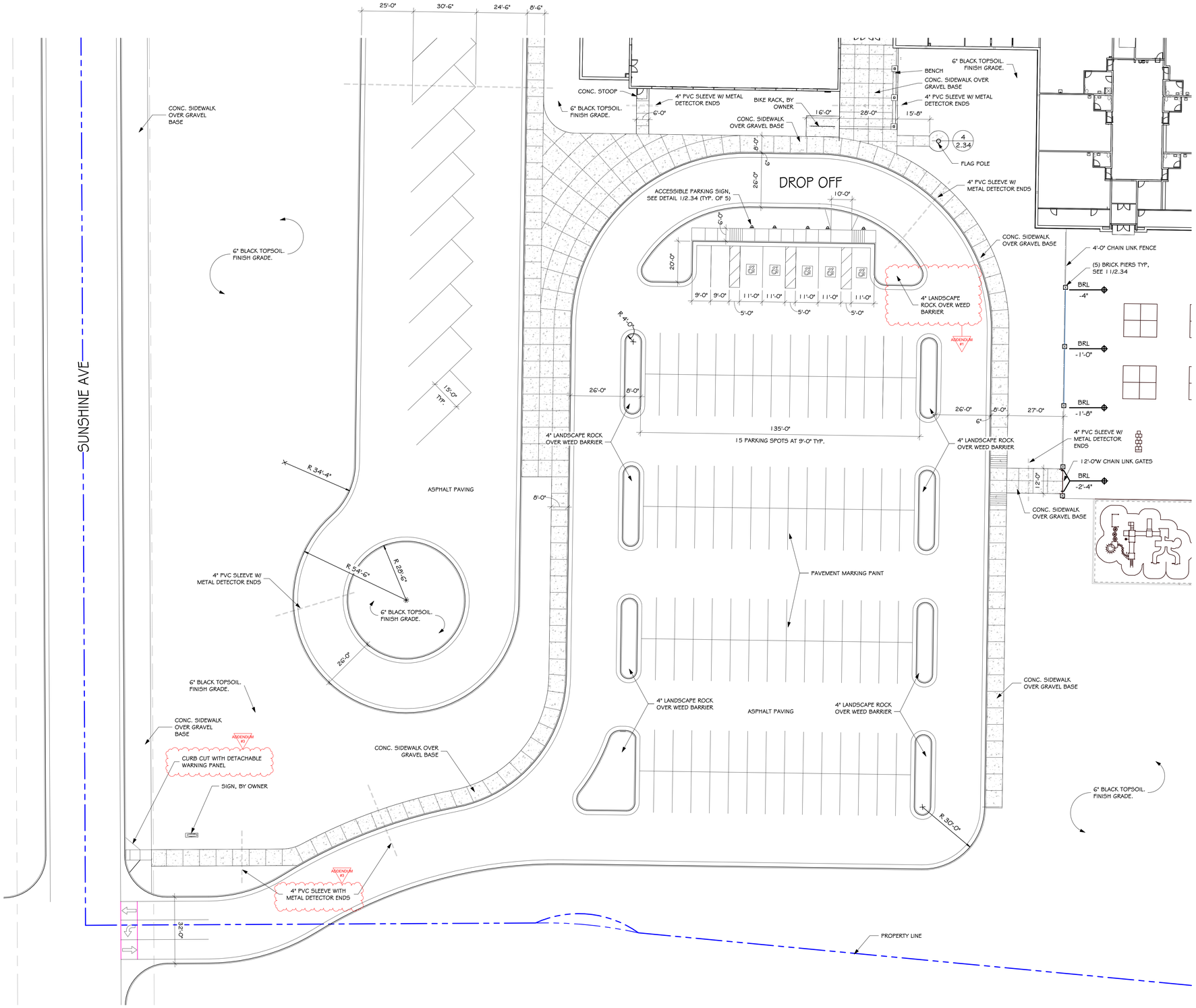
A. Material Sampling: Owner may at any time and any number of times during resinous flooring application require material samples for testing for compliance with requirements.

1. Owner will engage an independent testing agency to take samples of materials being used. Material samples will be taken, identified, sealed, and certified in presence of Contractor.
2. Testing agency will test samples for compliance with requirements, using applicable referenced testing procedures or, if not referenced, using testing procedures listed in manufacturer's product data.
3. If test results show applied materials do not comply with specified requirements, pay for testing, remove noncomplying materials, prepare surfaces coated with unacceptable materials, and reapply flooring materials to comply with requirements.

3.5 PROTECTION

A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

END OF SECTION 096723



ENLARGED SITE PLAN - SOUTH PARKING

SCALE: 1" = 20'-0"

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GENERAL NOTES - SITE PLAN

A. CONTRACTOR SHALL PROVIDE 6" TOP SOIL FINISH GRADE AT ALL DISTURBED AREAS U.N.O.
B. SEE MECHANICAL AND ELECTRICAL AND CIVIL FOR ADDITIONAL SITE ITEMS.
C. SLOPE FINISH GRADE AWAY FROM THE BUILDING.

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REG. NO. 5734
STEVEN R. JASTRAM
7-1-2024
Registered Architect

project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: ENLARGED SITE PLAN - SOUTH PARKING

number 0306.3023.23
date JULY 01, 2024
revision
drawn ZJG checked SRJ

DATE	DESCRIPTION
08-2-2024	ADDENDUM #3
07-23-24	ADDENDUM #1

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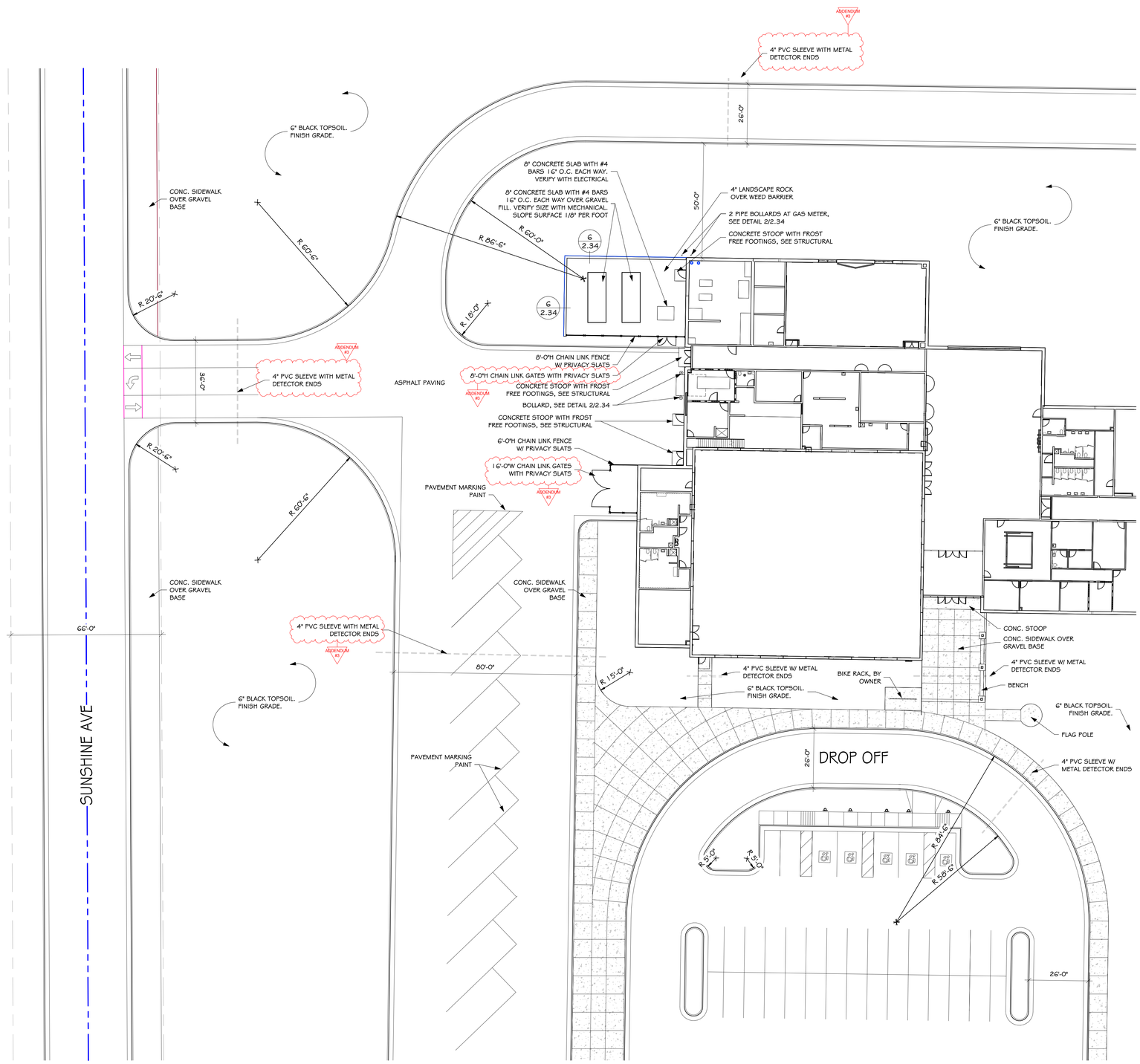
GENERAL NOTES - SITE PLAN

A. CONTRACTOR SHALL PROVIDE 6" TOP SOIL FINISH GRADE AT ALL DISTURBED AREAS U.N.O.
B. SEE MECHANICAL AND ELECTRICAL AND CIVIL FOR ADDITIONAL SITE ITEMS.
C. SLOPE FINISH GRADE AWAY FROM THE BUILDING.



ENLARGED SITE PLAN - WEST PARKING

SCALE: 1" = 20'-0"

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ENLARGED SITE PLAN - WEST PARKING

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GENERAL NOTES - SITE PLAN

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B. SEE MECHANICAL AND ELECTRICAL AND CIVIL FOR ADDITIONAL SITE ITEMS.
C. SLOPE FINISH GRADE AWAY FROM THE BUILDING.

ACCESSIBLE PARKING SIGN, 1/2.34

189'-0"
20 STALLS BASE BID

180'-0"
20 STALLS ADD ALTERNATE #1

32'-0"

BASE BID ADD ALT

4" PVC SLEEVE WITH METAL DETECTOR ENDS — ADDENDUM #3

6'-0"

CONC. SIDEWALK OVER GRAVEL BASE

CONCRETE STOOP WITH FROST FREE FOOTINGS, SEE STRUCTURAL

6'-0" WIDE CONCRETE STOOP WITH FROST FREE FOOTINGS, SEE STRUCTURAL — ADDENDUM #3

3'-0" — ADDENDUM #3

BOLLARD TYP. OF (20), SEE DETAIL 2/2.34

5'-0" WIDE CONCRETE APRON — ADDENDUM #1

BUS
(96' X 150')

ASPHALT PAVING

60'-0"

CONCRETE STOOP WITH FROST FREE FOOTINGS, SEE STRUCTURAL — ADDENDUM #1

CONCRETE STOOP WITH FROST FREE FOOTINGS, SEE STRUCTURAL

PLAYGROUND EQUIPMENT, BY OWNER — 12/2.34

8'-8" — 6" — 71'-0" — CLEAR INSIDE CURB TO CURB — ADDENDUM #3

4" DRAIN TILE

53'-4" CLEAR INSIDE CURB TO CURB — ADDENDUM #3

CONCRETE STOOP WITH FROST FREE FOOTINGS, SEE STRUCTURAL

CONC. SIDEWALK OVER GRAVEL BASE

28'-0"

28'-5 1/2" | 16'-0" | 16'-0" | 16'-0" | 16'-0" | 16'-0" | 16'-0" | 16'-0" | 33'-10"

ASPHALT PAVING

4'-0" H CHAIN LINK FENCE

BRL -4"

BRL -1'-0"

BRL -1'-8"

BRL -2'-4"

16'-0" | 14'-0" | 16'-0"

PAVEMENT MARKING PAINT

(5) BRICK PIERS TYP. SEE 1 1/2.34

12'-0" W CHAIN LINK GATES

4" PVC SLEEVE W/ METAL DETECTOR ENDS

32'-0"

PAVEMENT MARKING PAINT, HOPSCOTCH, SEE DETAIL 3/2.34

PAVEMENT MARKING PAINT

BASKETBALL BACKSTOP AND POLE (TYPICAL OF 4) — ADDENDUM #3

50'-0" | 15'-0" | 50'-0" | 24'-4"

16'-2"

4'-0" H CHAIN LINK FENCE

12'-0"

100'-0" CLEAR INSIDE CURB TO CURB — ADDENDUM #3

45'-0"

136'-0" CLEAR INSIDE CURB TO CURB

15'-6"

40'-0" CLEAR INSIDE CURB TO CURB

33'-0" CLEAR INSIDE CURB TO CURB

54'-0" CLEAR INSIDE CURB TO CURB

50'-0" CLEAR INSIDE CURB TO CURB — ADDENDUM #1

PLAYGROUND EQUIPMENT, BY OWNER

12/2.34 CONNECT DRAIN TO STORM SEWER

4" DRAIN TILE

CONCRETE CURB

SWING SET, BY OWNER

CONNECT DRAIN TO STORM SEWER

70'-0" CLEAR INSIDE CURB TO CURB — ADDENDUM #3

ENLARGED SITE PLAN - PLAYGROUND

SCALE: 1" = 20'-0"

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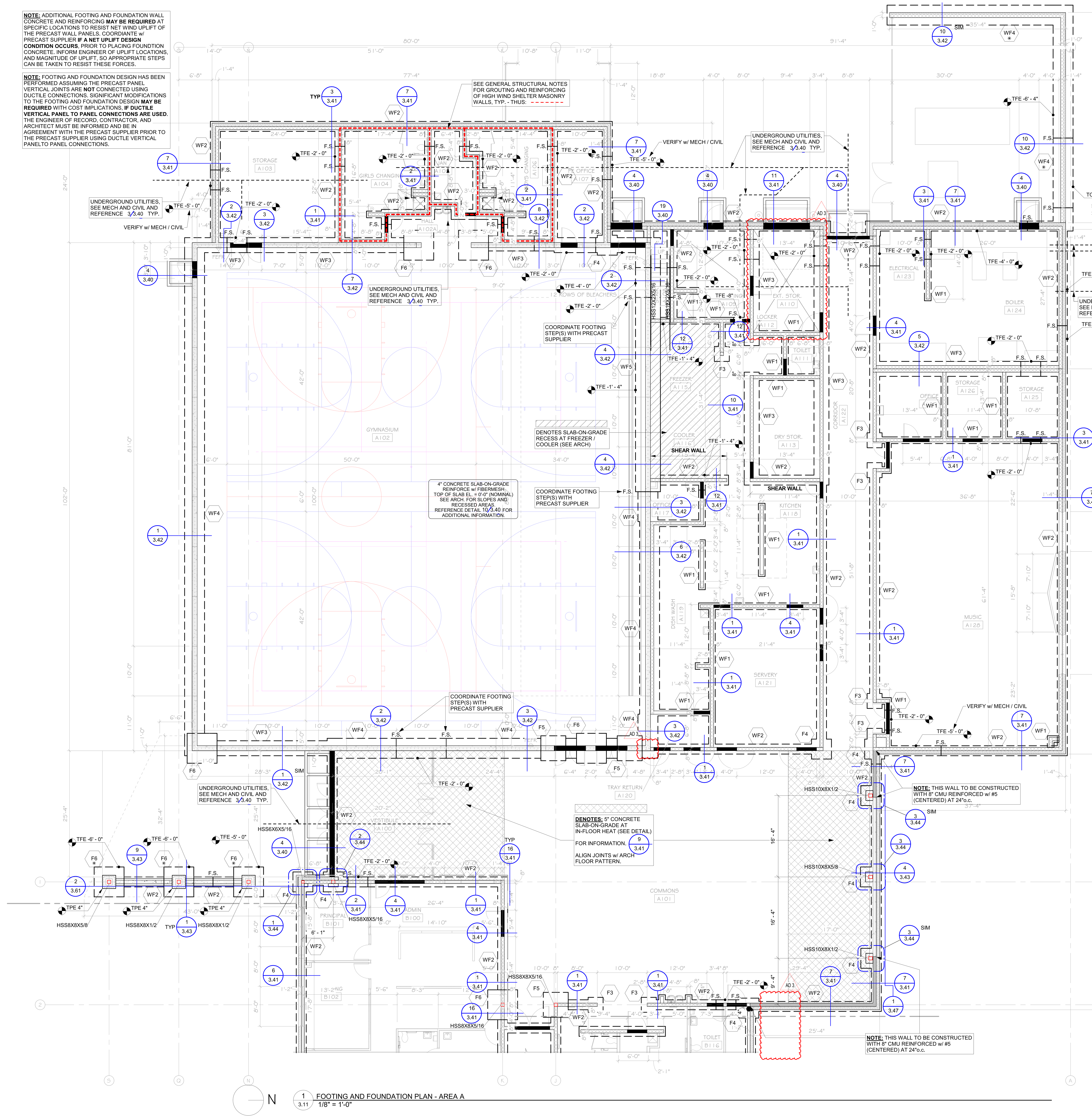
DATE	DESCRIPTION
08-2-2024	ADDENDUM #3
07-23-24	ADDENDUM #1

2.33

NOTE: ADDITIONAL FOOTING AND FOUNDATION WALL CONCRETE AND REINFORCING **MAY BE REQUIRED** AT SPECIFIC LOCATIONS TO RESIST NET WIND UPLIFT OF THE PRECAST WALL PANELS. COORDIANTE w/ PRECAST SUPPLIER **IF A NET UPLIFT DESIGN CONDITION OCCURS**, PRIOR TO PLACING FOUNDTION CONCRETE. INFORM ENGINEER OF UPLIFT LOCATIONS, AND MAGNITUDE OF UPLIFT, SO APPROPRIATE STEPS CAN BE TAKEN TO RESIST THESE FORCES.

NOTE: FOOTING AND FOUNDATION DESIGN HAS BEEN PERFORMED ASSUMING THE PRECAST PANEL VERTICAL JOINTS ARE **NOT** CONNECTED USING DUCTILE CONNECTIONS. SIGNIFICANT MODIFICATIONS TO THE FOOTING AND FOUNDATION DESIGN **MAY BE REQUIRED** WITH COST IMPLICATIONS, **IF DUCTILE VERTICAL PANEL TO PANEL CONNECTIONS ARE USED**. THE ENGINEER OF RECORD, CONTRACTOR, AND ARCHITECT MUST BE INFORMED AND BE IN AGREEMENT WITH THE PRECAST SUPPLIER PRIOR TO THE PRECAST SUPPLIER USING DUCTLE VERTICAL PANELTO PANEL CONNECTIONS.



1 FOOTING AND FOUNDATION PLAN - AREA A
3.11 1/8" = 1'-0"

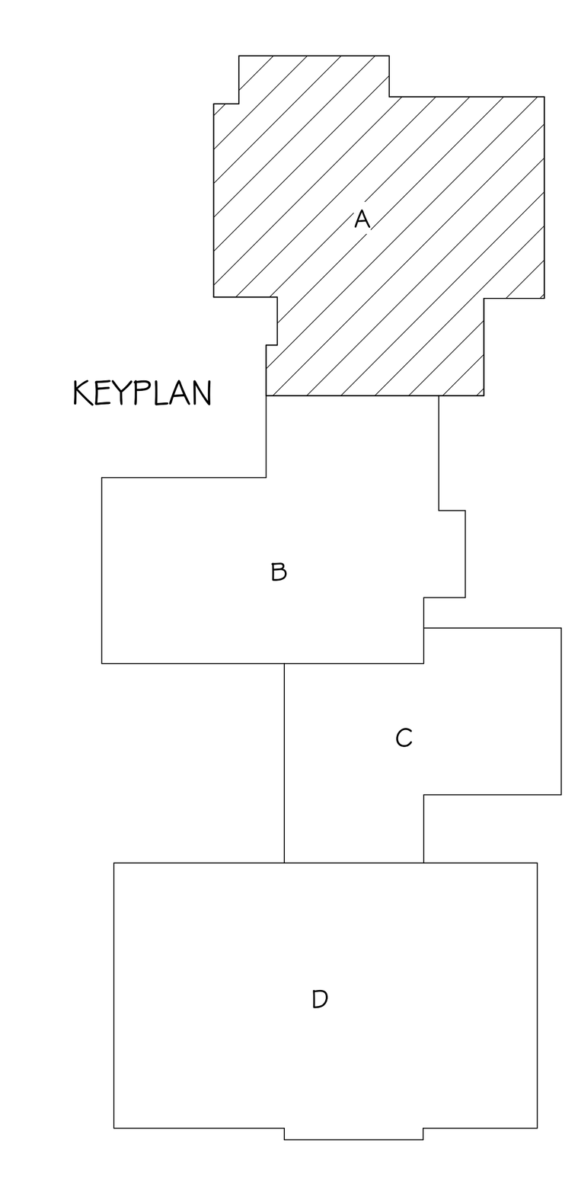
FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	COMMENTS
F3	3'-0"x3'-0"x1'-0"	(5) #4 EW BOTTOM	
F4	4'-0"x4'-0"x1'-0"	(7) #4 EW BOTTOM	
F4x6.5	4'-0"x6'-6"x1'-0"	(6) #5 EW TOP AND BOTTOM	
F5	5'-0"x5'-0"x1'-4"	(8) #5 EW BOTTOM	
F6	6'-0"x6'-0"x1'-6"	(7) #6 EW BOTTOM	
F7	7'-0"x7'-0"x1'-6"	(8) #6 EW BOTTOM	
WF1	1'-4"x1'-0" CON'T.	(2) #5 x CON'T.	
WF2	2'-0"x1'-0" CON'T.	(3) #5 x CON'T.	
WF3	3'-0"x1'-0" CON'T.	(4) #5 x CON'T. #4 @ 9" oc TRANSVERSE	
WF4	4'-0"x1'-0" CON'T.	(5) #5 x CON'T. #5 @ 12" oc TRANSVERSE	
WF5	5'-0"x1'-4" CON'T.	(6) #5 x CON'T. #6 @ 12" oc TRANSVERSE	

TFE ON PLAN DENOTES TOP OF FOOTING ELEVATIONS.
ALL EXTERIOR FOOTINGS SHALL BE AT TFE -4'-0" U.N.O.
ALL INTERIOR FOOTINGS SHALL BE AT TFE -0'-8" U.N.O.
NOTE: FOOTINGS NEED TO BE STEPPED DOWN AT LOCATIONS OF UNDER GROUND MECHANICAL PIPING RUNS. SEE PLAN AND COORDINATE WITH MECHANICAL CONTRACTOR. REFERENCE DETAILS 2 AND 3 ON 3.40.

WHERE PAD FOOTINGS ARE INTEGRAL WITH CONTINUOUS FOOTINGS PROVIDE REINFORCING FOR PAD FOOTING. PROVIDE THICKNESS FOR PAD FOOTING IN AREA DESIGNATED UNLESS CONT FOOTING THICKNESS IS GREATER. CONTINUE REINFORCING FOR CONTINUOUS FOOTINGS THRU PAD FOOTINGS.

ALL FOOTINGS NOTED WITH AN * SHALL HAVE REINFORCING MATS TOP AND BOTTOM.

KEYPLAN



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STRUCTURAL ENGINEERING ASSOCIATES

project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
FOOTING AND FOUNDATION PLAN - AREA A

number SEA Job. No. AI 230600
date 07/01/2024
revision
drawn RDM checked MAS

MARK	DATE	DESCRIPTION
AD 2	7/26/2024	ADDENDA 2
AD 3	8/01/2024	ADDENDA 3

3.11

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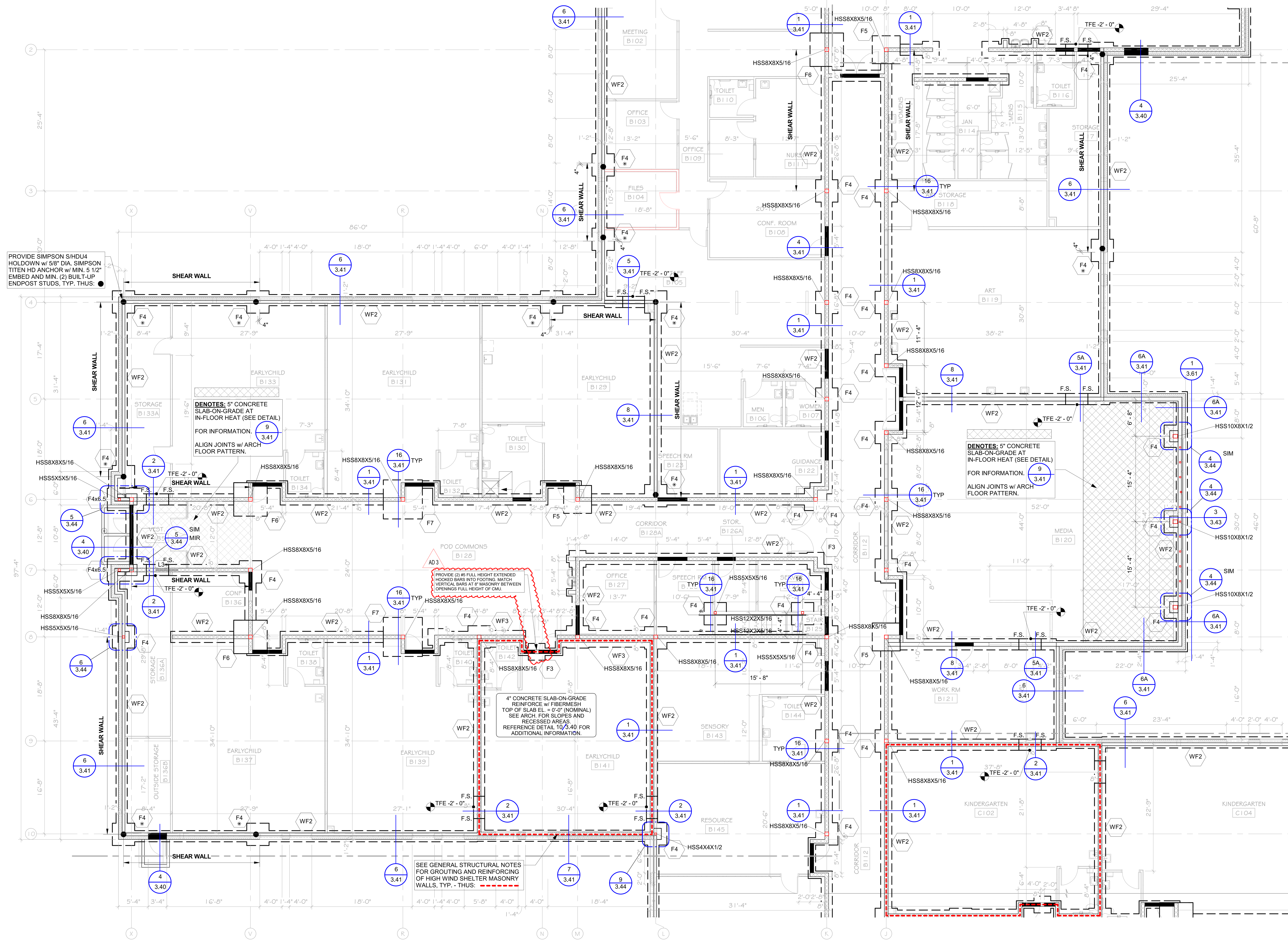


1/3.12 FOOTING AND FOUNDATION PLAN - AREA B
1/8" = 1'-0"

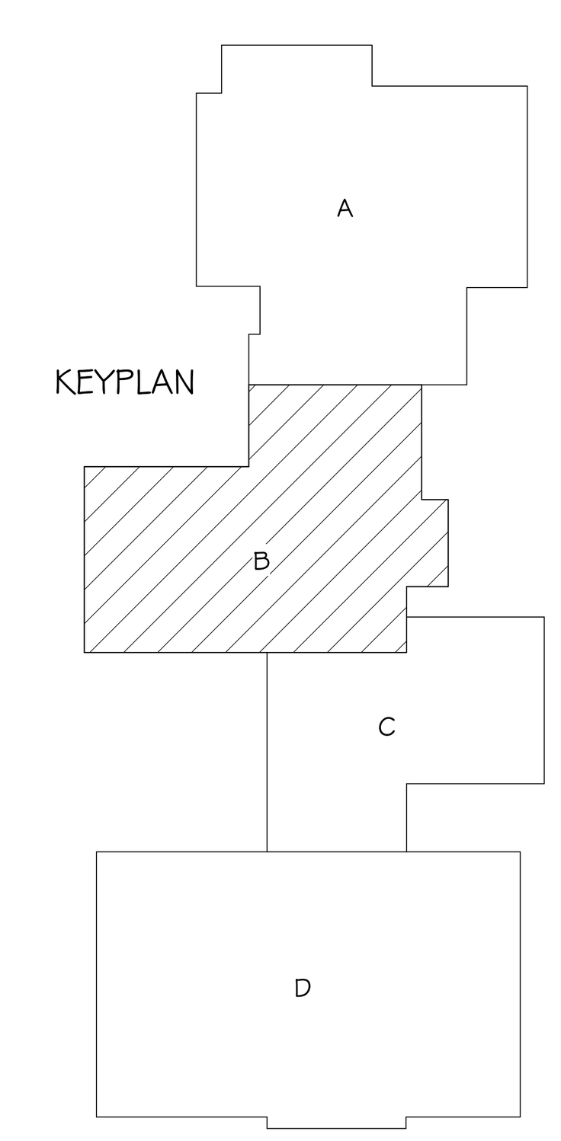
FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	COMMENTS
F3	3'-0"x3'-0"x1'-0"	(5) #4 EW BOTTOM	
F4	4'-0"x4'-0"x1'-0"	(7) #4 EW BOTTOM	
F4x6.5	4'-0"x6'-6"x1'-0"	(6) #5 EW TOP AND BOTTOM	
F5	5'-0"x5'-0"x1'-4"	(8) #5 EW BOTTOM	
F6	6'-0"x6'-0"x1'-6"	(7) #6 EW BOTTOM	
F7	7'-0"x7'-0"x1'-6"	(8) #6 EW BOTTOM	
WF1	1'-4"x1'-0" CON'T.	(2) #5 x CON'T.	
WF2	2'-0"x1'-0" CON'T.	(3) #5 x CON'T.	
WF3	3'-0"x1'-0" CON'T.	(4) #5 x CON'T. #4 @ 9" oc TRANSVERSE	
WF4	4'-0"x1'-0" CON'T.	(5) #5 x CON'T. #5 @ 12" oc TRANSVERSE	
WF5	5'-0"x1'-4" CON'T.	(6) #5 x CON'T. #6 @ 12" oc TRANSVERSE	

TFE ON PLAN DENOTES TOP OF FOOTING ELEVATIONS.
ALL EXTERIOR FOOTINGS SHALL BE AT TFE -4'-0" U.N.O.
ALL INTERIOR FOOTINGS SHALL BE AT TFE -0'-8" U.N.O.
NOTE: FOOTINGS NEED TO BE STEPPED DOWN AT LOCATIONS OF UNDER GROUND MECHANICAL PIPING RUNS. SEE PLAN AND COORDINATE WITH MECHANICAL CONTRACTOR. REFERENCE DETAILS 2 AND 3 ON 3.40.

WHERE PAD FOOTINGS ARE INTEGRAL WITH CONTINUOUS FOOTINGS PROVIDE REINFORCING FOR PAD FOOTING. PROVIDE THICKNESS FOR PAD FOOTING IN AREA DESIGNATED UNLESS CONT FOOTING THICKNESS IS GREATER. CONTINUE REINFORCING FOR CONTINUOUS FOOTINGS THRU PAD FOOTINGS.

ALL FOOTINGS NOTED WITH AN * SHALL HAVE REINFORCING MATS TOP AND BOTTOM.

KEYPLAN



project: **BRANDON VALLEY ELEMENTARY SCHOOL**

sheet contents: **FOOTING AND FOUNATION PLAN - AREA B**

number: SEA Job. No. AI 230600
date: 07/01/2024
revision:
drawn: RDM checked: Checker

MARK	DATE	DESCRIPTION
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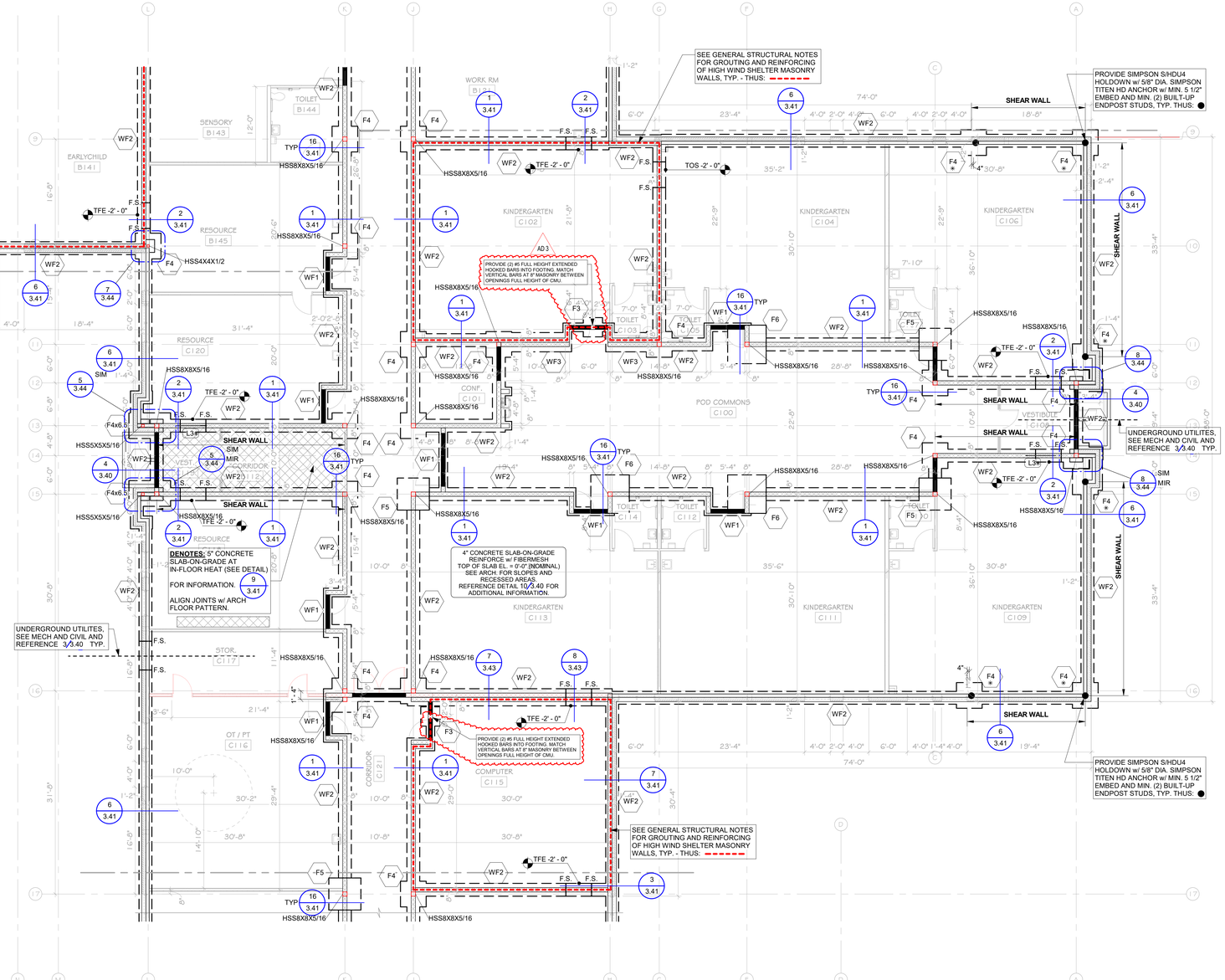
AD 3	8/01/2024	ADDENDA 3

8/1/2024 11:03:19 AM



N

1 / 3.13 FOOTING AND FOUNDATION PLAN - AREA C
1/8" = 1'-0"

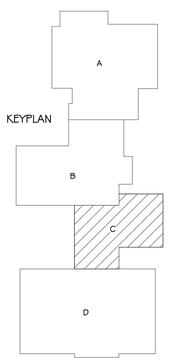
FOOTING SCHEDULE

MARK	SIZE	REINFORCING	COMMENTS
F3	3'-0"x3'-0"x1'-0"	(5) #4 EW BOTTOM	
F4	4'-0"x4'-0"x1'-0"	(7) #4 EW BOTTOM	
F4x6.5	4'-0"x6'-6"x1'-0"	(6) #5 EW TOP AND BOTTOM	
F5	5'-0"x5'-0"x1'-4"	(8) #5 EW BOTTOM	
F6	6'-0"x6'-0"x1'-6"	(7) #6 EW BOTTOM	
F7	7'-0"x7'-0"x1'-6"	(8) #6 EW BOTTOM	
WF1	1'-4"x1'-0" CON'T.	(2) #5 x CON'T.	
WF2	2'-0"x1'-0" CON'T.	(3) #5 x CON'T.	
WF3	3'-0"x1'-0" CON'T.	(4) #5 x CON'T. #4 @ 9" oc TRANSVERSE	
WF4	4'-0"x1'-0" CON'T.	(5) #5 x CON'T. #5 @ 12" oc TRANSVERSE	
WF5	5'-0"x1'-4" CON'T.	(6) #5 x CON'T. #6 @ 12" oc TRANSVERSE	

TFE ON PLAN DENOTES TOP OF FOOTING ELEVATIONS.
ALL EXTERIOR FOOTINGS SHALL BE AT TFE -4'-0" U.N.O.
ALL INTERIOR FOOTINGS SHALL BE AT TFE -0'-8" U.N.O.
NOTE: FOOTINGS NEED TO BE STEPPED DOWN AT LOCATIONS OF UNDER GROUND MECHANICAL PIPING RUNS. SEE PLAN AND COORDINATE WITH MECHANICAL CONTRACTOR. REFERENCE DETAILS 2 AND 3 ON 3.40.

WHERE PAD FOOTINGS ARE INTEGRAL WITH CONTINUOUS FOOTINGS PROVIDE REINFORCING FOR PAD FOOTING. PROVIDE THICKNESS FOR PAD FOOTING IN AREA DESIGNATED UNLESS CONT FOOTING THICKNESS IS GREATER. CONTINUE REINFORCING FOR CONTINUOUS FOOTINGS THRU PAD FOOTINGS.

ALL FOOTINGS NOTED WITH AN * SHALL HAVE REINFORCING MATS TOP AND BOTTOM.



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REGISTERED PROFESSIONAL ENGINEER
MARK A. MAAS
SOUTH DAKOTA
7-01-2024

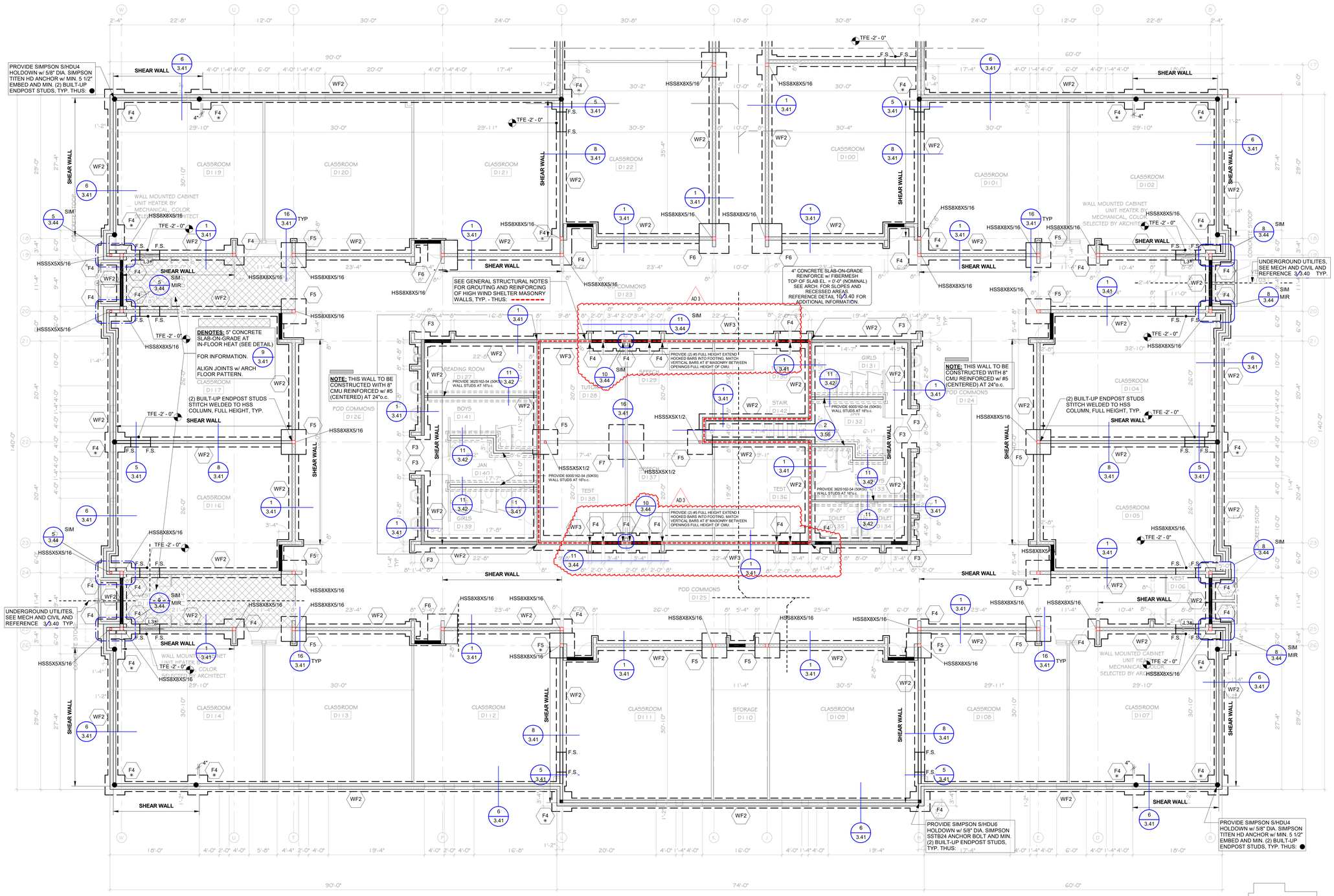
project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: FOOTING AND FOUNDATION PLAN - AREA C

number: SEA Job. No. AI 230600
date: 07/01/2024
revision:
drawn: RDM checked: MAS

MARK	DATE	DESCRIPTION
AD 2	7/26/2024	ADDENDA 2
AD 3	8/01/2024	ADDENDA 3

3.13

8/1/2024 11:03:22 AM



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1 / 3.14 FOOTING AND FOUNDATION PLAN - AREA D
1/8" = 1'-0"

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	COMMENTS
F3	3'-0"x3'-0"x1'-0"	(5) #4 EW BOTTOM	
F4	4'-0"x4'-0"x1'-0"	(7) #4 EW BOTTOM	
F4x6.5	4'-0"x6'-6"x1'-0"	(6) #5 EW TOP AND BOTTOM	
F5	5'-0"x5'-0"x1'-4"	(8) #5 EW BOTTOM	
F6	6'-0"x6'-0"x1'-6"	(7) #6 EW BOTTOM	
F7	7'-0"x7'-0"x1'-6"	(8) #6 EW BOTTOM	
WF1	1'-4"x1'-0" CONT.	(2) #5 x CONT.	
WF2	2'-0"x1'-0" CONT.	(3) #5 x CONT.	
WF3	3'-0"x1'-0" CONT.	(4) #5 x CONT. #4 @ 9" oc TRANSVERSE	
WF4	4'-0"x1'-0" CONT.	(5) #5 x CONT. #5 @ 12" oc TRANSVERSE	
WF5	5'-0"x1'-4" CONT.	(6) #5 x CONT. #6 @ 12" oc TRANSVERSE	

TFE ON PLAN DENOTES TOP OF FOOTING ELEVATIONS.
ALL EXTERIOR FOOTINGS SHALL BE AT TFE -4'-0" U.N.O.
ALL INTERIOR FOOTINGS SHALL BE AT TFE -0'-8" U.N.O.
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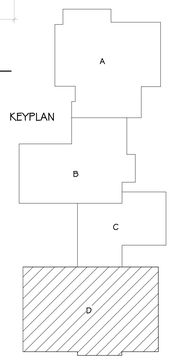
ALL FOOTINGS NOTED WITH AN * SHALL HAVE REINFORCING MATS TOP AND BOTTOM.

KEYPLAN



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MARK A. ANDERSON
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REGISTERED
SOUTH DAKOTA
07, 01, 2024

project
BRANDON VALLEY ELEMENTARY SCHOOL

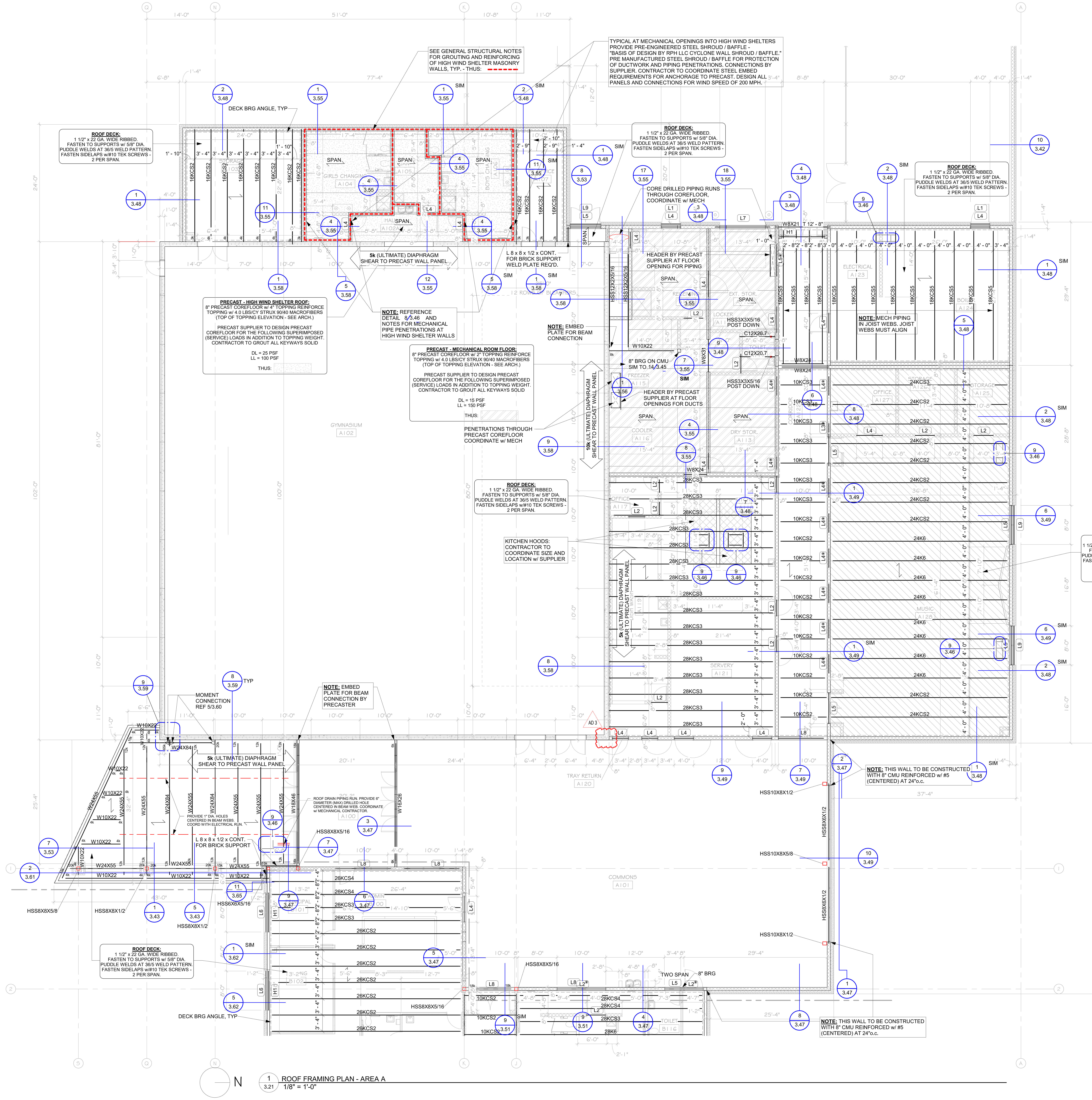
sheet contents
FOOTING AND FOUNDATION PLAN - AREA D

number SEA Job. No. AI 230600
date 07/01/2024
revision
drawn RDM checked MA5

MARK	DATE	DESCRIPTION
AD 2	7/26/2024	ADDENDA 2
AD 3	8/01/2024	ADDENDA 3

3.14

07/01/2024 11:03:25 AM



1 ROOF FRAMING PLAN - AREA A
3.21 1/8" = 1'-0"

HEADER AND LINTEL SCHEDULE			
MARK	SIZE	BEARING EACH END (UNO)	NOTES
	W8X18	8" BRG.	
H1	(2)800S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (3) BYPASS STUDS	
H2	(2)1000S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (1) BYPASS STUD	
H3	(2)800S162-68 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
H4	(2)600S162-54 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
L1	L6X4X5/16 (LLH)	6" MIN BRG.	
L2	2L3-1/2X3-1/2X1/4	6" MIN BRG.	
L3	2L5X3 1/2X1/4 (LLBB)	6" MIN BRG.	
L4	W8X15	8" BRG.	
L5	W8X21	8" BRG.	
L6	L5X5X5/16	6" MIN BRG.	
L7	HSS8X8X3/8 w/ L8x8x1/2	SEE PLAN	
L8	W16X26	8" BRG.	
L9	L7X7X5/16 BENT PLATE	6" MIN BRG.	
L10	2L8X4X5/8LLBB	8" BRG.	

LINTEL AND BEAM NOTES:

1. LINTELS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. ALL LOCATIONS MAY NOT BE NOTED ON STRUCTURAL PLANS. COORDINATE WITH MECHANICAL.
2. SEE DETAILS 14, 15 AND 16 ON 3.45 AND 1/3.46 FOR LINTEL AND BEAM BEARINGS.
3. ALL BEAMS USED AS LINTELS IN MASONRY WALLS SHALL HAVE A 5/16" LINTEL PLATE. SEE DETAIL 13/3.45 FOR LINTEL PLATE CONFIGURATIONS.
4. LOOSE EXTERIOR BRICK ANGLES ARE TO BEAR 6" MIN. UNO.

LIGHT GAUGE STEEL HEADER NOTES:

1. ALL HEADERS TO BE UNPUNCHED MATERIAL.
2. WEB STIFFENERS REQUIRED IN ALL HEADER PIECES AT BEARING OF ALL STEEL STUD HEADERS. PROVIDE EACH END OF HEADER.
3. ALL INTERIOR LOAD BEARING STEEL STUDS SHALL BE 50 KSI 6"x16 GA CSJ AT 16" oc BY CLARKDIETRICH OR APPROVED EQUAL. PROVIDE (2) BEARING STUDS DIRECTLY BELOW EACH JOIST/BEAM BEARING. UNO
4. HEADERS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. COORDINATE WITH MECHANICAL.
5. SEE DETAILS 6 AND 10 ON 3.65 FOR TYPICAL HEADER CONSTRUCTION.
6. PROVIDE BEARING CONDITION LISTED IN SCHEDULE UNLESS NOTED OTHERWISE ON PLAN.

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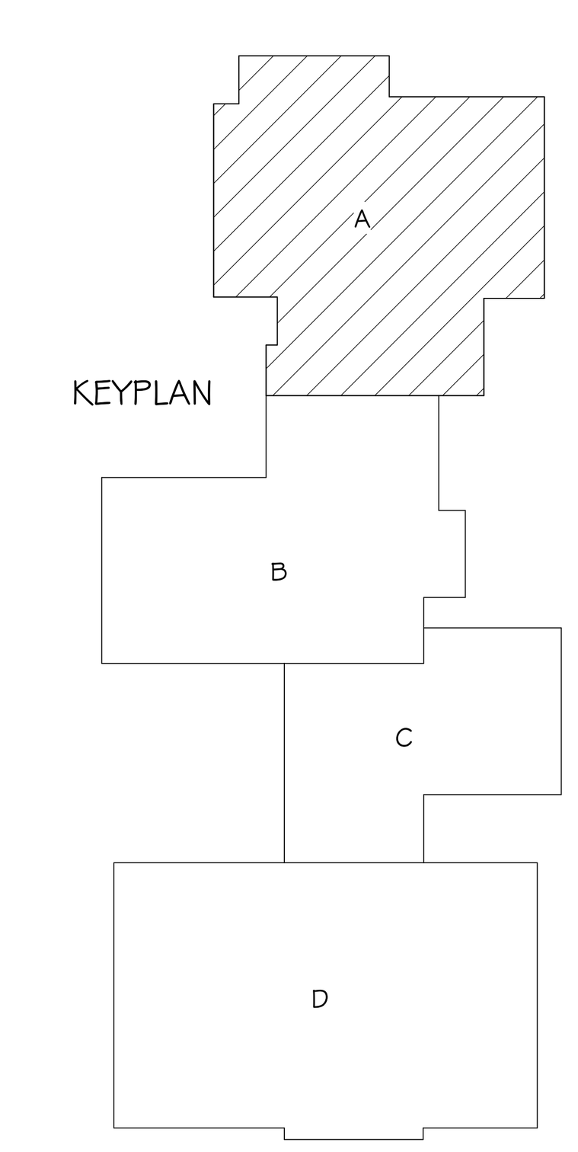
STRUCTURAL ENGINEERING ASSOCIATES

KEYPLAN



project **BRANDON VALLEY ELEMENTARY SCHOOL**

sheet contents **ROOF FRAMING PLAN - AREA A**

number SEA Job. No. AI 230600
date 07/01/2024
revision
drawn RDM checked MAS

MARK	DATE	DESCRIPTION
AD 1	7/23/2024	ADDENDA 1
AD 3	8/01/2024	ADDENDA 3

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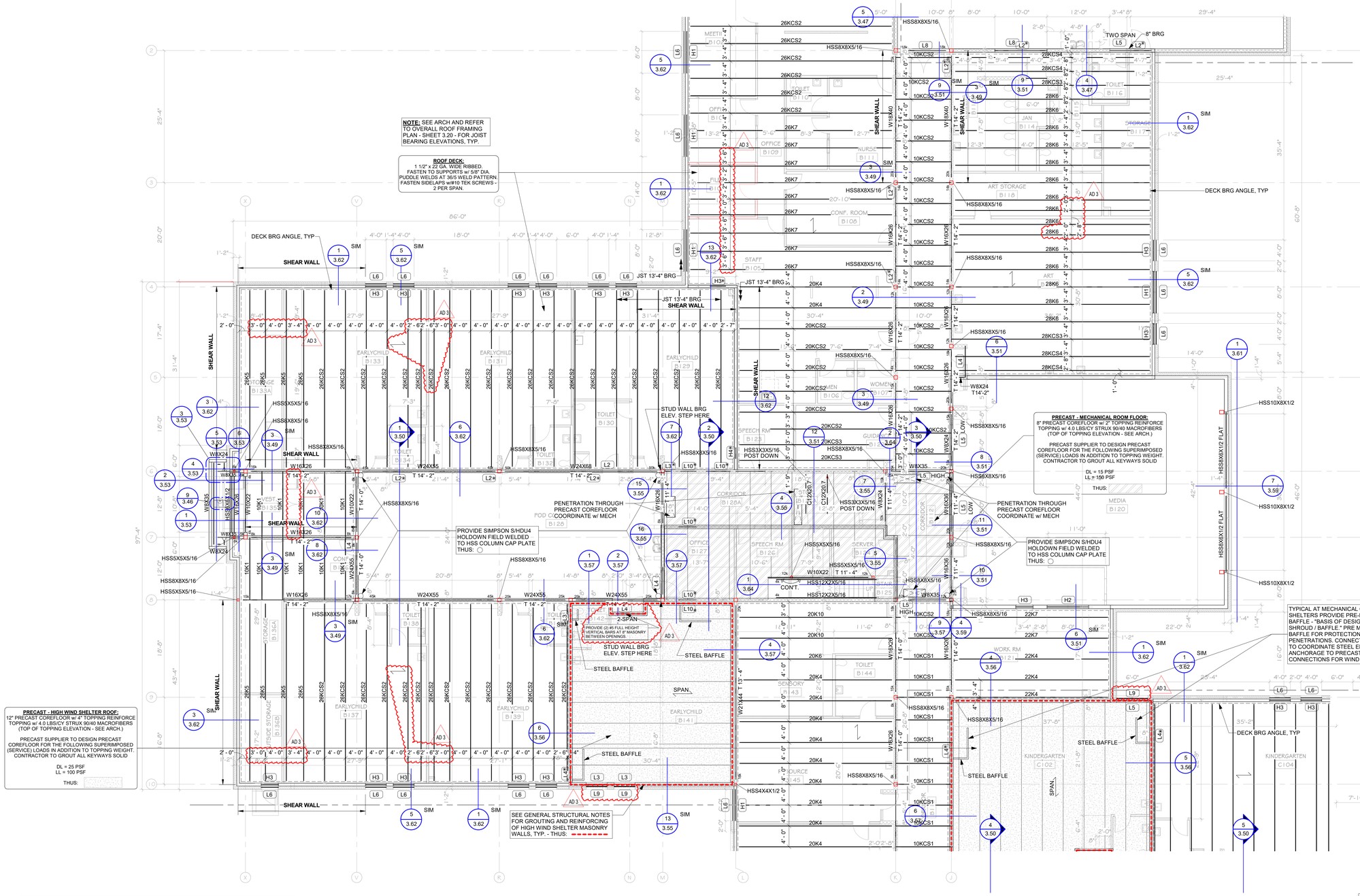

HEADER AND LINTEL SCHEDULE			
MARK	SIZE	BEARING EACH END (UNO)	NOTES
	W8X18	8" BRG.	
H1	(2)800S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (3) BYPASS STUDS	
H2	(2)1000S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (1) BYPASS STUD	
H3	(2)800S162-68 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
H4	(2)600S162-54 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
L1	L6X4X5/16 (LLH)	6" MIN BRG.	
L2	2L3-1/2X3-1/2X1/4	6" MIN BRG.	
L3	2L5X3 1/2X1/4 (LLBB)	6" MIN BRG.	
L4	W8X15	8" BRG.	
L5	W8X21	8" BRG.	
L6	L5X5X5/16	6" MIN BRG.	
L7	HSS8X8X3/8 w/ L8x8x1/2	SEE PLAN	
L8	W16X26	8" BRG.	
L9	L7X7X5/16 BENT PLATE	6" MIN BRG.	
L10	2L8X4X5/8LLBB	8" BRG.	

AD 3

LINTEL AND BEAM NOTES:

1. LINTELS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. ALL LOCATIONS MAY NOT BE NOTED ON STRUCTURAL PLANS. COORDINATE WITH MECHANICAL.
2. SEE DETAILS 14, 15 AND 16 ON 3.45 AND 1/3.46 FOR LINTEL AND BEAM BEARINGS.
3. ALL BEAMS USED AS LINTELS IN MASONRY WALLS SHALL HAVE A 5/16" LINTEL PLATE. SEE DETAIL 13/3.45 FOR LINTEL PLATE CONFIGURATIONS.
4. LOOSE EXTERIOR BRICK ANGLES ARE TO BEAR 6" MIN. UNO.

LIGHT GAUGE STEEL HEADER NOTES:

1. ALL HEADERS TO BE UNPUNCHED MATERIAL.
2. WEB STIFFENERS REQUIRED IN ALL HEADER PIECES AT BEARING OF ALL STEEL STUD HEADERS. PROVIDE EACH END OF HEADER.
3. ALL INTERIOR LOAD BEARING STEEL STUDS SHALL BE 50 KSI 6"x16 GA CSJ AT 16" oc BY CLARKDIETRICH OR APPROVED EQUAL. PROVIDE (2) BEARING STUDS DIRECTLY BELOW EACH JOIST/BEAM BEARING. UNO
4. HEADERS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. COORDINATE WITH MECHANICAL.
5. SEE DETAILS 6 AND 10 ON 3.65 FOR TYPICAL HEADER CONSTRUCTION.
6. PROVIDE BEARING CONDITION LISTED IN SCHEDULE UNLESS NOTED OTHERWISE ON PLAN.

N

1 / 3.22 ROOF FRAMING PLAN - AREA B
1/8" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER — ROBB MAHER — SOUTH DAKOTA — 7.01.2024

project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: ROOF FRAMING PLAN - AREA B

number: SEA Job. No. AI 230600
date: 07/01/2024
revision:
drawn: RDM checked: Checker

MARK	DATE	DESCRIPTION
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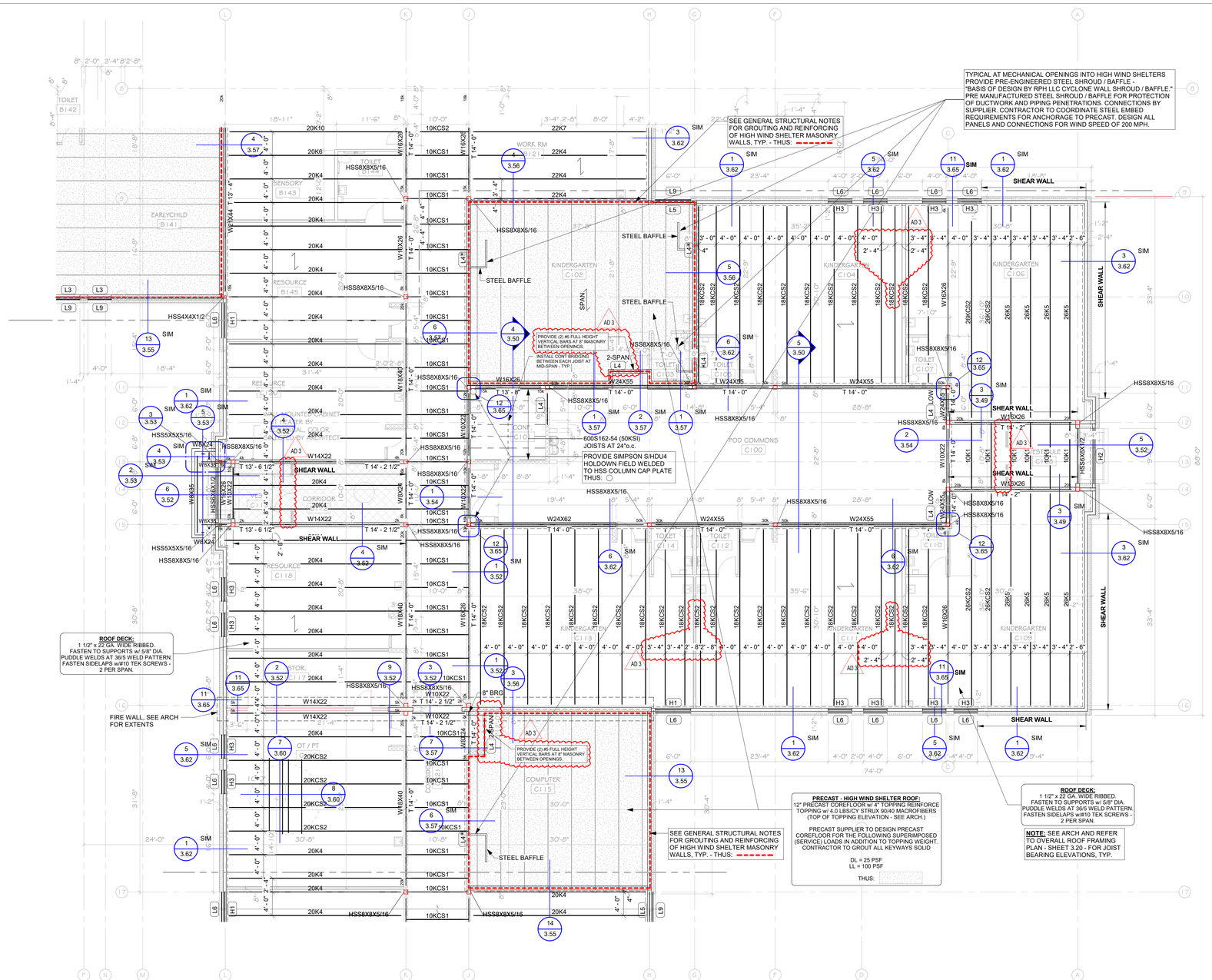
AD 3	8/01/2024	ADDENDA 3

3.22

8/1/2024 11:03:30 AM



N

1 / 3.23 ROOF FRAMING PLAN - AREA C
1/8" = 1'-0"

HEADER AND LINTEL SCHEDULE			
MARK	SIZE	BEARING EACH END (UNO)	NOTES
	W8X18	8" BRG.	
H1	(2)800S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (3) BYPASS STUDS	
H2	(2)1000S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (1) BYPASS STUD	
H3	(2)800S162-68 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
H4	(2)600S162-54 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
L1	L6X4X5/16 (LLH)	6" MIN BRG.	
L2	2L3-1/2X3-1/2X1/4	6" MIN BRG.	
L3	2L5X3 1/2X1/4 (LLBB)	6" MIN BRG.	
L4	W8X15	8" BRG.	
L5	W8X21	8" BRG.	
L6	L5X5X5/16	6" MIN BRG.	
L7	HSS8X8X3/8 w/ L8x8x1/2	SEE PLAN	
L8	W16X26	8" BRG.	
L9	L7X7X5/16 BENT PLATE	6" MIN BRG.	
L10	2L8X4X5/8LLBB	8" BRG.	

LINTEL AND BEAM NOTES:

1. LINTELS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. ALL LOCATIONS MAY NOT BE NOTED ON STRUCTURAL PLANS. COORDINATE WITH MECHANICAL.

2. SEE DETAILS 14, 15 AND 16 ON 3.45 AND 1/3.46 FOR LINTEL AND BEAM BEARINGS.

3. ALL BEAMS USED AS LINTELS IN MASONRY WALLS SHALL HAVE A 5/16" LINTEL PLATE. SEE DETAIL 13/3.45 FOR LINTEL PLATE CONFIGURATIONS.

4. LOOSE EXTERIOR BRICK ANGLES ARE TO BEAR 6" MIN. UNO.

LIGHT GAUGE STEEL HEADER NOTES:

1. ALL HEADERS TO BE UNPUNCHED MATERIAL.

2. WEB STIFFENERS REQUIRED IN ALL HEADER PIECES AT BEARING OF ALL STEEL STUD HEADERS. PROVIDE EACH END OF HEADER.

3. ALL INTERIOR LOAD BEARING STEEL STUDS SHALL BE 50 KSI 6"x16 GA CSJ AT 16" oc BY CLARKDIETRICH OR APPROVED EQUAL. PROVIDE (2) BEARING STUDS DIRECTLY BELOW EACH JOIST/BEAM BEARING. UNO

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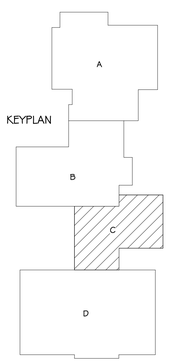
6. PROVIDE BEARING CONDITION LISTED IN SCHEDULE UNLESS NOTED OTHERWISE ON PLAN.



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REGISTERED PROFESSIONAL ENGINEER — ROBB MAHER — SOUTH DAKOTA — 7/01/2024

project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: ROOF FRAMING PLAN - AREA C

number: SEA Job. No. AI 230600
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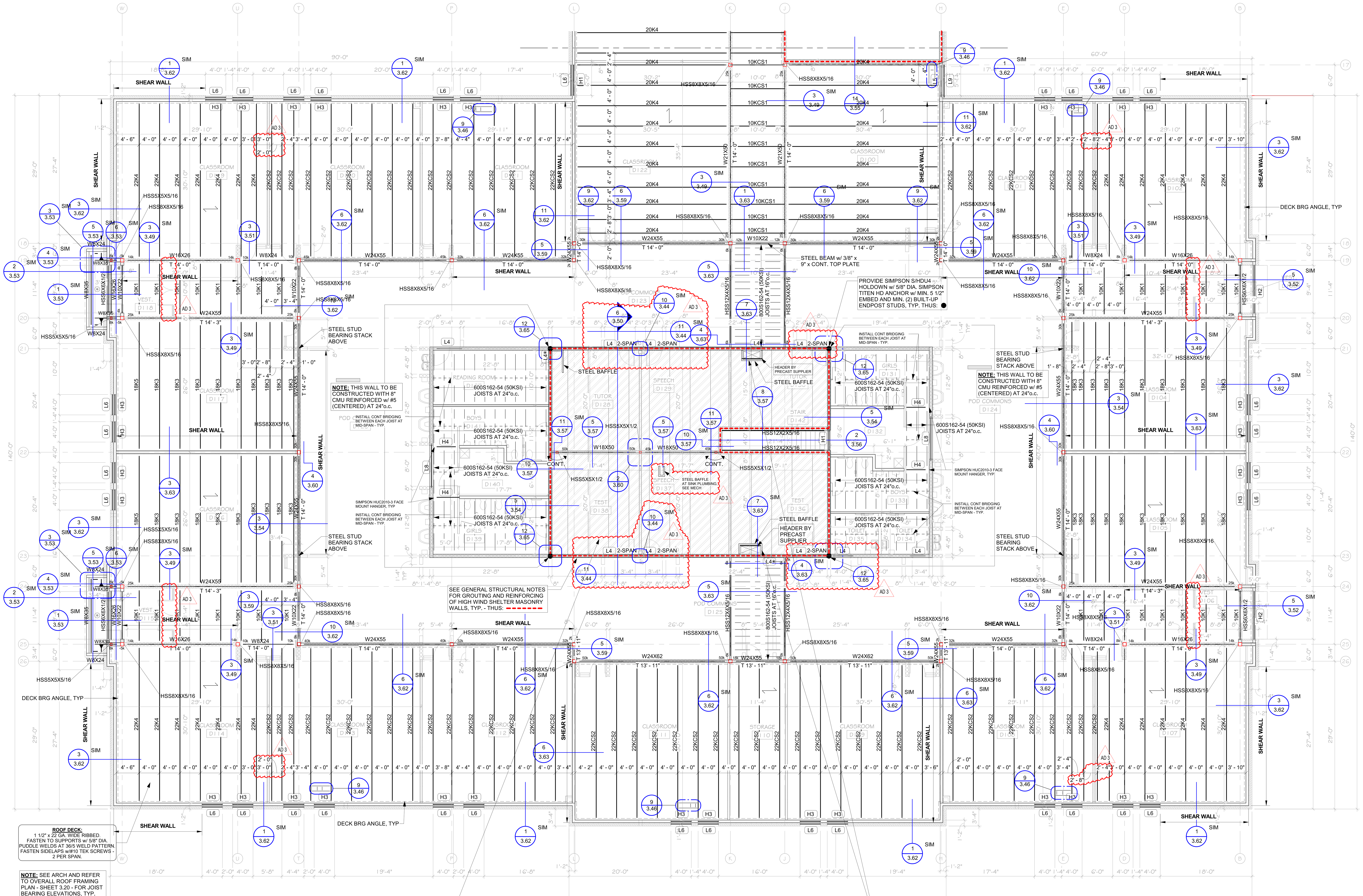
drawn: RDM checked: Checker

MARK	DATE	DESCRIPTION
AD 2	7/26/2024	ADDENDA 2
AD 3	8/01/2024	ADDENDA 3

3.23

8/1/2024 11:03:34 AM



ROOF DECK: 1 1/2" x 22 GA. WIDE RIBBED. FASTEN TO SUPPORTS w/ 5/8" DIA. PUDDLE WELDS AT 36/5 WELD PATTERN. FASTEN SIDELAPS w/#10 TEK SCREWS - 2 PER SPAN.

NOTE: SEE ARCH AND REFER TO OVERALL ROOF FRAMING PLAN - SHEET 3.20 - FOR JOIST BEARING ELEVATIONS, TYP.

PRECAST HIGH WIND SHELTER ROOF & MECHANICAL ROOM FLOOR:
8" PRECAST COREFLOOR w/ 4" TOPPING REINFORCE TOPPING w/ 4.0 LBS/CY STRUX 90/40 MACROFIBERS (TOP OF TOPPING ELEVATION - SEE ARCH.) PRECAST SUPPLIER TO DESIGN PRECAST COREFLOOR FOR THE FOLLOWING SUPERIMPOSED (SERVICE) LOADS IN ADDITION TO TOPPING WEIGHT. CONTRACTOR TO GROUT ALL KEYWAYS SOLID

DL = 15 PSF
LL = 150 PSF

THUS:

TYPICAL AT MECHANICAL OPENINGS INTO HIGH WIND SHELTERS PROVIDE PRE-ENGINEERED STEEL SHROUD / BAFFLE - "BASIS OF DESIGN BY RPH LLC CYCLONE WALL SHROUD / BAFFLE." PRE MANUFACTURED STEEL SHROUD / BAFFLE FOR PROTECTION OF DUCTWORK AND PIPING PENETRATIONS. CONNECTIONS BY SUPPLIER. CONTRACTOR TO COORDINATE STEEL EMBED REQUIREMENTS FOR ANCHORAGE TO PRECAST. DESIGN ALL PANELS AND CONNECTIONS FOR WIND SPEED OF 200 MPH.

N

1 / 3.24 ROOF FRAMING PLAN - AREA D
1/8" = 1'-0"

HEADER AND LINTEL SCHEDULE

MARK	SIZE	BEARING EACH END (UNO)	NOTES
	W8X18	8" BRG.	
H1	(2)800S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (3) BYPASS STUDS	
H2	(2)1000S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (1) BYPASS STUD	
H3	(2)800S162-68 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
H4	(2)600S162-54 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
L1	L6X4X5/16 (LLH)	6" MIN BRG.	
L2	2L3-1/2X3-1/2X1/4	6" MIN BRG.	
L3	2L5X3 1/2X1/4 (LLBB)	6" MIN BRG.	
L4	W8X15	8" BRG.	
L5	W8X21	8" BRG.	
L6	L5X5X5/16	6" MIN BRG.	
L7	HSS8X8X3/8 w/ L8x8x1/2	SEE PLAN	
L8	W16X26	8" BRG.	
L9	L7X7X5/16 BENT PLATE	6" MIN BRG.	
L10	2L8X4X5/8LLBB	8" BRG.	

LINTEL AND BEAM NOTES:

1. LINTELS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. ALL LOCATIONS MAY NOT BE NOTED ON STRUCTURAL PLANS. COORDINATE WITH MECHANICAL.

2. SEE DETAILS 14, 15 AND 16 ON 3.45 AND 1/3.46 FOR LINTEL AND BEAM BEARINGS.

3. ALL BEAMS USED AS LINTELS IN MASONRY WALLS SHALL HAVE A 5/16" LINTEL PLATE. SEE DETAIL 13/3.45 FOR LINTEL PLATE CONFIGURATIONS.

4. LOOSE EXTERIOR BRICK ANGLES ARE TO BEAR 6" MIN. UNO.

LIGHT GAUGE STEEL HEADER NOTES:

1. ALL HEADERS TO BE UNPUNCHED MATERIAL.

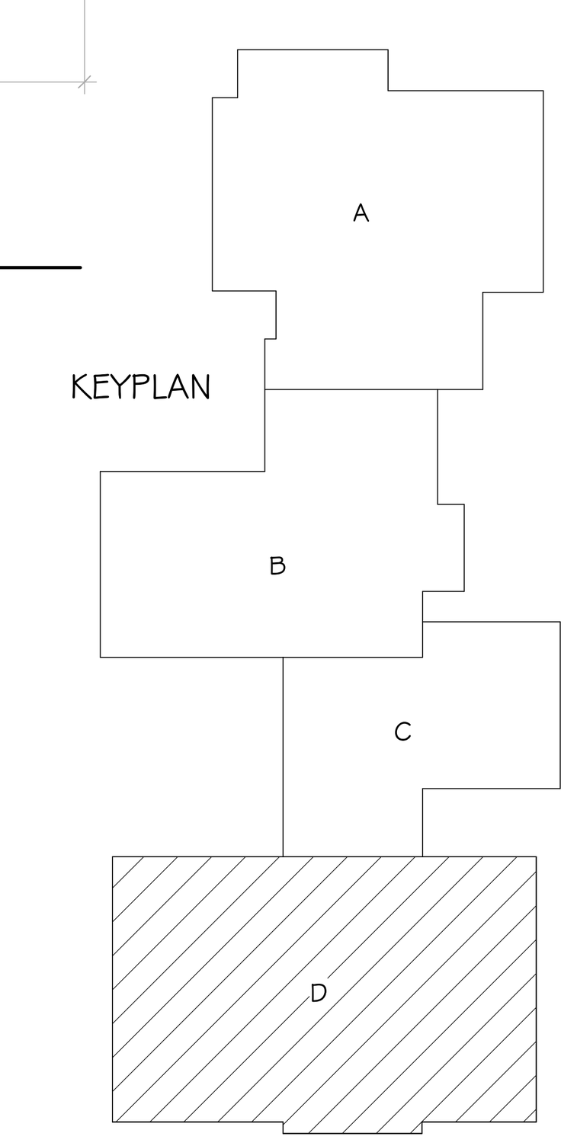
2. WEB STIFFENERS REQUIRED IN ALL HEADER PIECES AT BEARING OF ALL STEEL STUD HEADERS. PROVIDE EACH END OF HEADER.

3. ALL INTERIOR LOAD BEARING STEEL STUDS SHALL BE 50 KSI 6"x16 GA CSJ AT 16" oc BY CLARKDIETRICH OR APPROVED EQUAL. PROVIDE (2) BEARING STUDS DIRECTLY BELOW EACH JOIST/BEAM BEARING. UNO

4. HEADERS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. COORDINATE WITH MECHANICAL.

5. SEE DETAILS 6 AND 10 ON 3.65 FOR TYPICAL HEADER CONSTRUCTION.

6. PROVIDE BEARING CONDITION LISTED IN SCHEDULE UNLESS NOTED OTHERWISE ON PLAN.



KEYPLAN

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STRUCTURAL ENGINEERING ASSOCIATES

project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
ROOF FRAMING PLAN - AREA D

number SEA Job. No. AI 230600
date 07/01/2024
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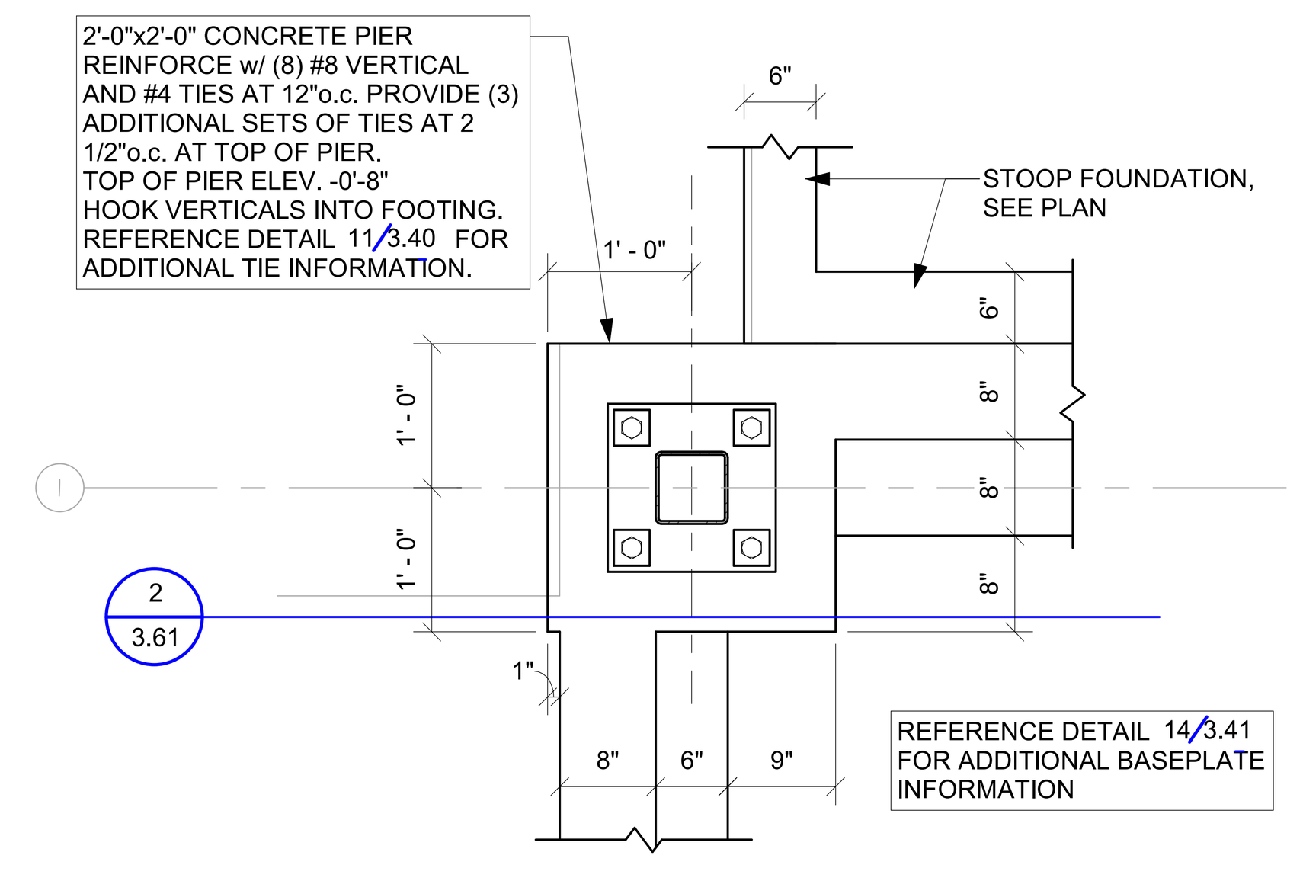
drawn RDM checked MAS

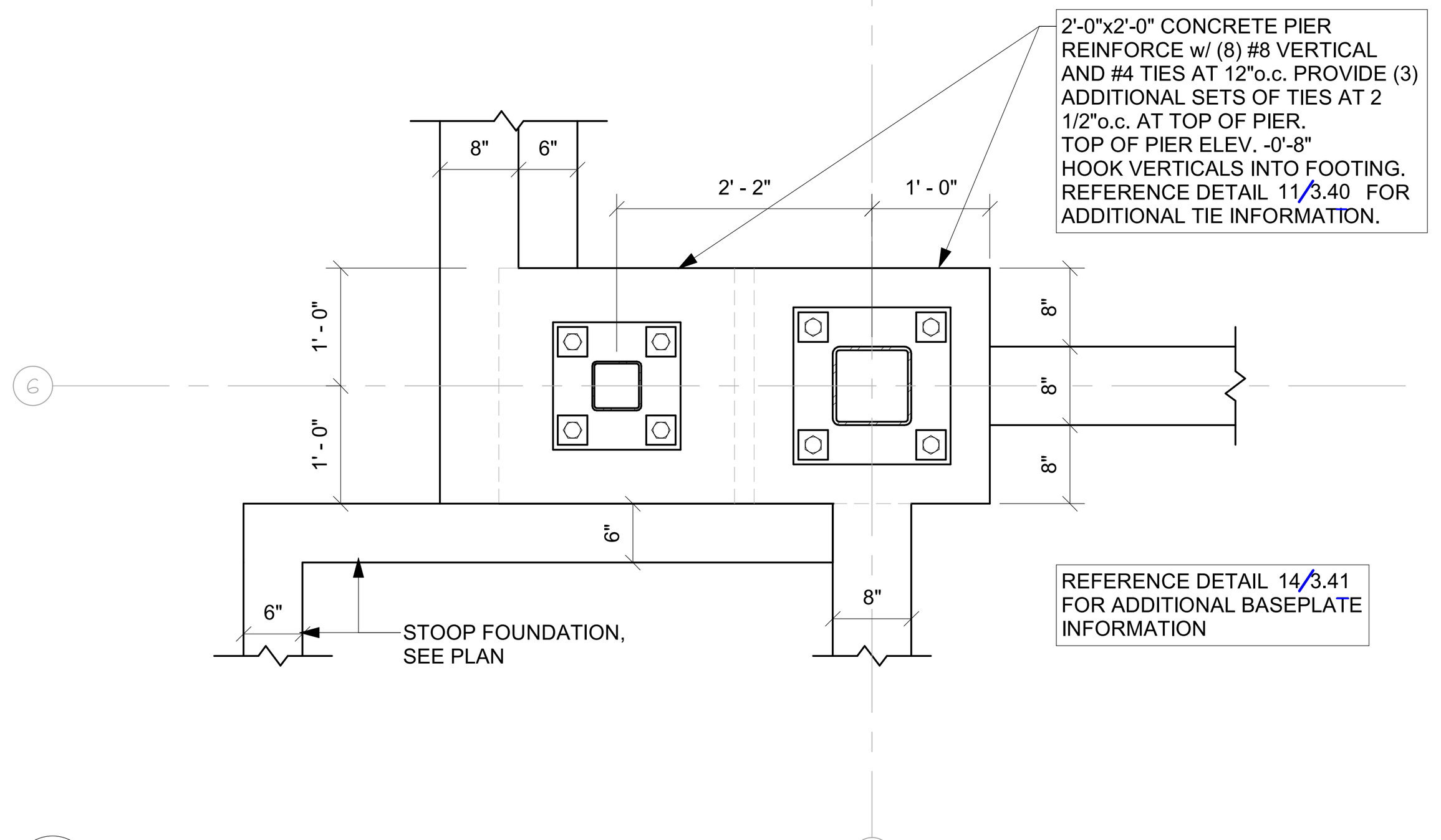
MARK	DATE	DESCRIPTION
AD 3	8/01/2024	ADDENDA 3

3.24

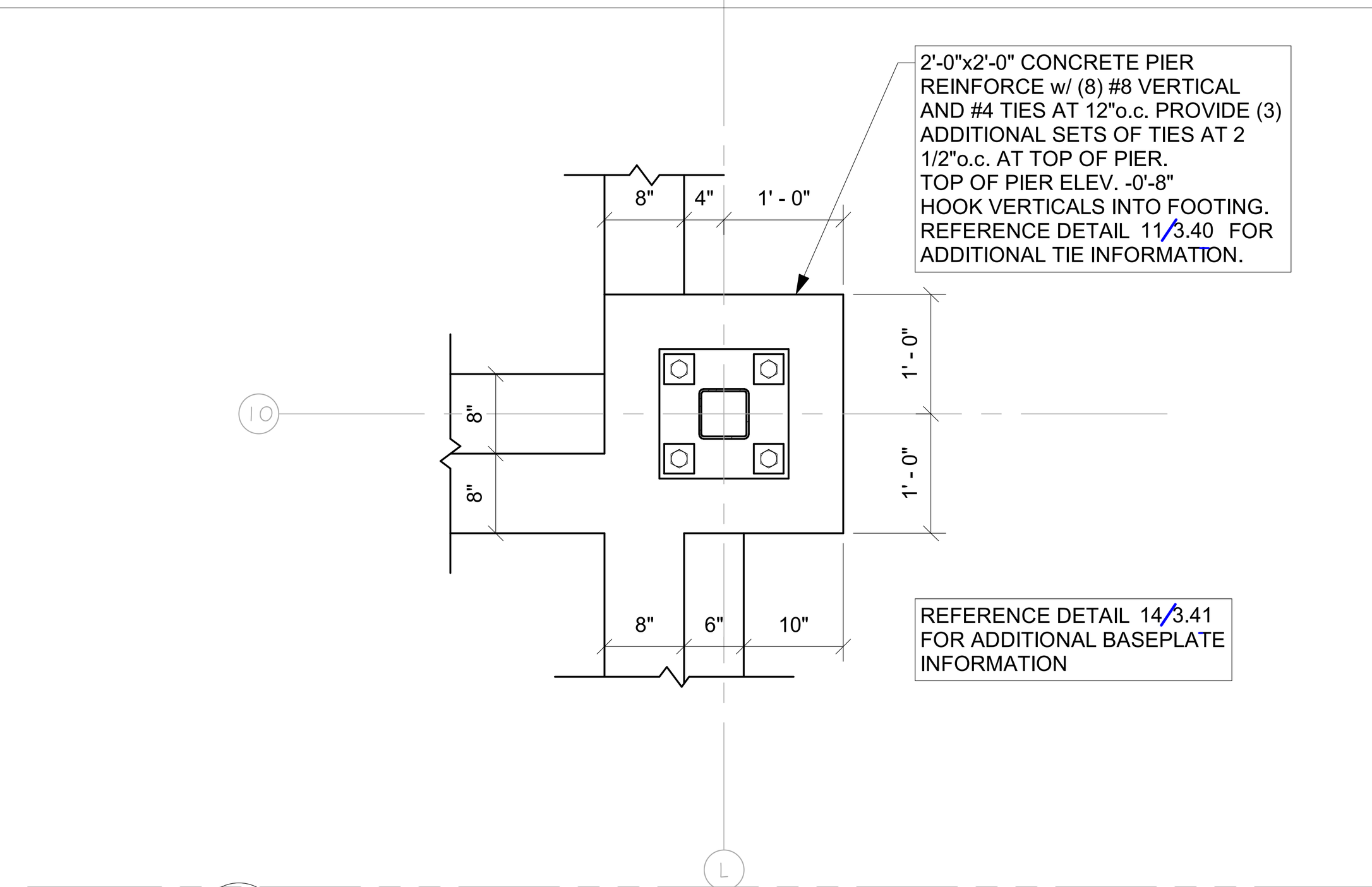
8/1/2024 11:03:42 AM



1 CONCRETE PIER DETAIL
3.44 NTS



5 TYP CONCRETE PIERS AT ENTRY DETAIL
3.44 NTS



9 CONCRETE PIER DETAIL
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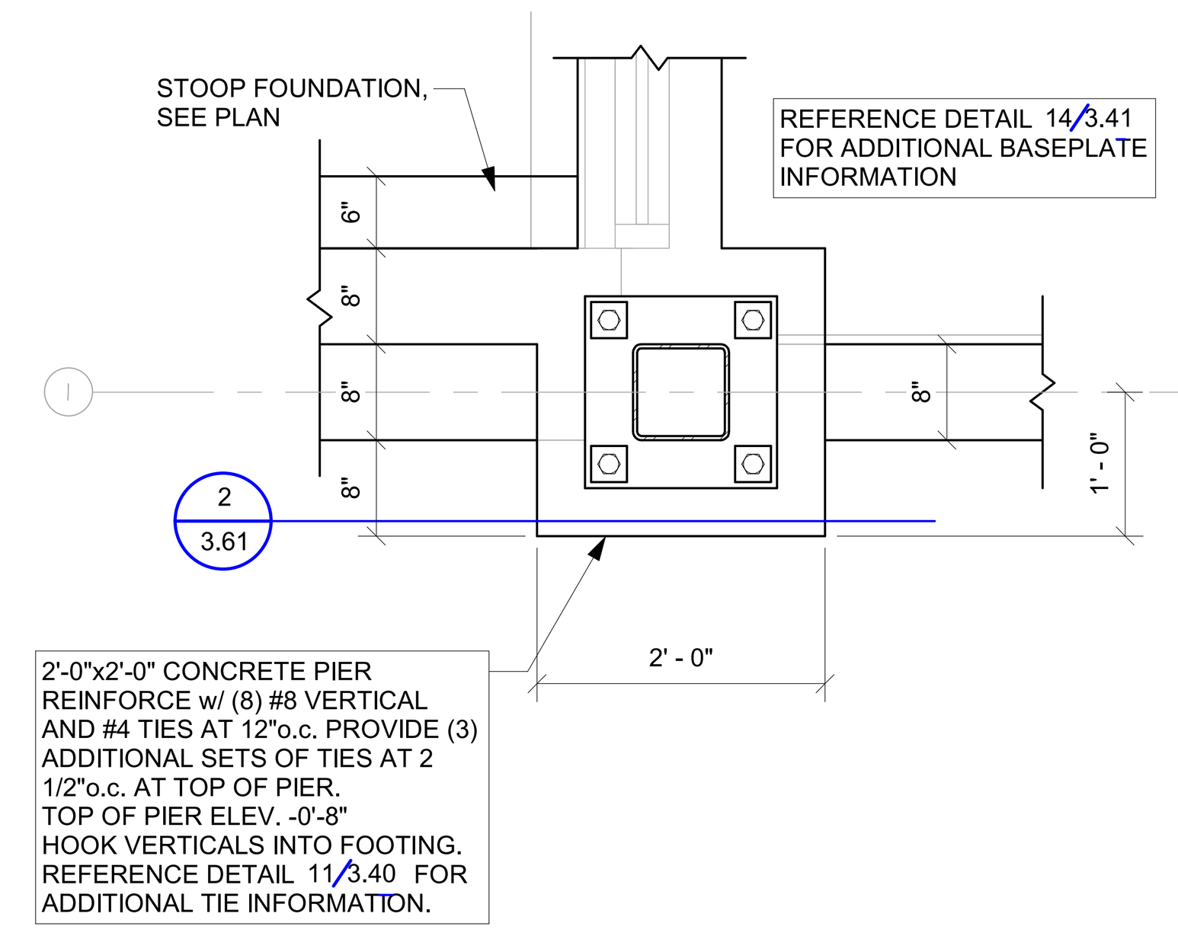

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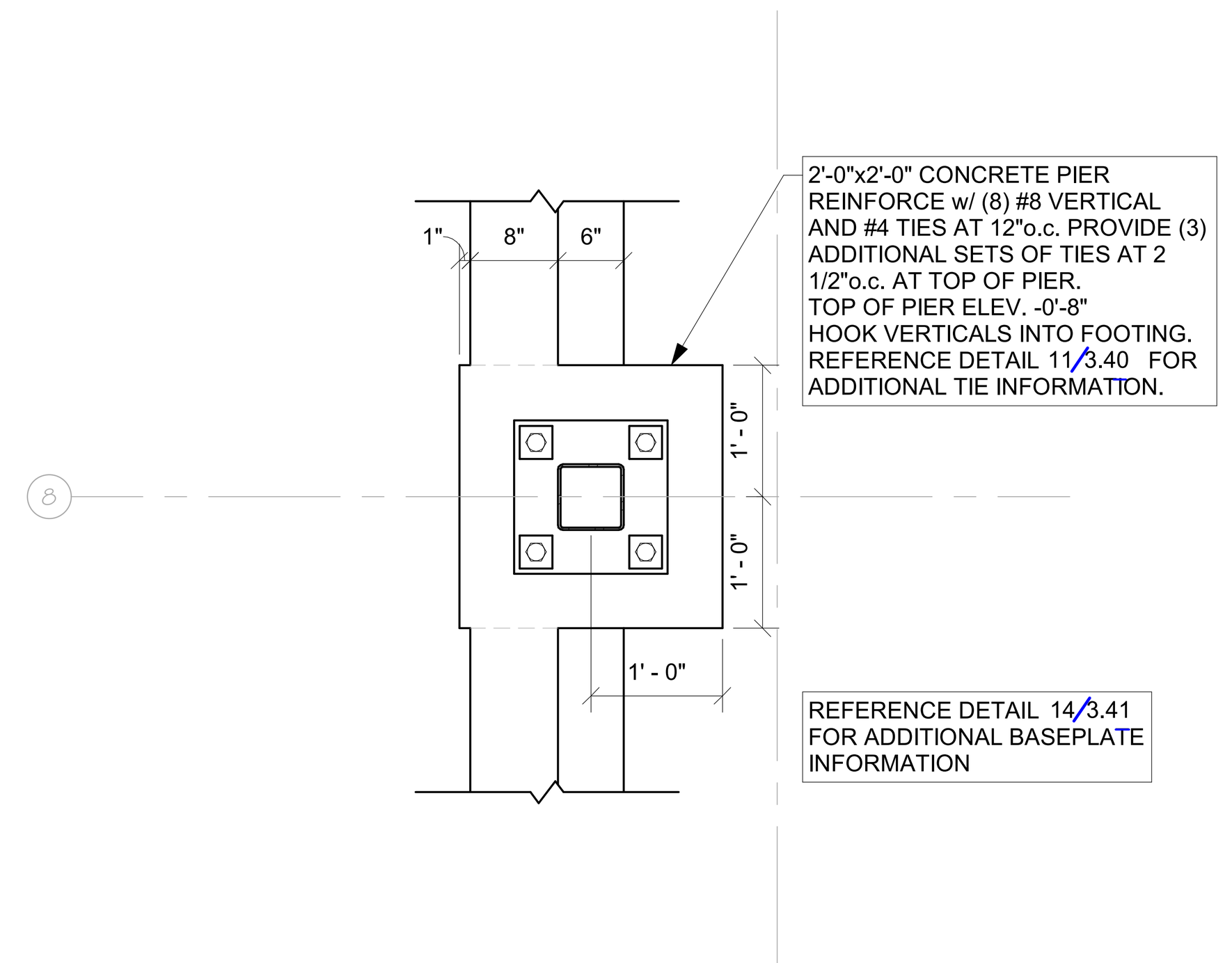

6 CONCRETE PIER DETAIL
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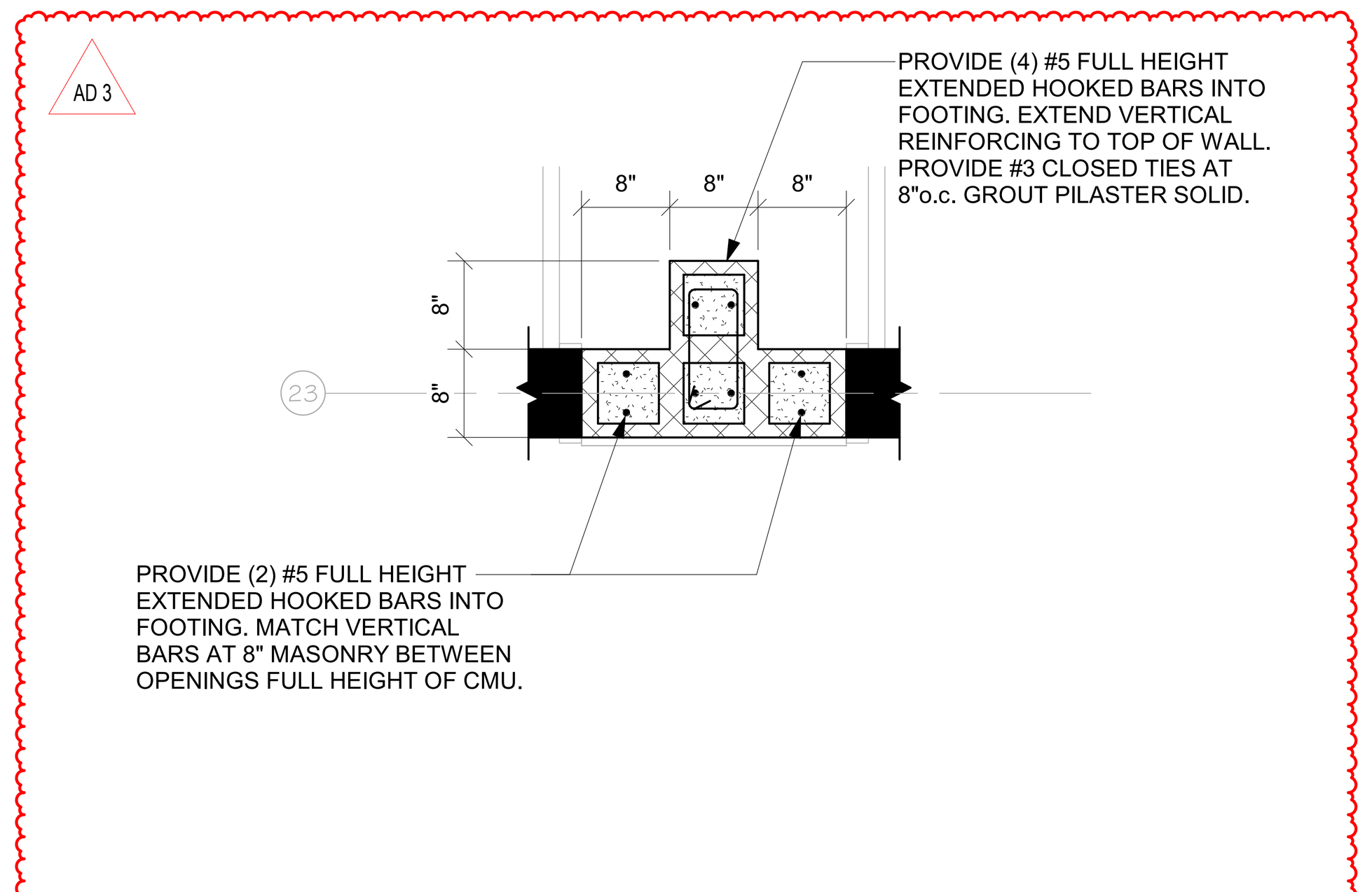
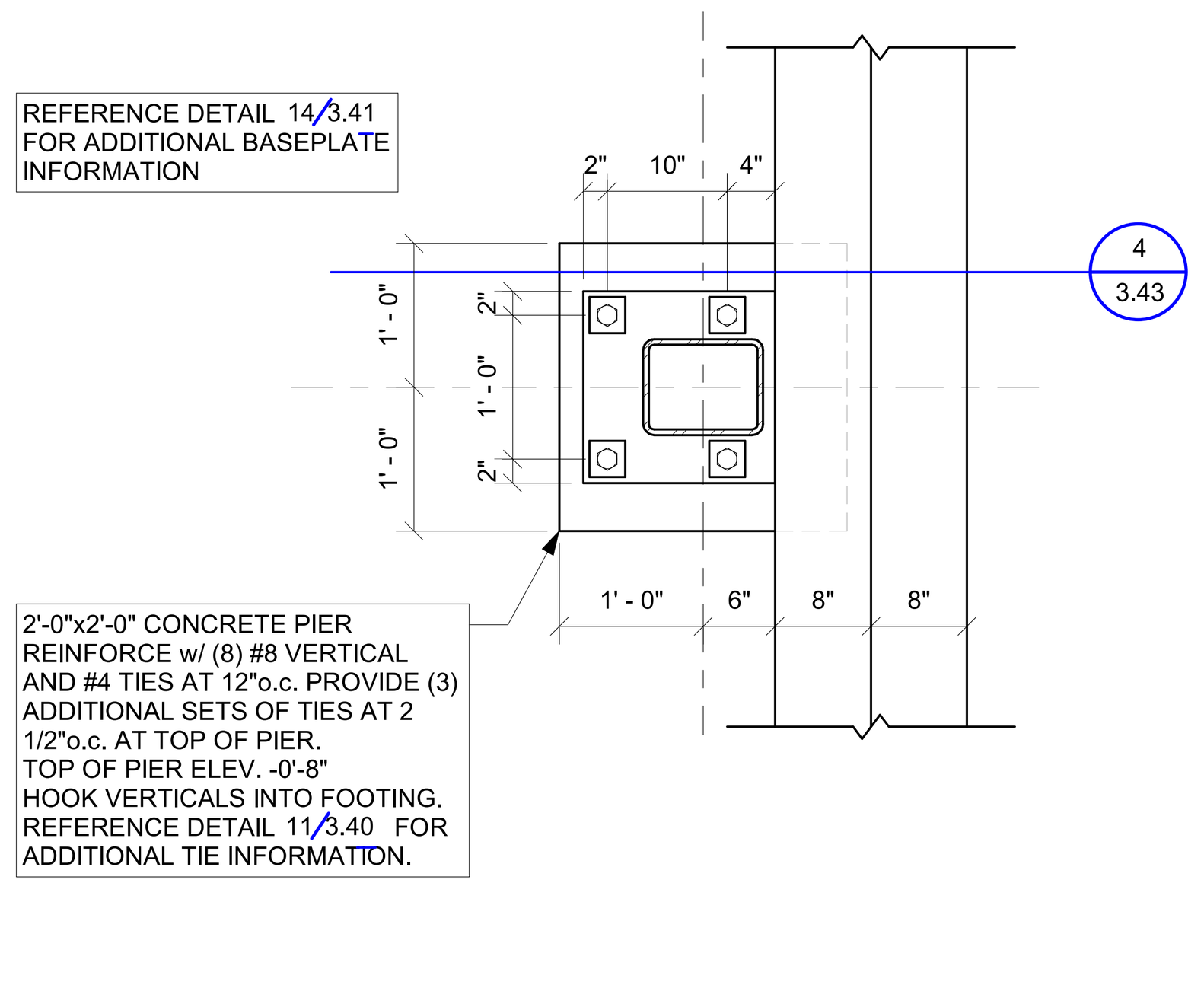
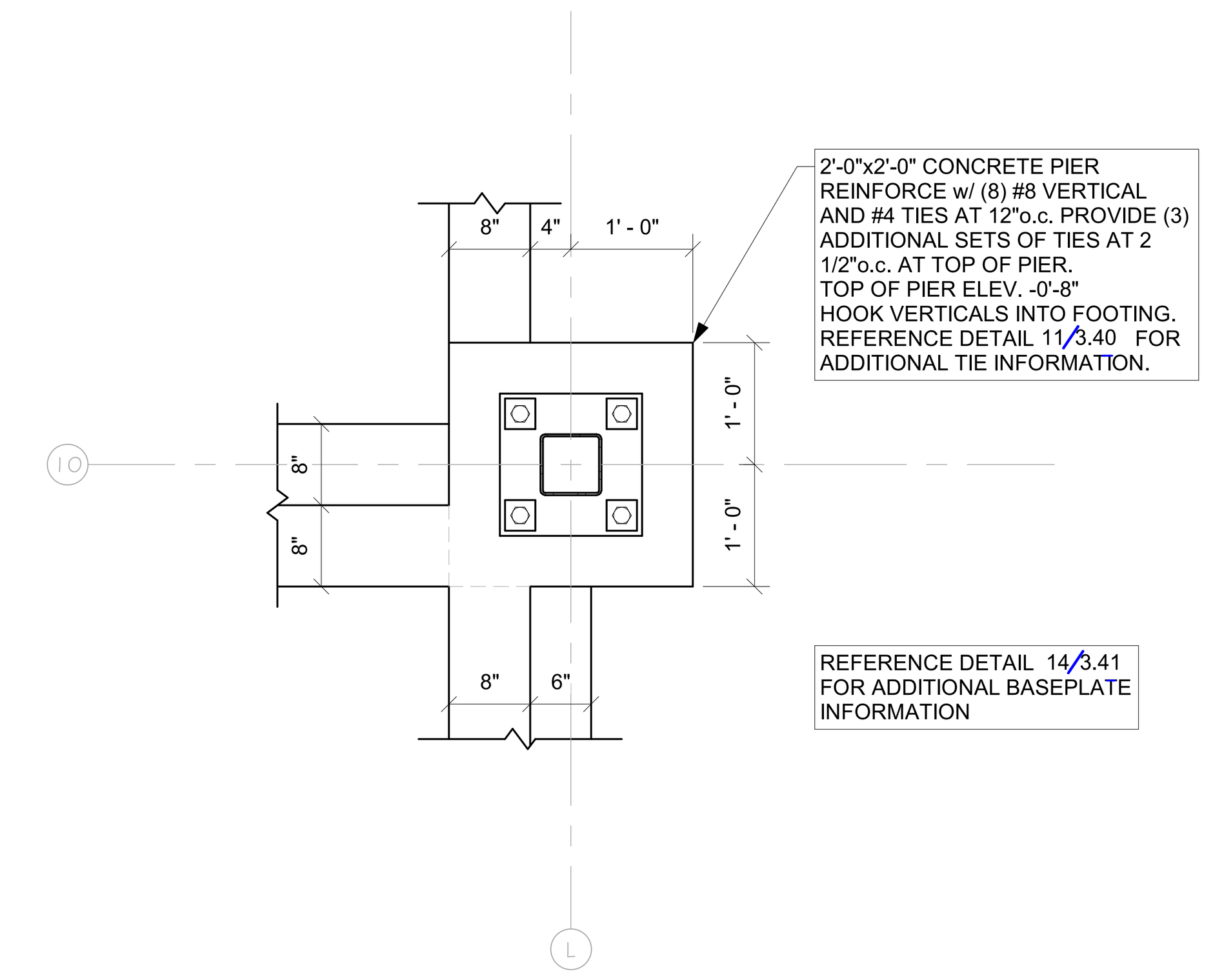


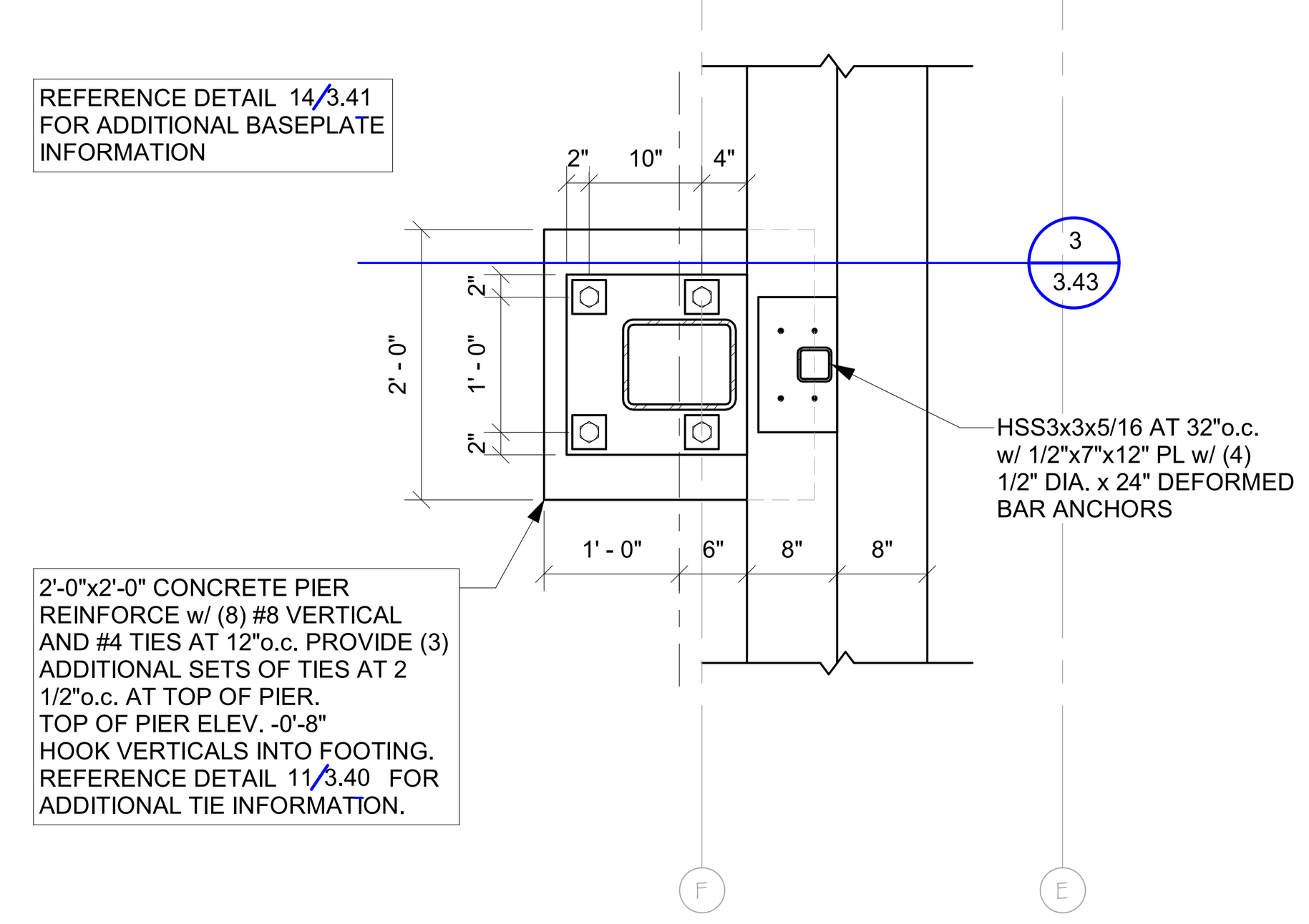
10 CMU PILASTER AT HIGH WIND SHELTER BETWEEN OPENINGS
3.44 NTS



3 CONCRETE PIER DETIAL
3.44 NTS



7 CONCRETE PIER DETAIL
3.44 NTS



4 CONCRETE PIER DETAIL
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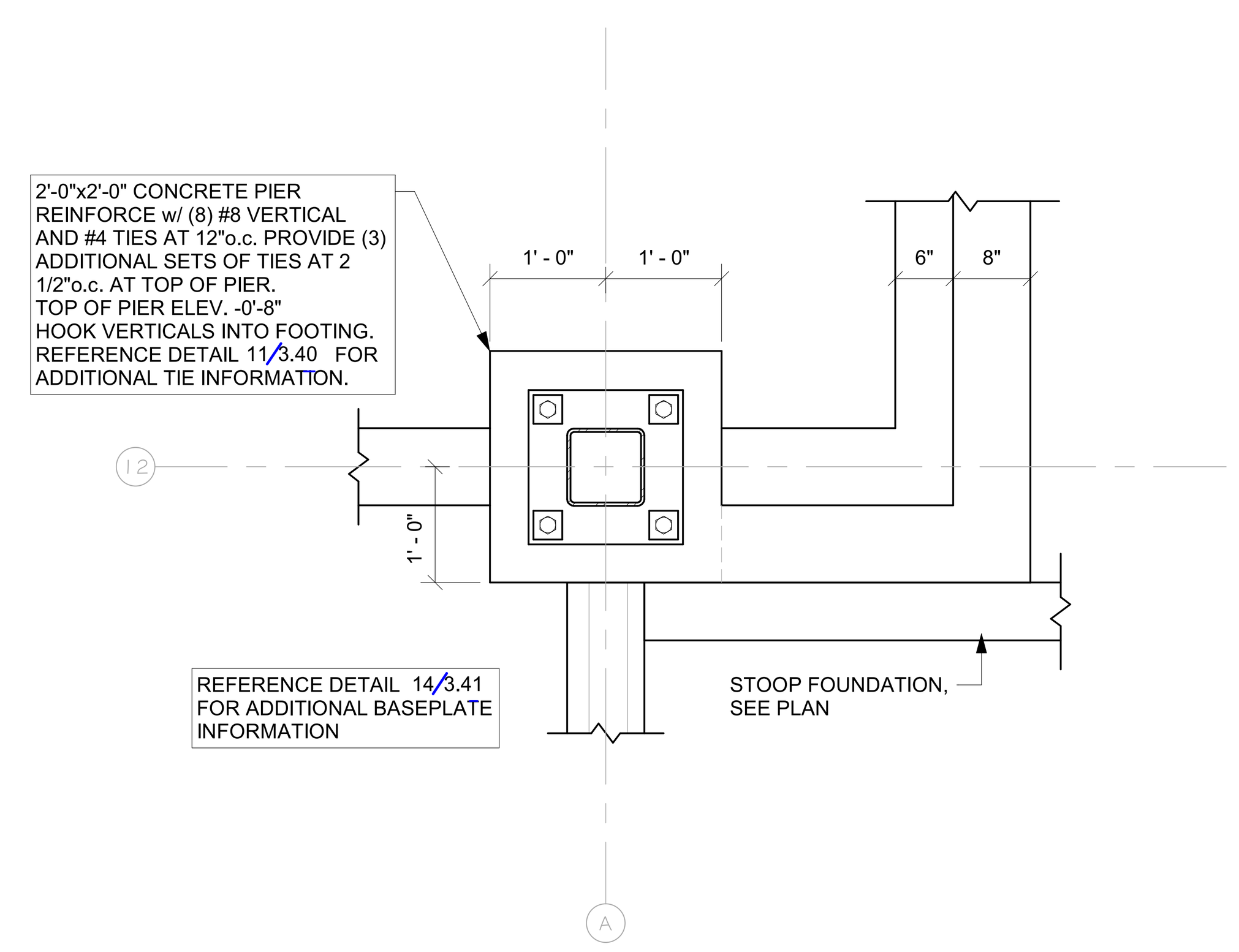

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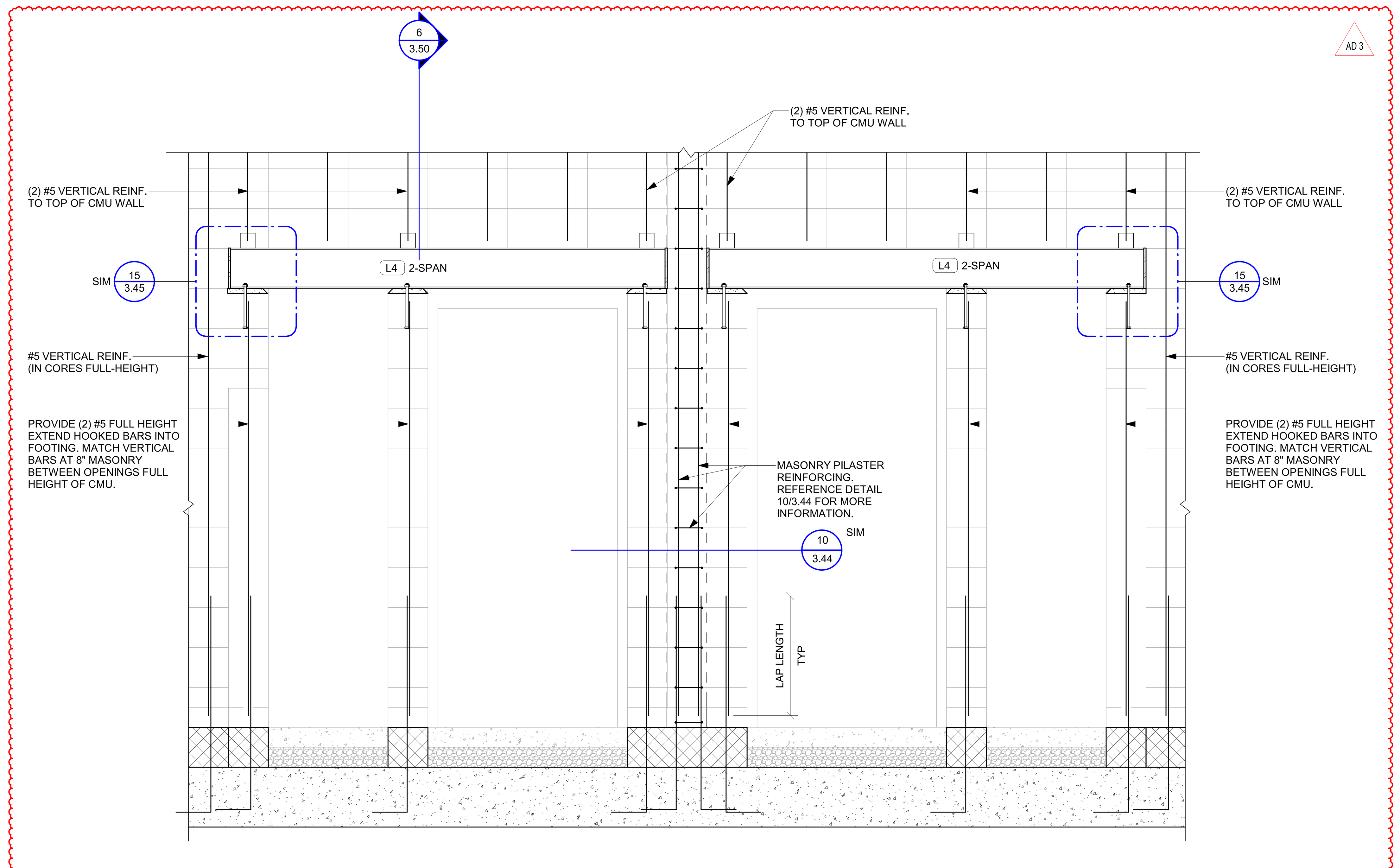

11 FRAMING ELEVATION AT HIGH WIND SHELTER
3.44 NTS

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REGISTERED PROFESSIONAL ENGINEER · SOUTH DAKOTA · 7.01.2024

project
BRANDON VALLEY ELEMENTARY SCHOOL

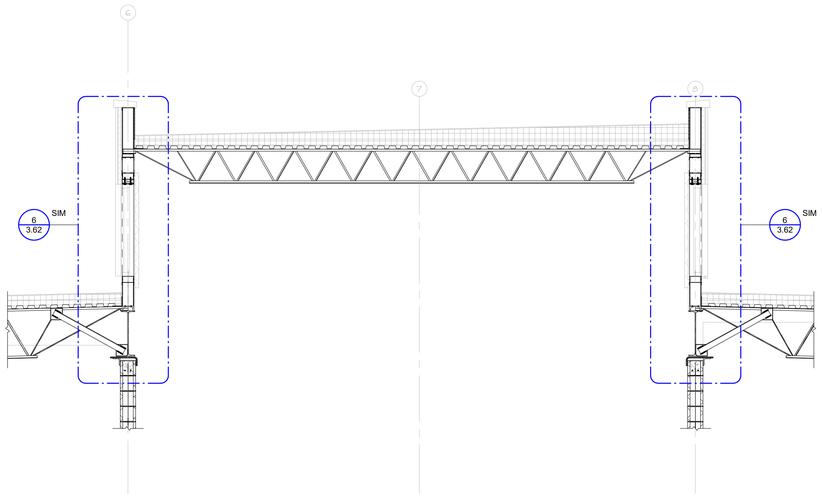
sheet contents
STRUCTURAL DETAILS

number SEA Job. No. AI 230600
date 07/01/2024
revision
drawn RDM checked MAS

MARK	DATE	DESCRIPTION
AD 3	8/01/2024	ADDENDA 3

3.44

8/1/2024 11:03:44 AM



1 3.50 FRAMING SECTION
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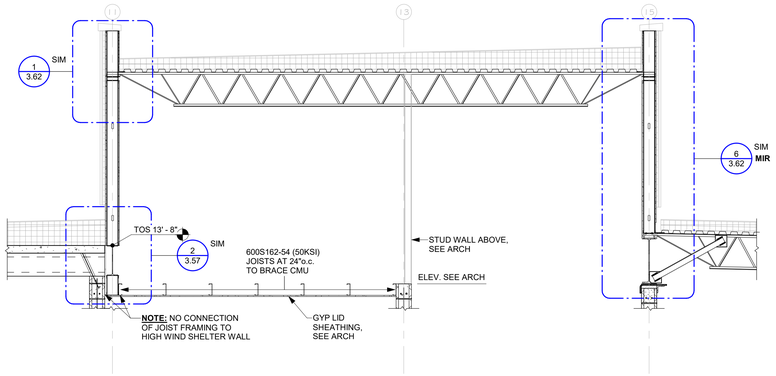

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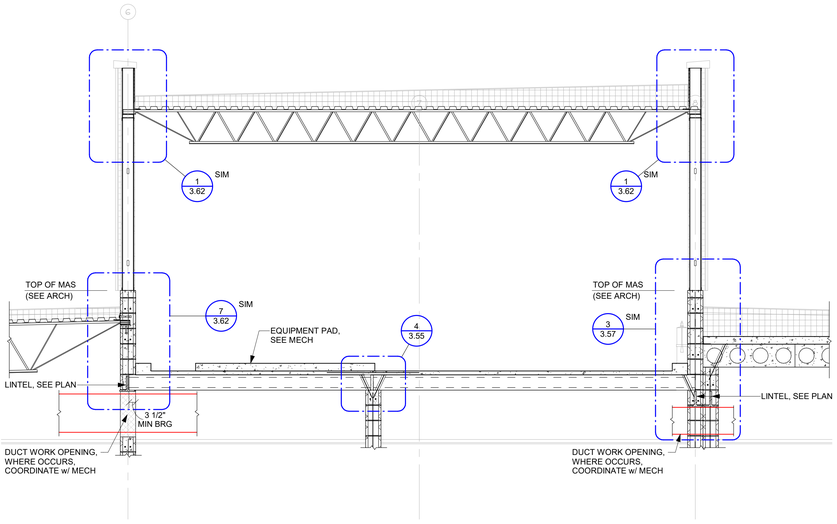

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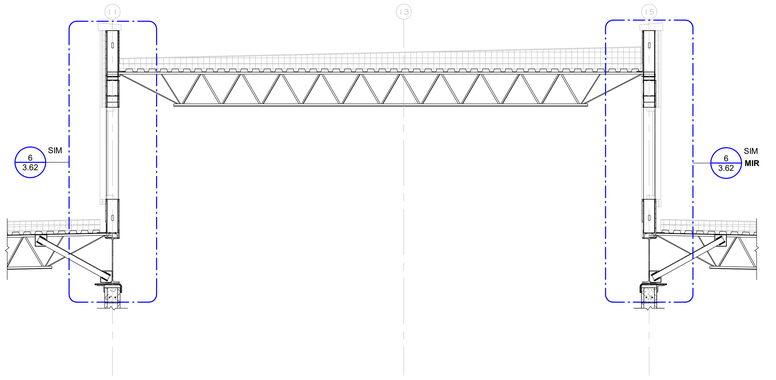

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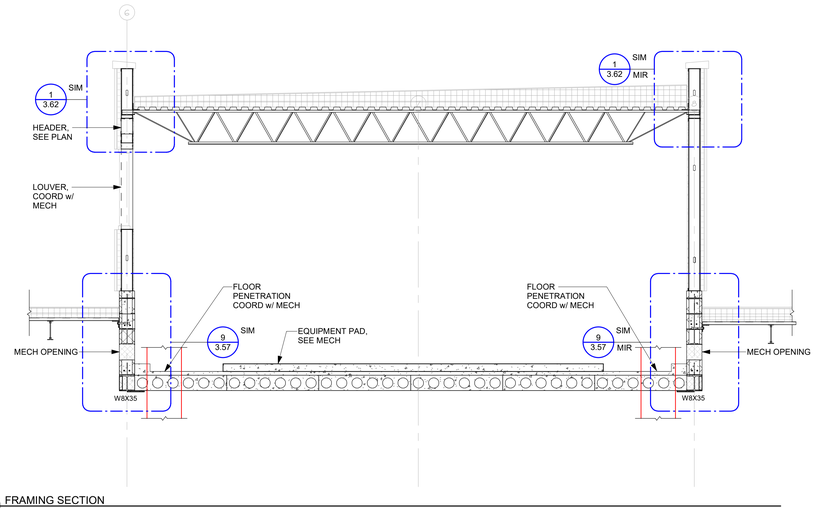

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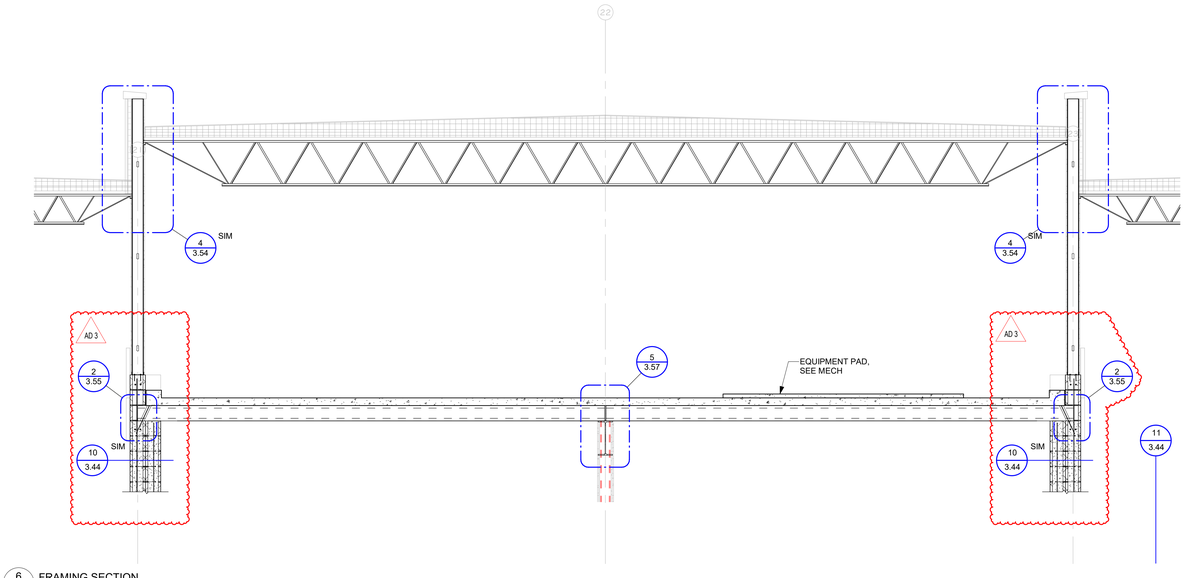

6 3.50 FRAMING SECTION
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project
BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents
STRUCTURAL SECTIONS

number 5EA Job. No. AI 230600
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MARK	DATE	DESCRIPTION
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3.50

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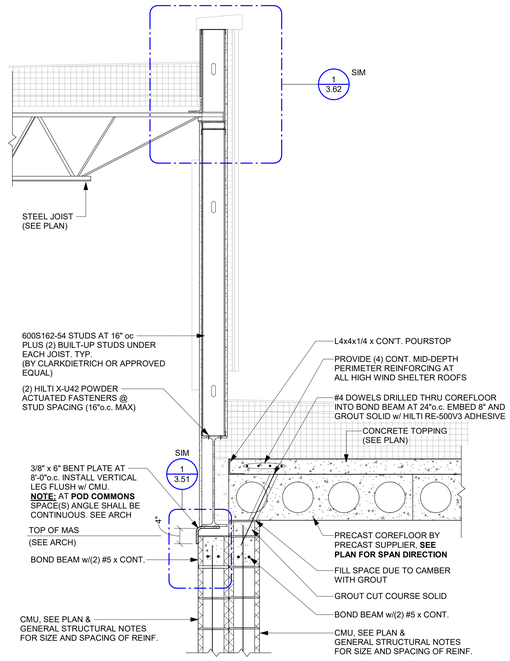

1 3.57 FRAMING DETAIL AT SHELTER
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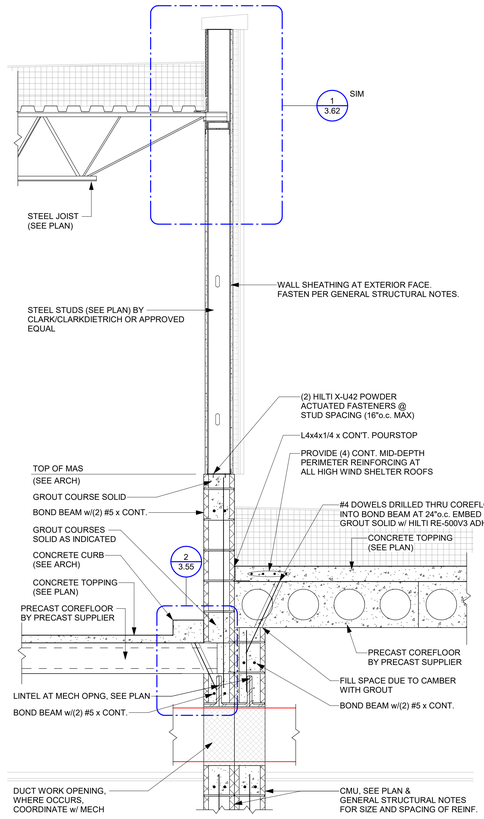

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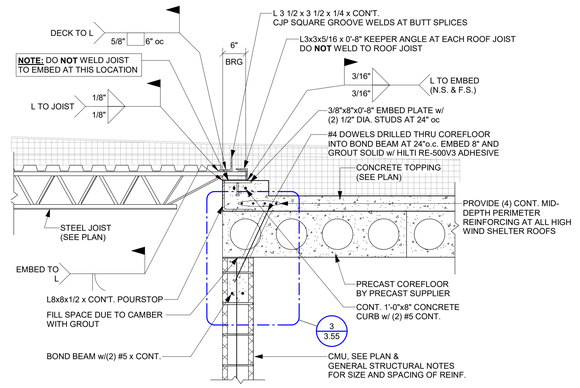

6 3.57 FRAMING DETAIL ALONG HIGH WIND SHELTER
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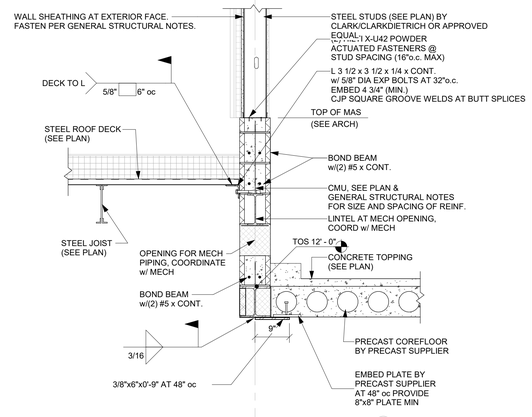

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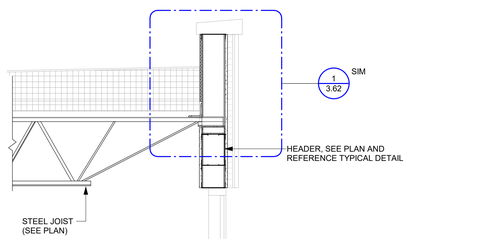

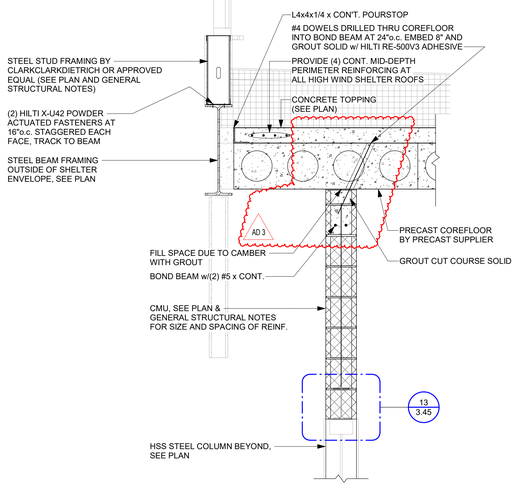

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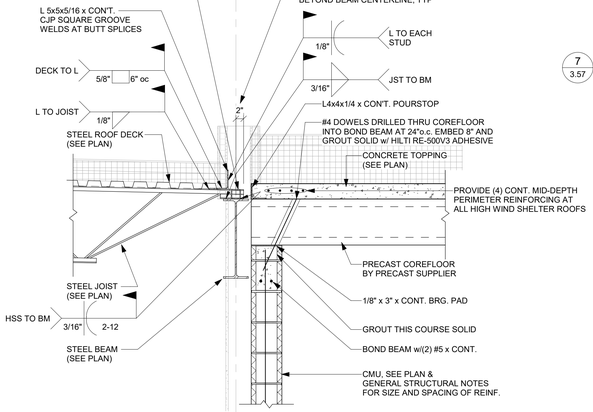

4 3.57 FRAMING DETAIL ALONG HIGH WIND SHELTER
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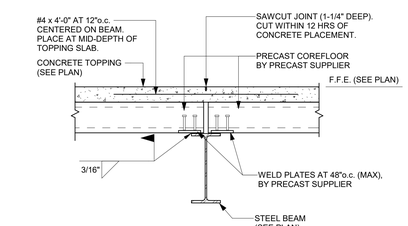
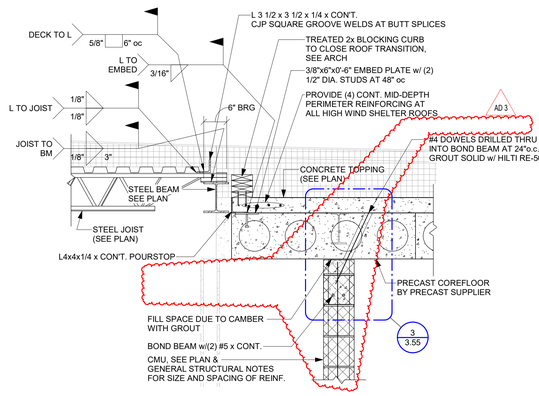


5 3.57 COREFLOOR TO FLUSH STEEL BEAM DETAIL
NTS



7 3.57 FRAMING DETAIL ALONG HIGH WIND SHELTER
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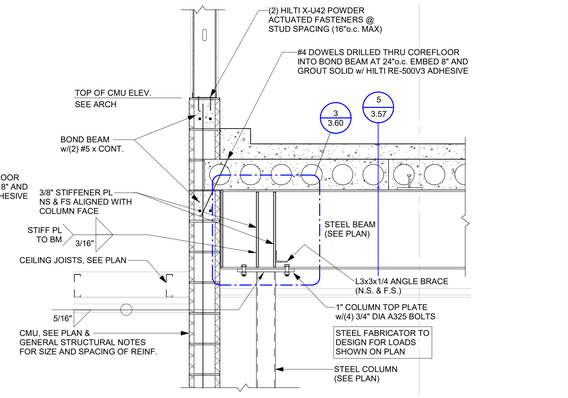

10 3.57 TYPICAL FRAMING DETAIL
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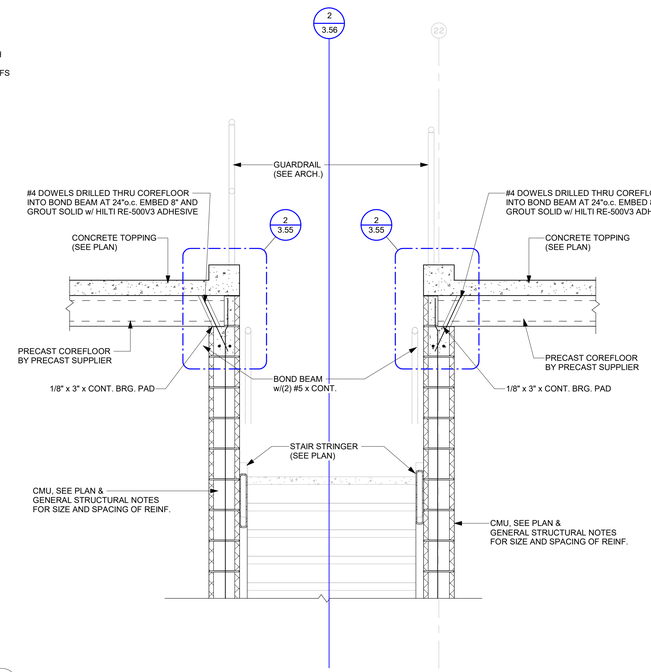

8 3.57 FRAMING DETAIL AT STAIR
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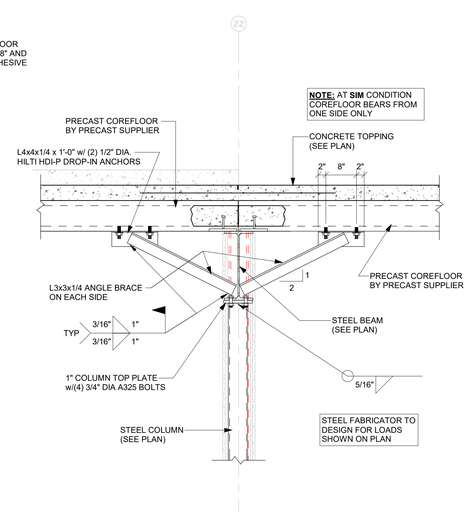

11 3.57 BRACING DETAIL AT COLUMN
NTS

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07/01/2024

project BRANDON VALLEY ELEMENTARY SCHOOL
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date 07/01/2024
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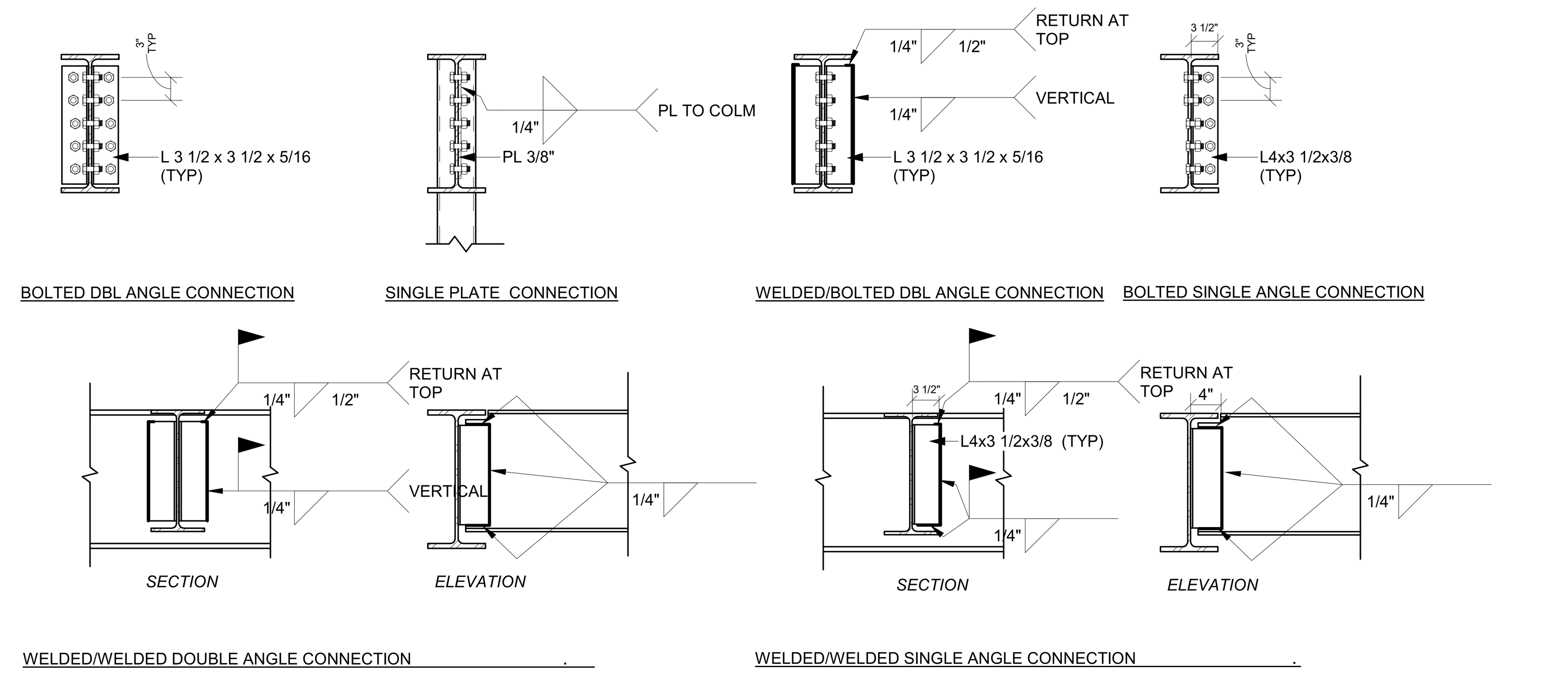
MARK	DATE	DESCRIPTION
AD 3	8/01/2024	ADDENDA 3

3.57

8/1/2024 11:03:51 AM

3/4" DIA ASTM F3125 A325 CONNECTION SCHEDULE - MAX REACTION (KIPS) - SERVICE LEVEL																	
	BOLTS		BEAM	BOLTED DBL ANGLE COPED TOP & BOTT.		BOLTED DBL ANGLE UNCOPED		3/8" SINGLE PLATE UNCOPED		3/8" SINGLE PLATE COPED TOP & BOTT.		WELDED./BOLTED DBL ANGLE UNCOPED		BOLTED SINGLE ANGLE UNCOPED		BOLTED SINGLE ANGLE COPED	
	MIN.	MAX.		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
1"x4" COPE	2	2	W8	6	6	20	20	13	13	6	6	15	15	10	10	6	6
	2	3	W10	13	N/A	20	25	13	27	8	N/A	15	26	10	N/A	6	N/A
	2	3	W12	20	21	20	35	13	27	15	N/A	15	34	10	19	6	7
	3	3	W14	32	32	40	40	27	27	26	26	34	34	20	20	20	20
	3	4	W16	36	46	43	58	27	41	26	39	34	58	20	30	20	30
1.5"x7" COPE	3	5	W18	39	43	52	77	27	54	26	40	34	77	20	42	20	39
	4	6	W21	61	72	80	105	41	60	41	60	57	104	32	55	29	55
	4	7	W24	70	110	80	134	41	73	41	70	57	129	32	66	32	66
	5	7	W27	100	139	100	140	54	73	54	70	81	129	43	66	43	66
	5	8	W30	100	160	100	160	54	85	54	84	81	153	43	77	43	77
	6	9	W33	120	180	120	180	60	98	60	98	105	177	55	88	55	88
	6	10	W36	120	200	120	200	60	110	60	110	105	205	55	99	55	99

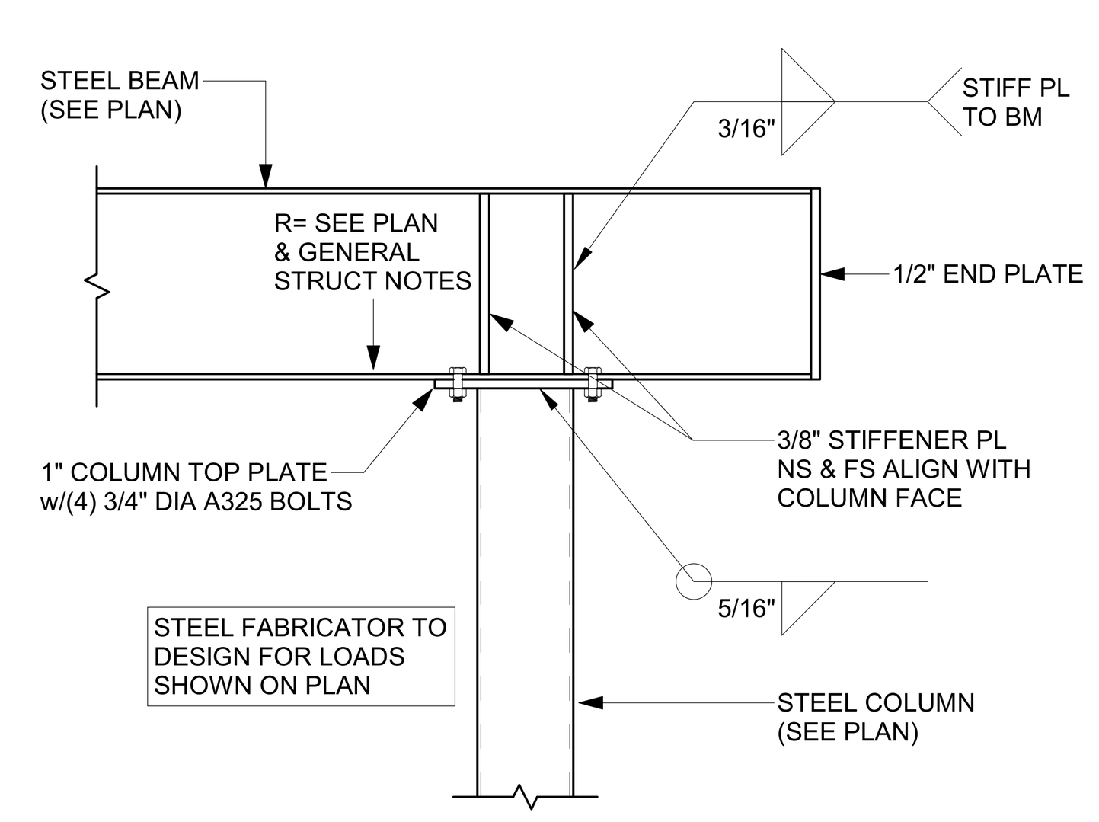
1. ALL MAX REACTIONS ARE IN KIPS AND ARE FOR SERVICE LEVEL LOADS.
2. ALL DOUBLE ANGLE CONNECTIONS REQUIRE MIN 3 1/2x3 1/2x5/16 ANGLES.
3. ALL SINGLE ANGLE CONNECTIONS REQUIRE MIN 4x3 1/2x3/8 WITH LONG LEG ON BEAM
4. MIN WELD SIZE 1/4" FILLET.
5. MIN SHEAR PLATE 3/8".
6. ALL BOLTS 3/4" DIA A325 N
7. AT SINGLE PLATE CONNECTIONS: MAX DISTANCE FROM FACE OF SUPPORT TO ROW OF BOLTS 3", EDGE DISTANCE FROM CENTER OF BOLTS MUST BE 1.5". PROVIDE SHORT SLOTTED HOLES AS REQUIRED BY AISC SPECIFICATIONS.
8. WHERE SHARED BOLTS ARE USED IN GIRDER/COLUMN WEB OR BEAM WEB AND THE WEB IS LESS THAN 5/16". THE SUM OF THE REACTIONS FROM BOTH SIDES IS LIMITED TO 10KIP TIMES THE NUMBER OF BOLTS
9. COPES INDICATED ARE MAXIMUMS. IF COPES EXCEED THOSE SHOWN NOTIFY ENGINEER.
10. IF REACTIONS IN PLANS CAN NOT BE RESISTED BY THESE CONNECTIONS NOTIFY THE ENGINEER.
11. AT SINGLE ANGLE CONNECTIONS BOLTS MUST BE STAGGERED, NOT ALIGNED AND SHARED BY OPPOSING MEMBERS



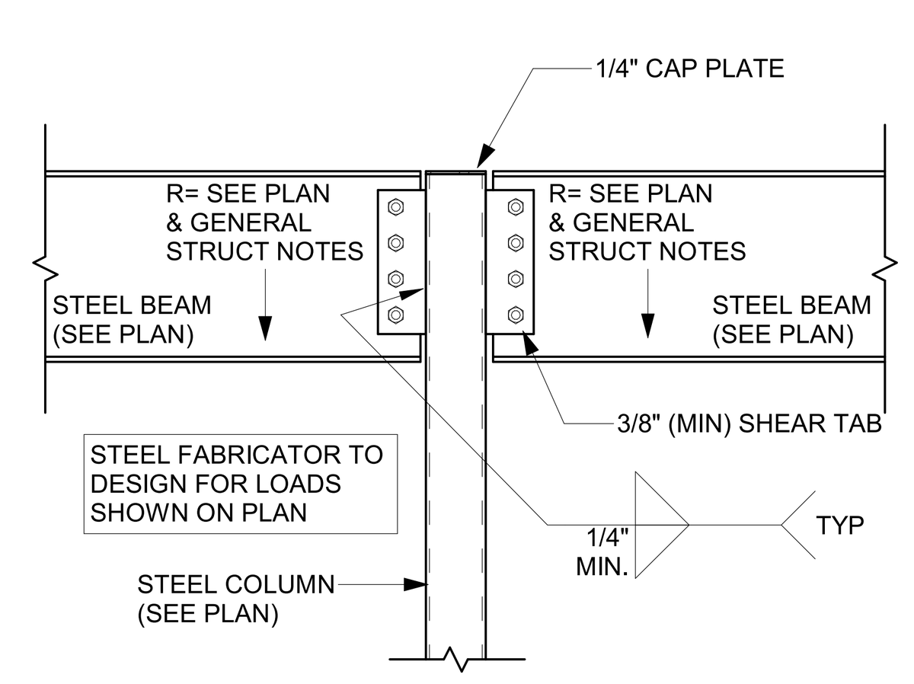
1 / 3.60 TYPICAL CONNECTION DETAILS FOR BEAM CONNECTION SCHEDULE
NTS

AD 3

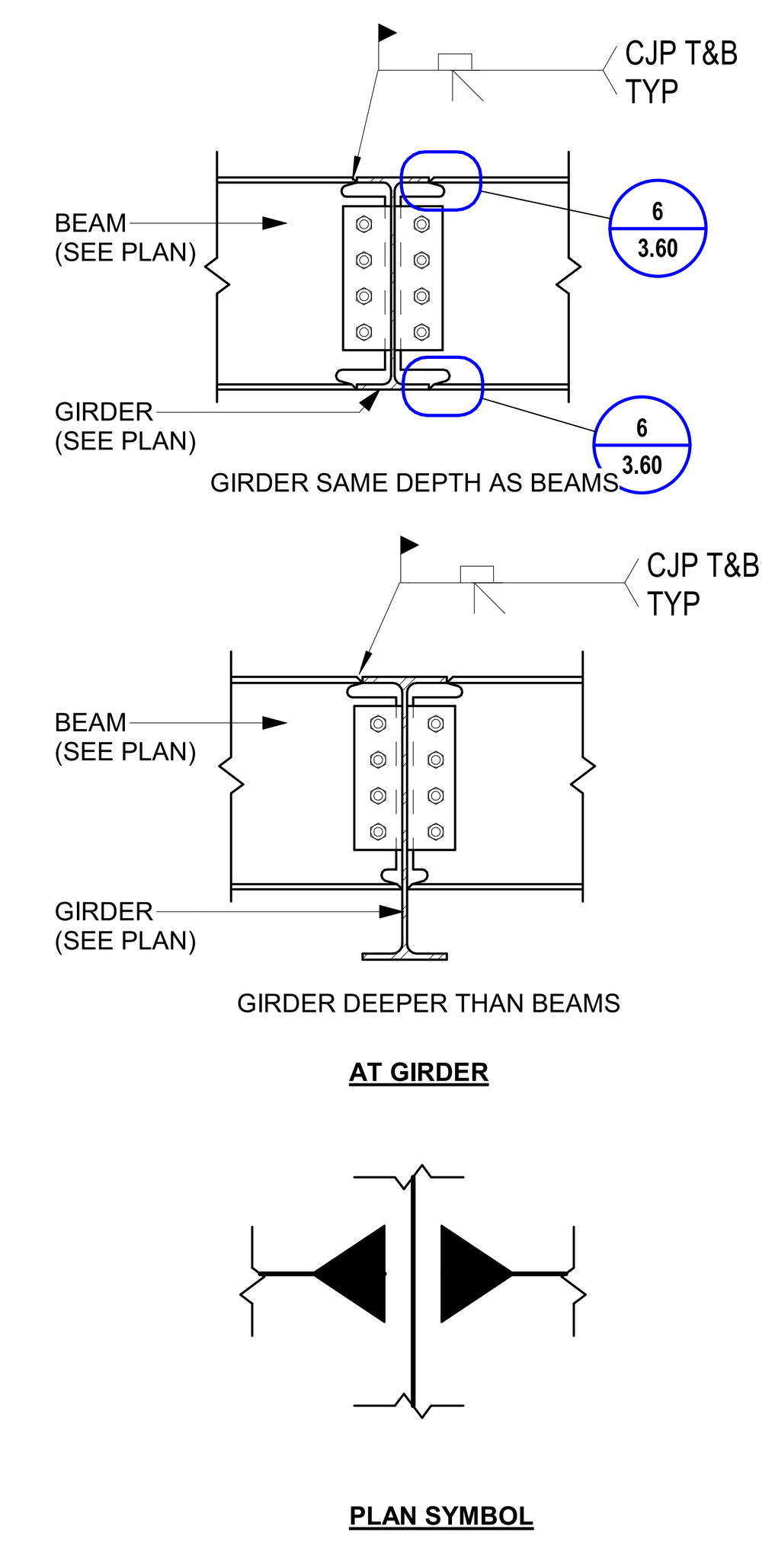
2 / 3.60 NOT USED
NTS



3 / 3.60 TYP. CONTINUOS BEAM/POST TRANSFER BEAM
NTS

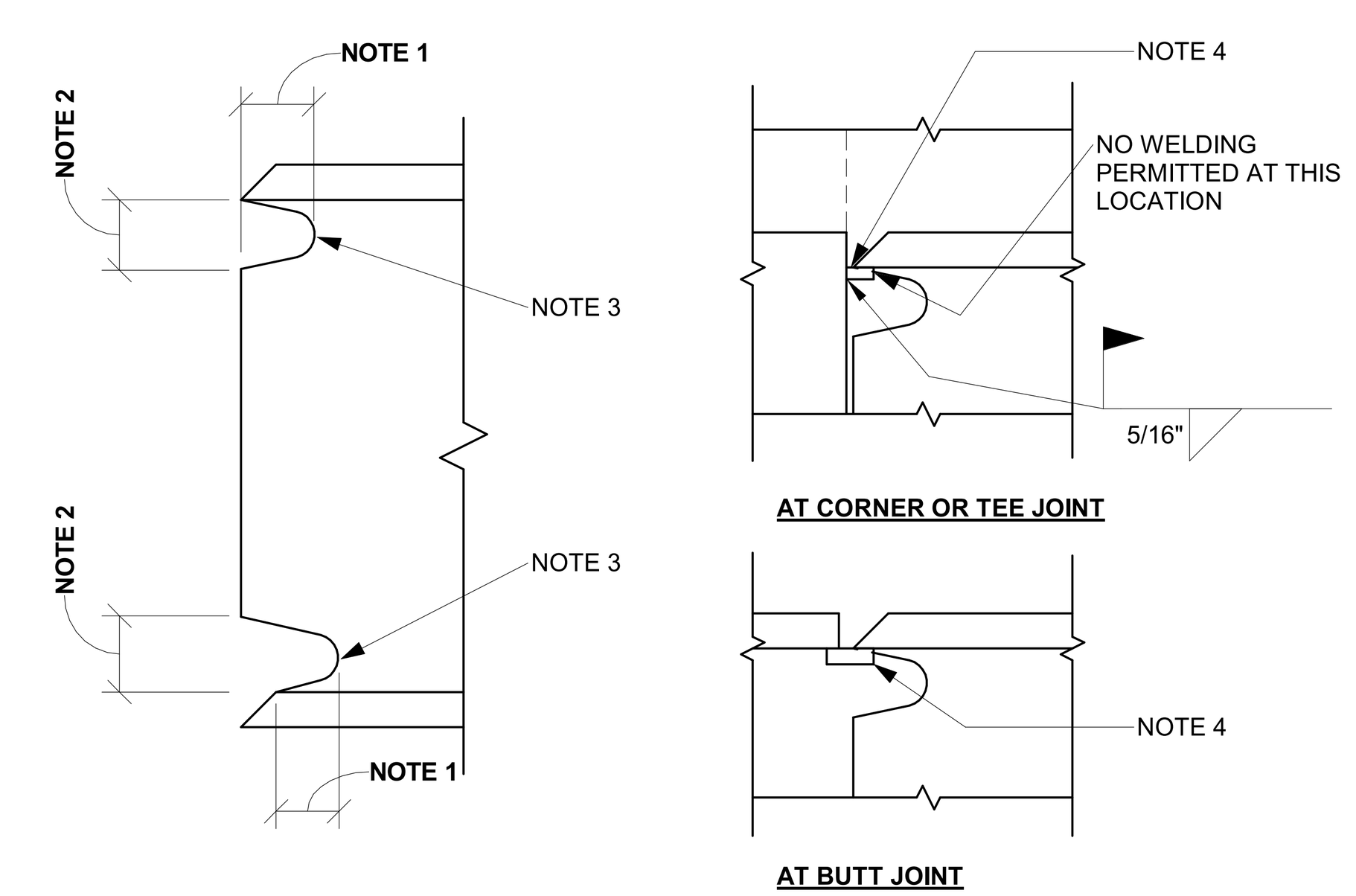


4 / 3.60 TYP. STEEL BEAM TO HSS COLUMN
NTS

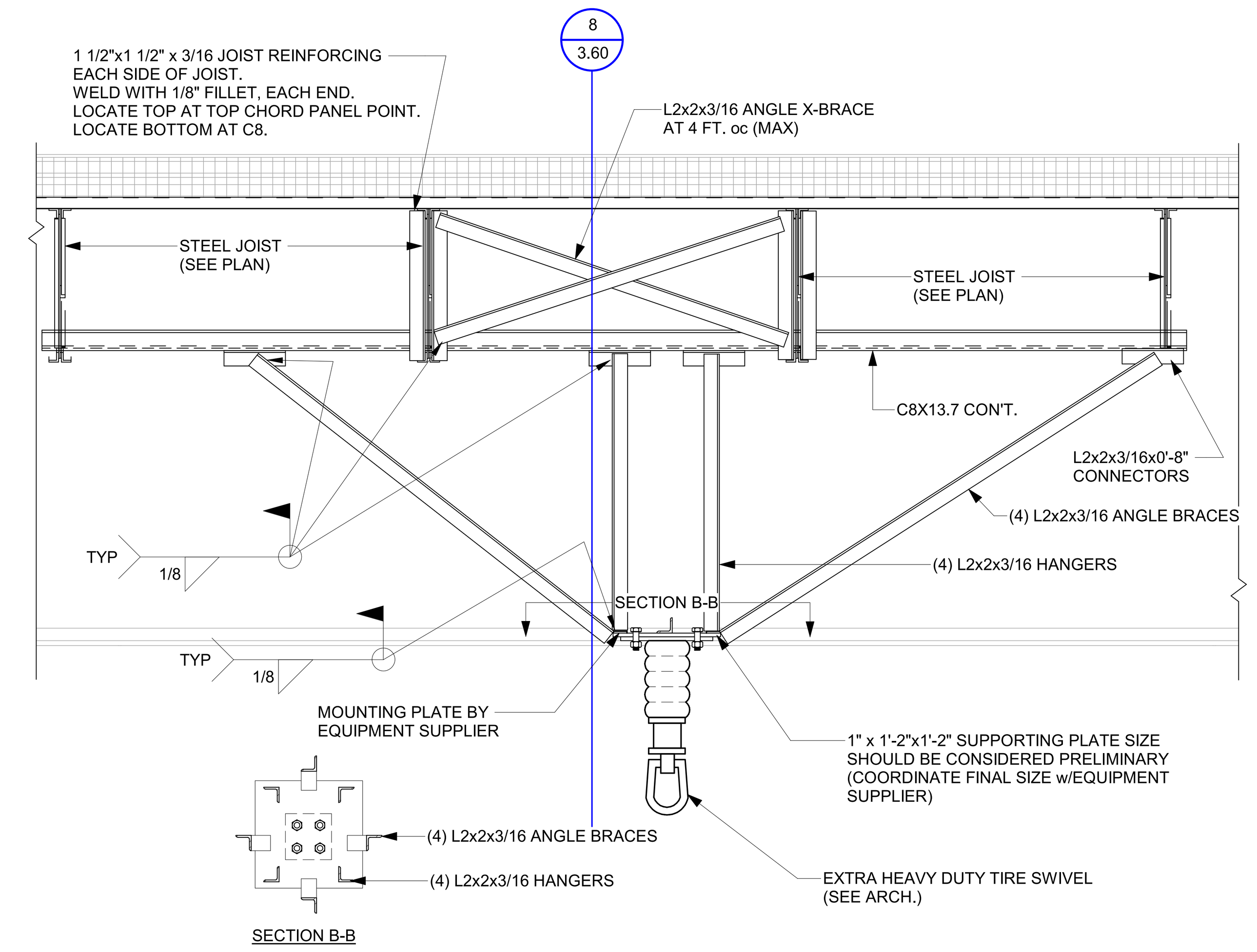


5 / 3.60 TYP MOMENT CONNECTION
NTS

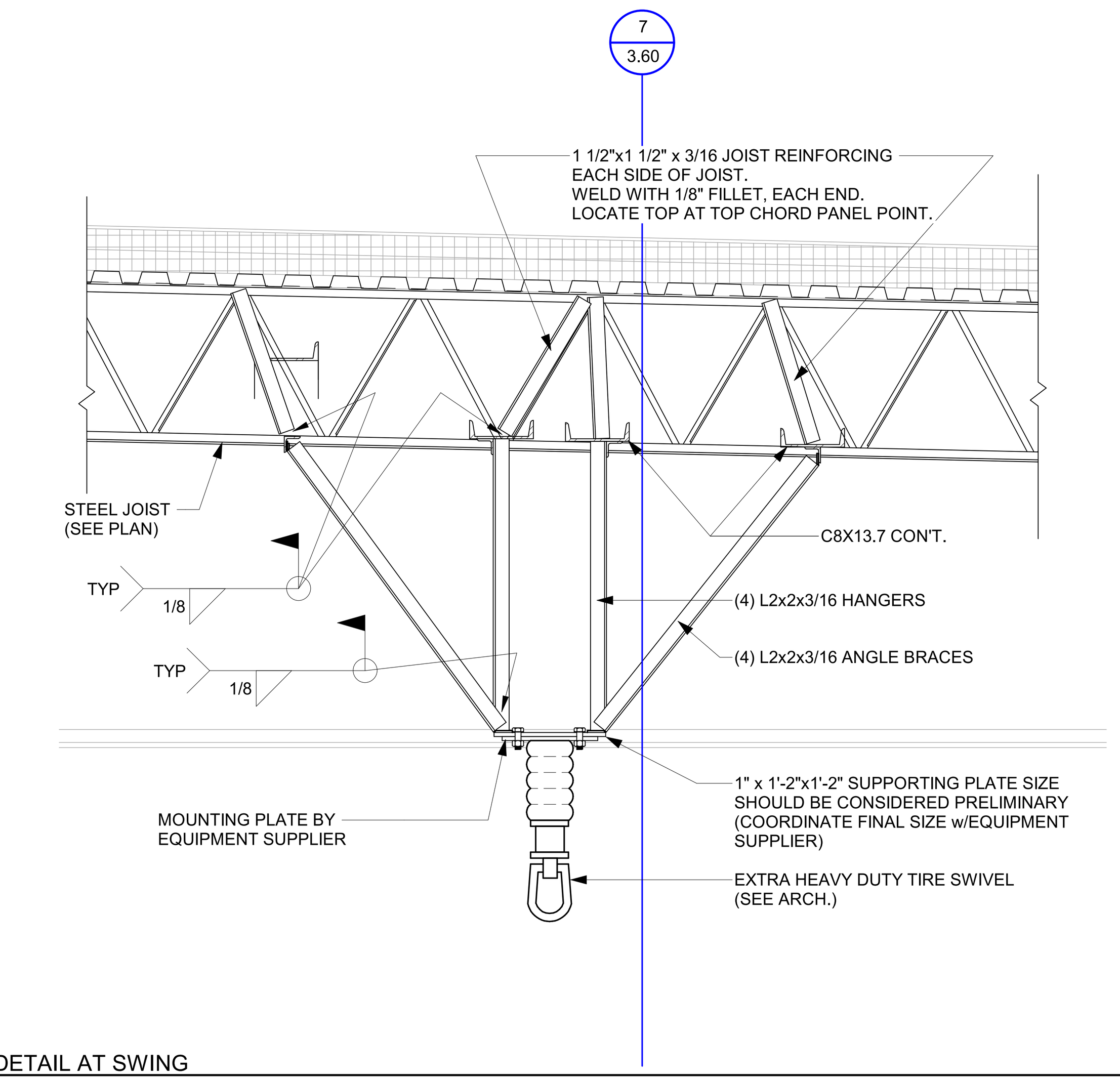
NOTES:
1. GREATER OF 1.5 x WEB THICKNESS OR 1 1/2"
2. GREATER OF 1.0 x WEB THICKNESS OR 1", NEED NOT EXCEED 2"
3. MIN RADIUS = 3/8"
4. BACKING MAY REMAIN IN PLACE UNO.



6 / 3.60 TYP WIDE FLANGE CJP WELD ACCESS AND BACKING
NTS



7 / 3.60 FRAMING DETAIL AT SWING
NTS



8 / 3.60 FRAMING DETAIL AT SWING
NTS

8/1/2024 11:03:54 AM

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STRUCTURAL ENGINEERING ASSOCIATES

project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
STRUCTURAL DETAILS

number SEA Job. No. AI 230600
date 07/01/2024
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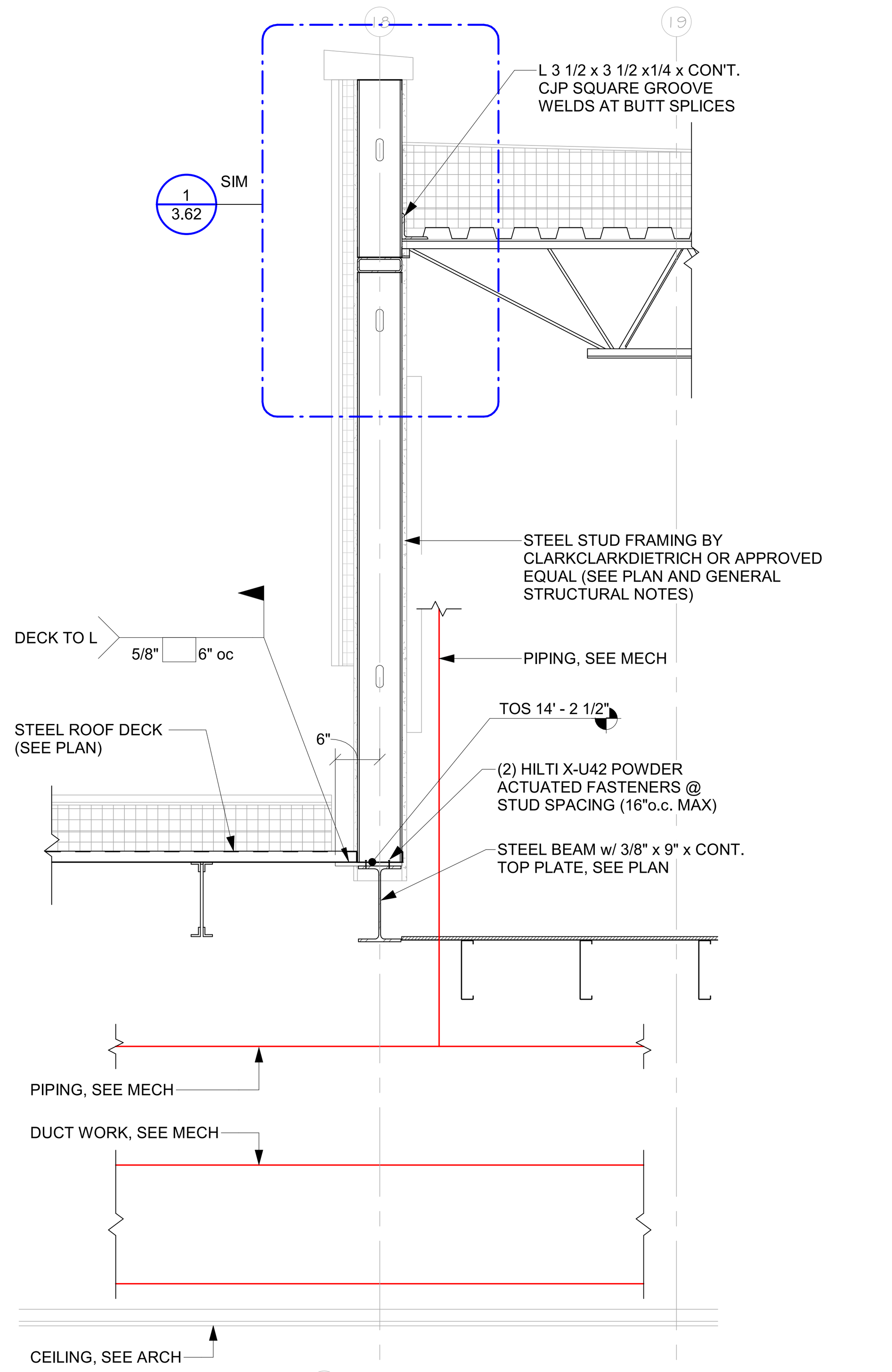
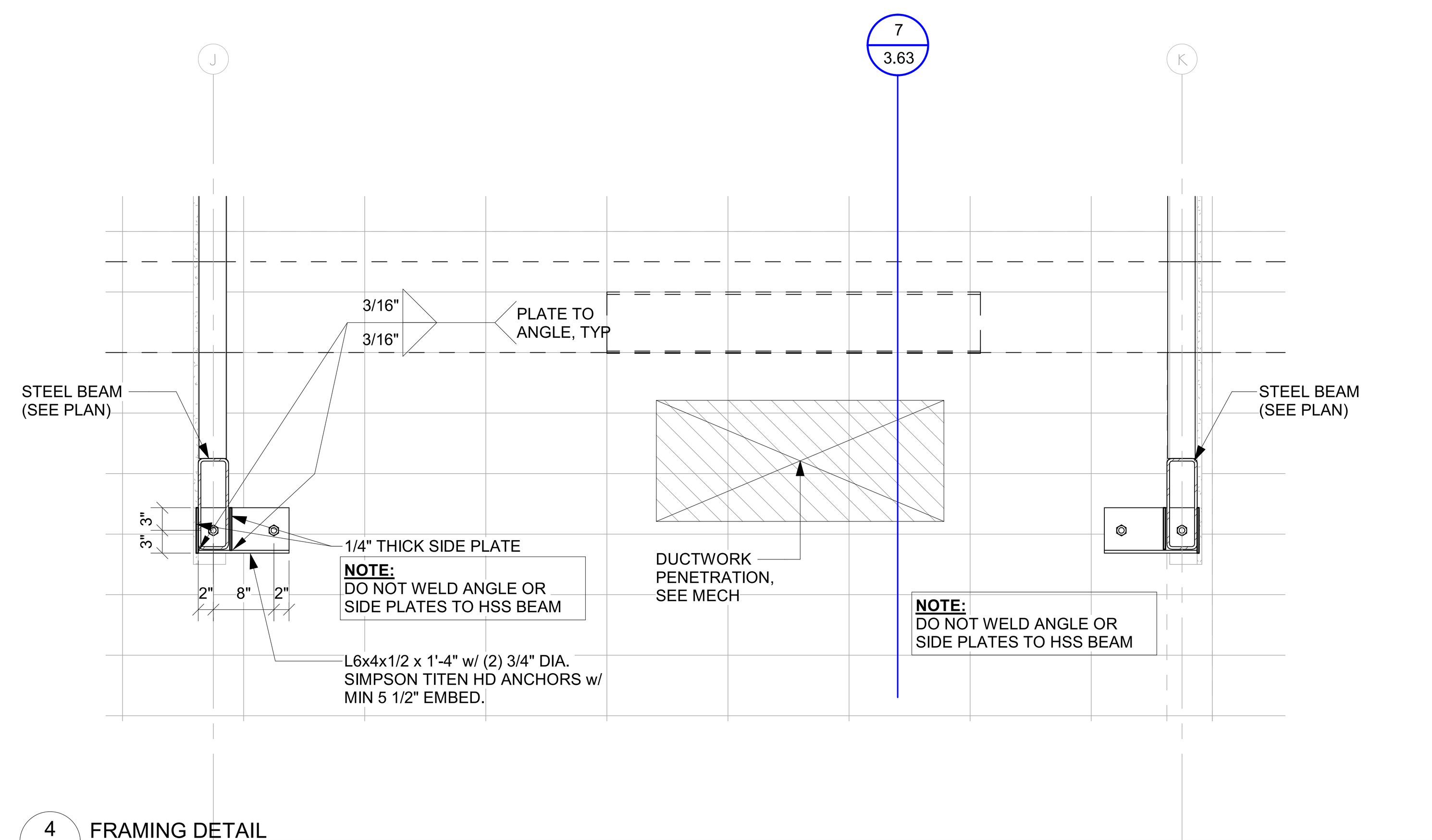
drawn RDM checked MAS

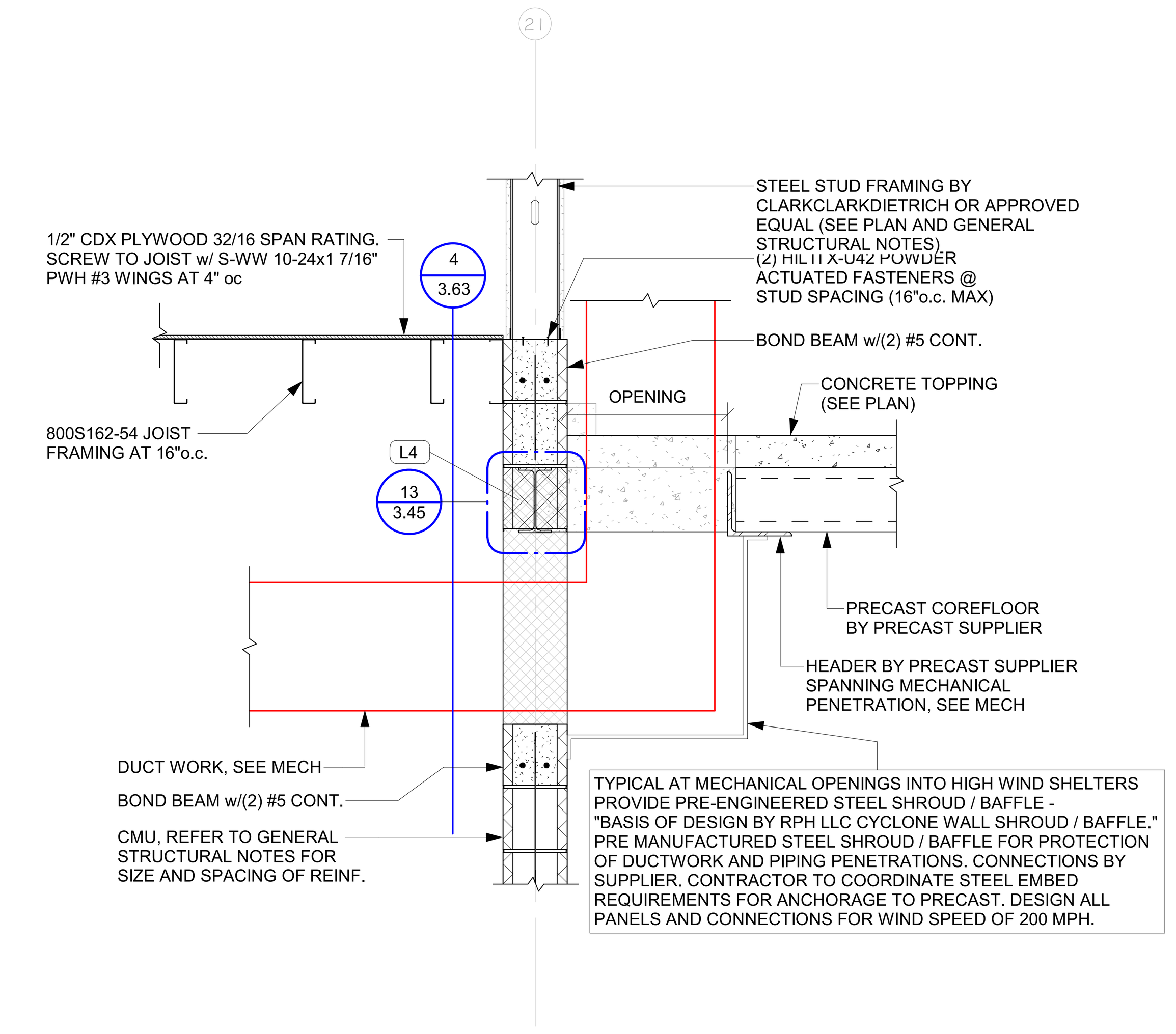
MARK	DATE	DESCRIPTION
AD 3	8/01/2024	ADDENDA 3



1 FRAMING DETAIL
3.63 NTS



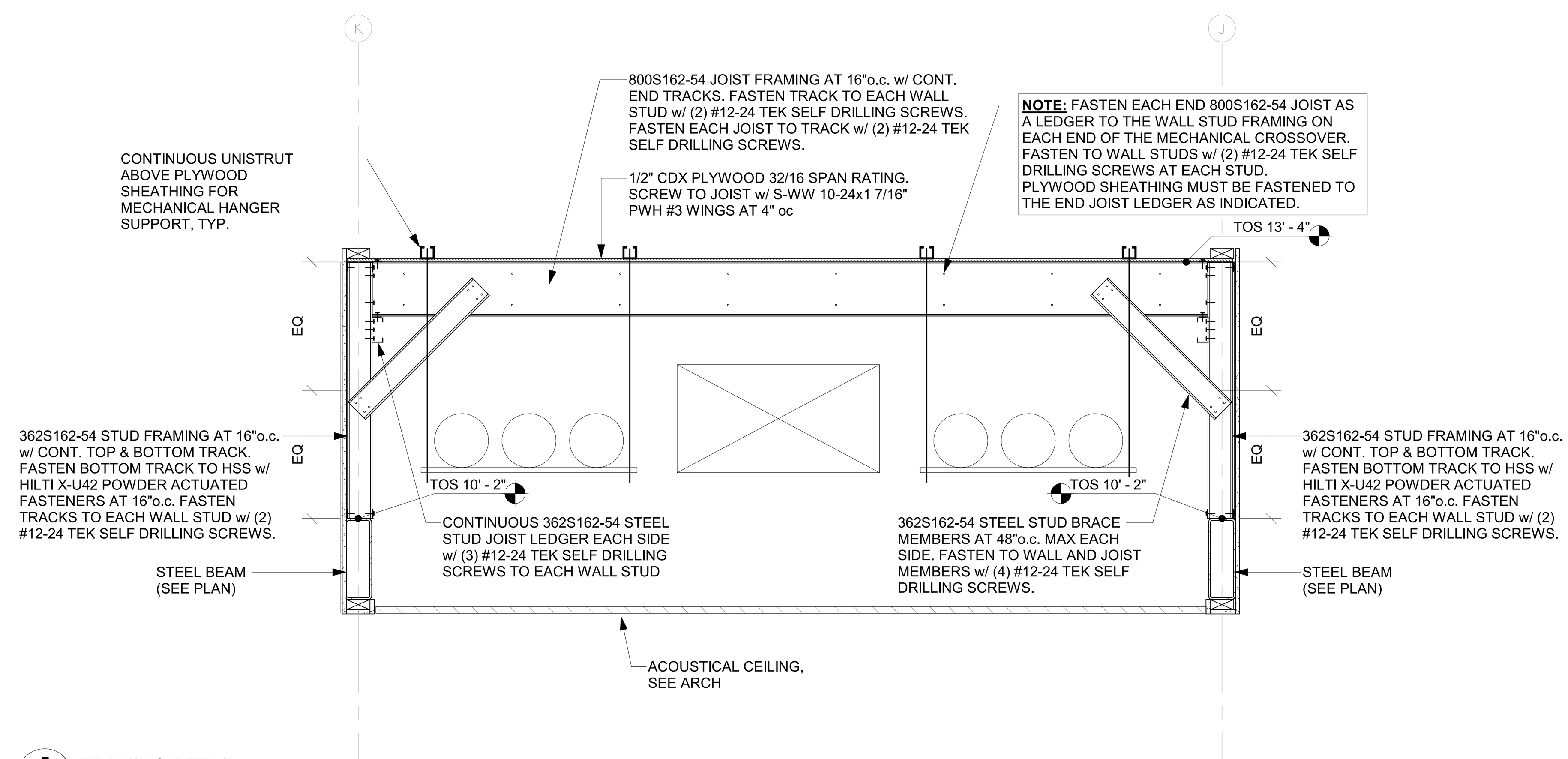
4 FRAMING DETAIL
3.63 NTS



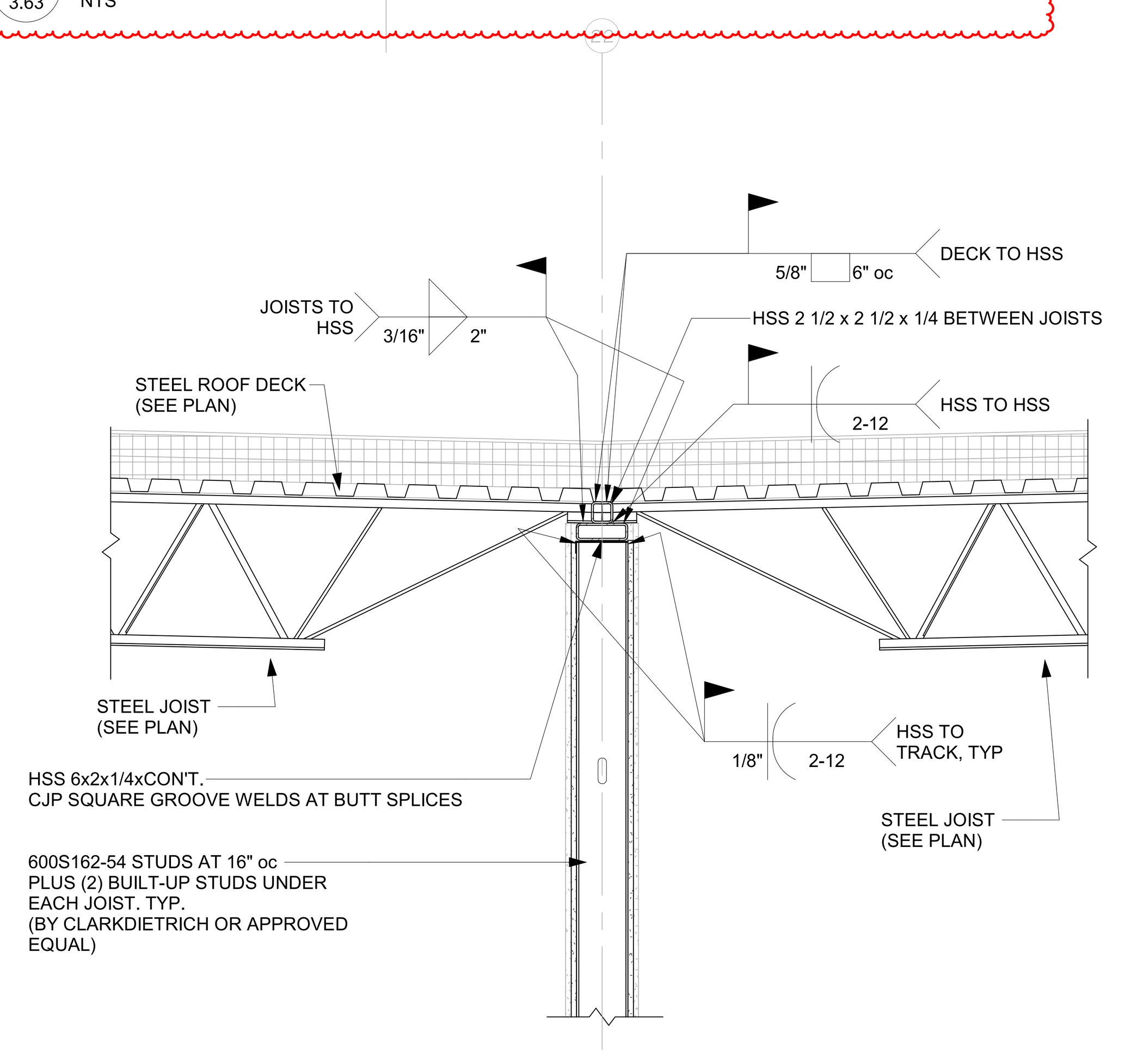
7 FRAMING DETAIL
3.63 NTS

AD 3

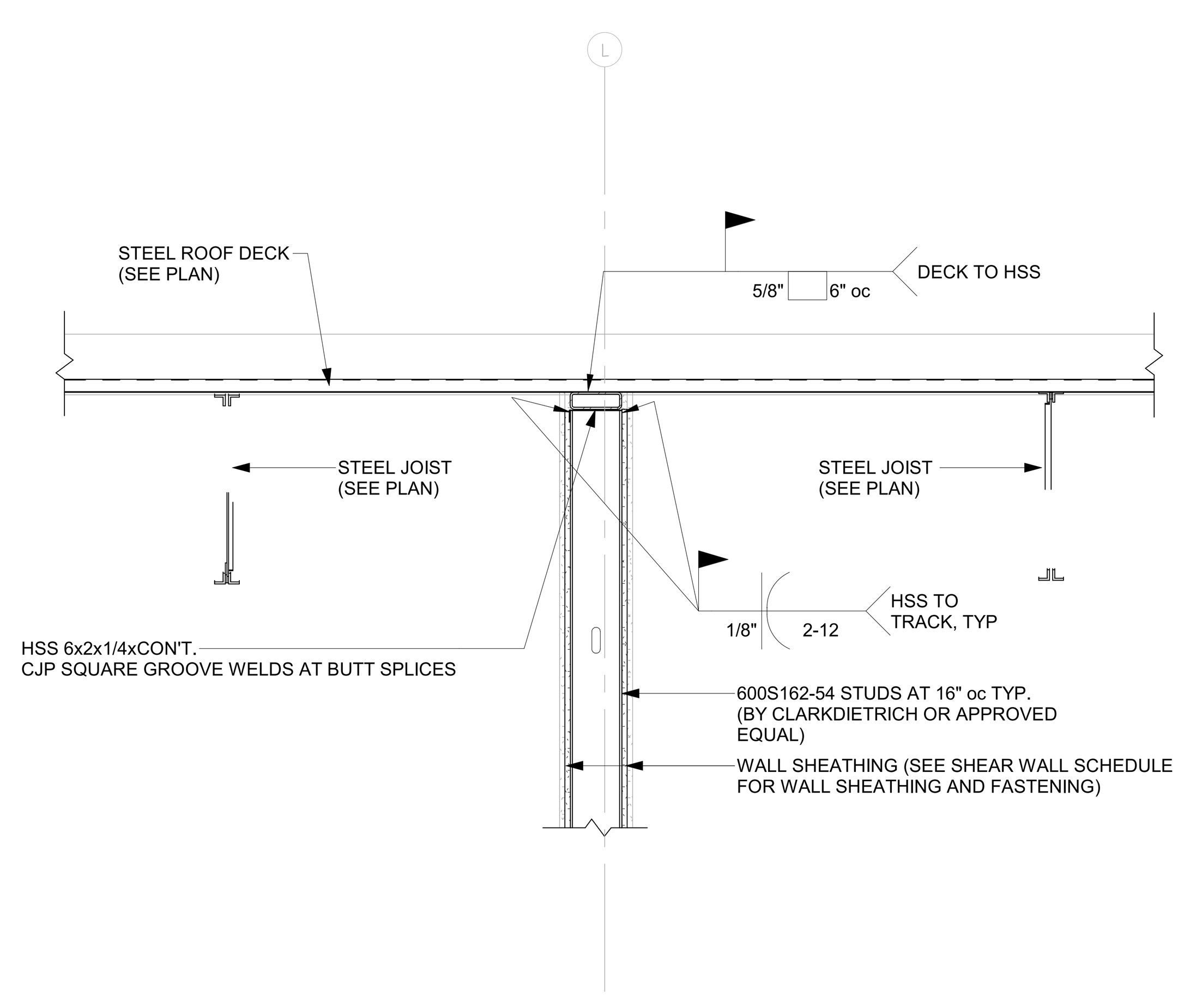
2 NOT USED
3.63 NTS



5 FRAMING DETAIL
3.63 NTS



3 FRAMING DETAIL
3.63 NTS



6 FRAMING DETAIL
3.63 NTS

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STRUCTURAL DETAILS

number SEA Job. No. AI 230600
date 07/01/2024
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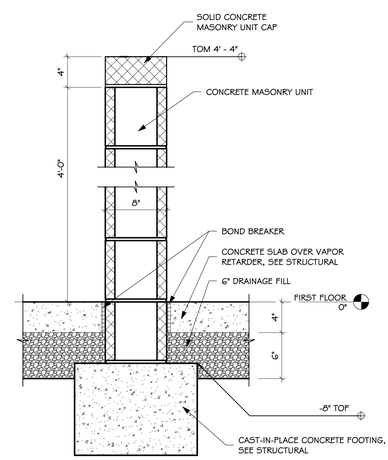
drawn RDM checked MAS

MARK	DATE	DESCRIPTION
AD 3	8/01/2024	ADDENDA 3

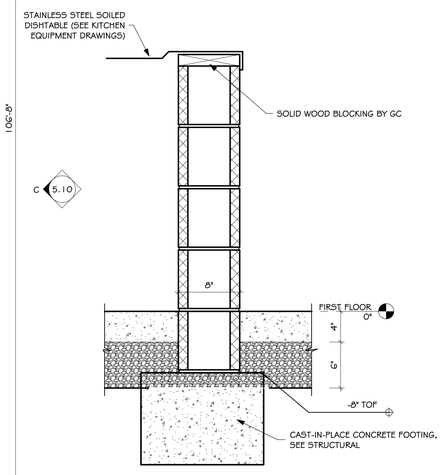
3.63

GENERAL NOTES - FLOOR PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
B. REFER TO SHEET 1.10 FOR WALL TYPES.
C. BURNISHED BLOCK TO HAVE BULLNOSE AT LOCATIONS NOTED.

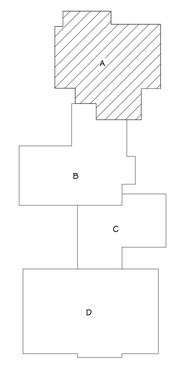


1 / 4.10A KITCHEN PARTIAL HEIGHT WALL
SCALE: 1 1/2" = 1'-0"



2 / 4.10A TRAY RETURN PASS THRU WALL
SCALE: 1 1/2" = 1'-0"

FIRST FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"



KEYPLAN

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7-1-2024
Registered Architect

project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: FLOOR PLAN - AREA A

number 0306.3023.23
date JULY 1, 2024
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4.10A

8/2/2024 11:15:06 AM

GENERAL NOTES - FLOOR PLAN

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AREA A
AREA B
DASHED LINE INDICATES LINE OF CANOPY ABOVE
43'-0"
COMMONS A101
PRINCIPAL B101
ADMIN B100
MEETING B102
OFFICE B103
OFFICE B109
FILES B104
STAFF B105
CONF. ROOM B108
TOILET B110
NURSE B111
WOMENS B113
MENS B115
JAN B114
TOILET B116
STORAGE B117
ART STORAGE B118
ART B119
MEDIA B120
CORRIDOR B112
EARLYCHILD B133
EARLYCHILD B131
EARLYCHILD B129
STORAGE B133A
TOILET B130
TOILET B134
TOILET B132
LAUNDRY SINK
MEN B106
WOMEN B107
SPEECH RM B123
GUIDANCE B122
10 CUBBIES
CONCRETE STOOP
VEST. B135
WALL MOUNTED CABINET UNIT HEATER BY MECHANICAL, COLOR SELECTED BY ARCHITECT
IN-FLOOR HEAT, 2" RIGID INSULATION UNDER FLOOR SLAB
POD COMMONS B126
OFFICE B127
SPEECH RM B126
SERVER B124
STOR. B126A
CORRIDOR B128A
STAIR B125
CONF B136
STORAGE B136A
TOILET B135
TOILET B140
TOILET B142
TOILET B144
SENSORY B143
WORK RM B121
EARLYCHILD B137
EARLYCHILD B139
EARLYCHILD B141
OUTSIDE STORAGE B136B
RESOURCE B145
RESOURCE C120
KINDERGARTEN C102
KINDERGARTEN C104
KINDERGARTEN C106
AREA B
AREA C
CONCRETE STOOP
ADDENDUM #3

FIRST FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

KEYPLAN

project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: FLOOR PLAN - AREA B

number 0306.3023.23
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DATE	DESCRIPTION
8-2-2024	ADDENDUM #3

4.10B

8/2/2024 11:15:14 AM

GENERAL NOTES - FLOOR PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
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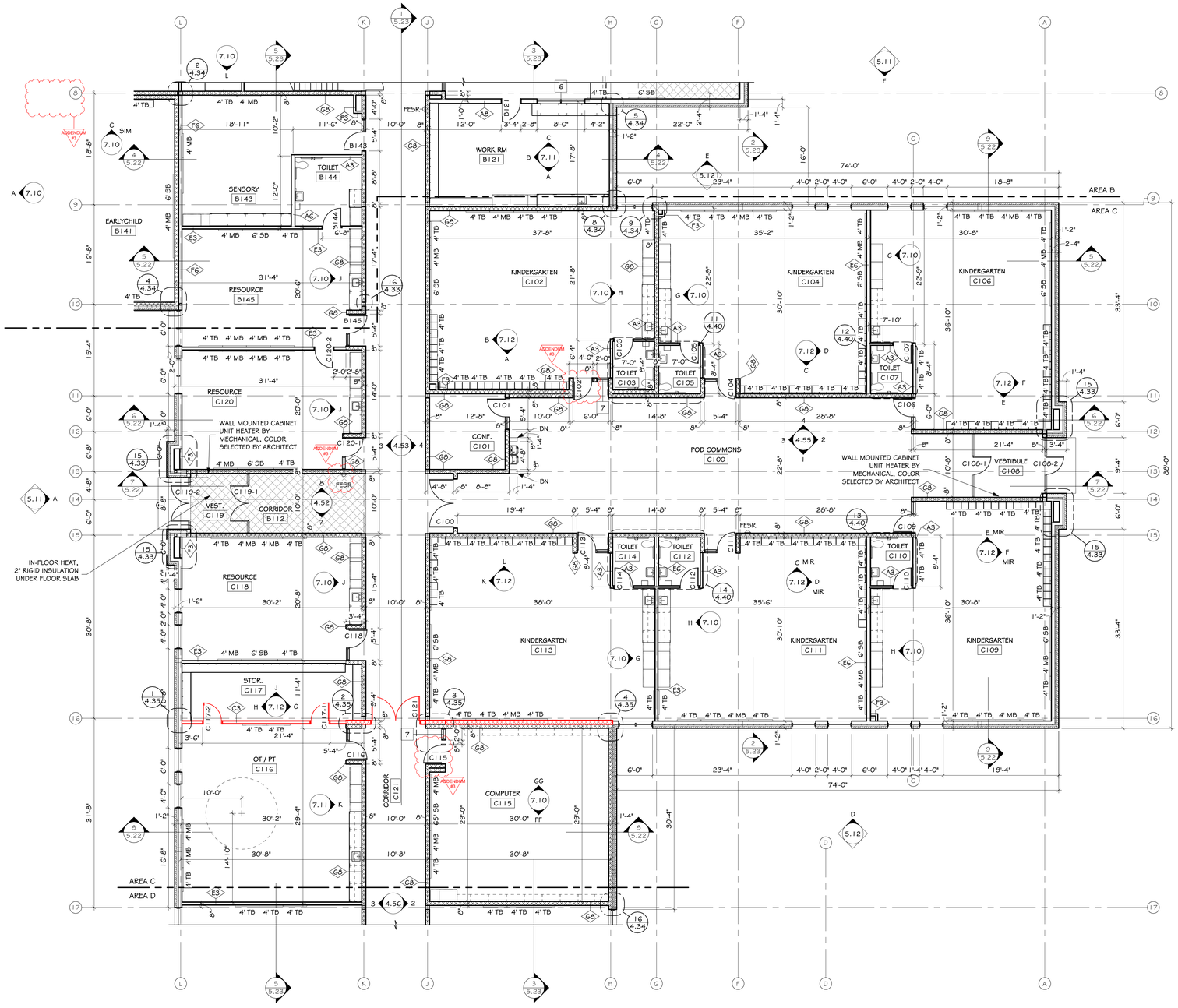
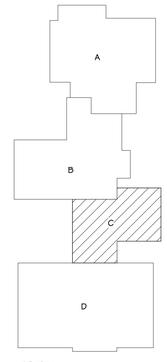


FIRST FLOOR PLAN - AREA C

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

N



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sheet contents: FLOOR PLAN - AREA C

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DATE	DESCRIPTION
8-2-2024	ADDENDUM #3

4.10C

8/2/2024 11:15:21 AM

GENERAL NOTES - FLOOR PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
B. REFER TO SHEET 1.10 FOR WALL TYPES.
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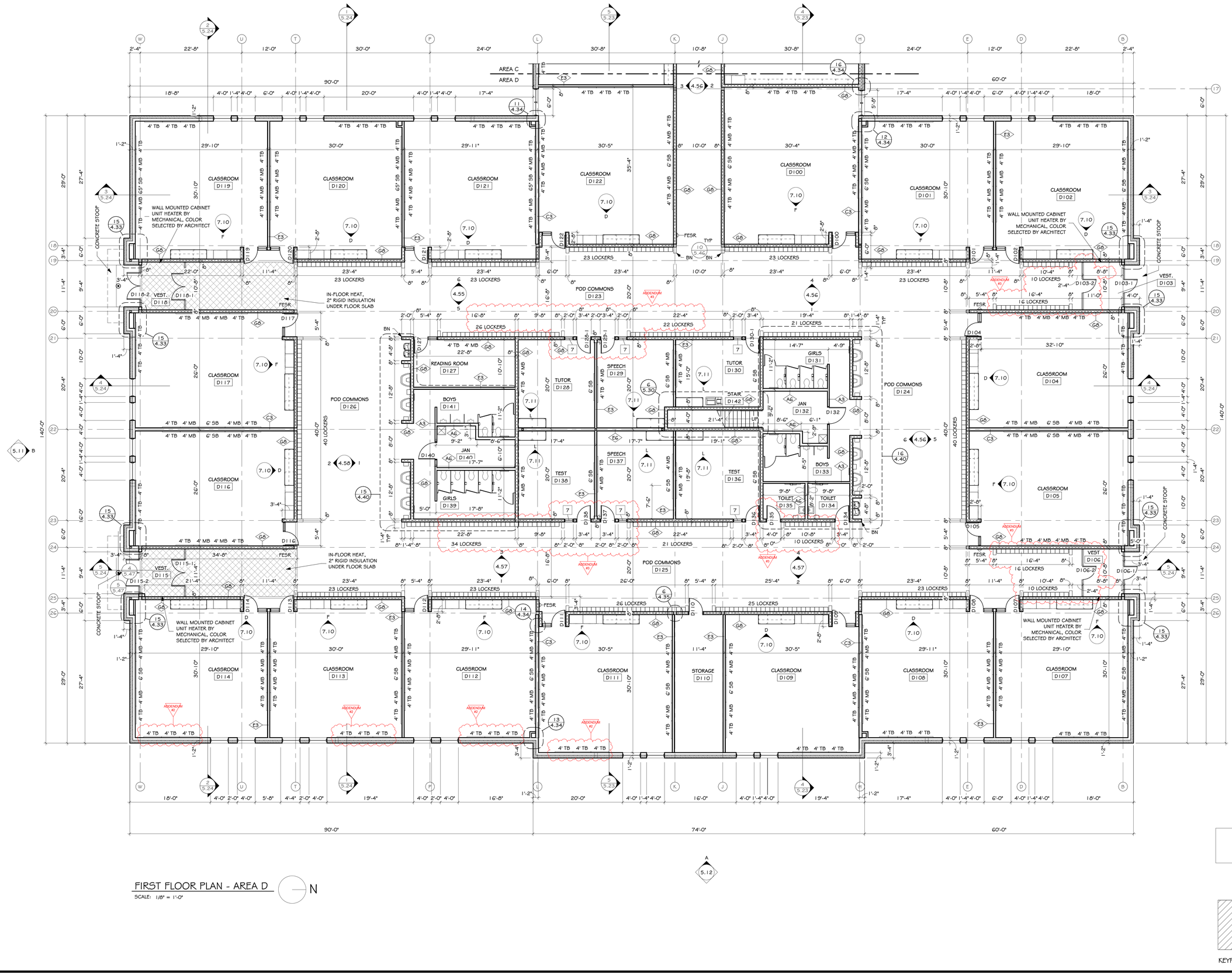
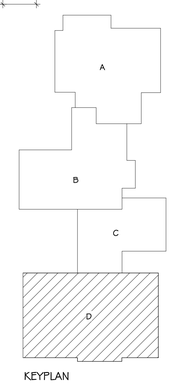


FIRST FLOOR PLAN - AREA D

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

N



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sheet contents: FLOOR PLAN - AREA D

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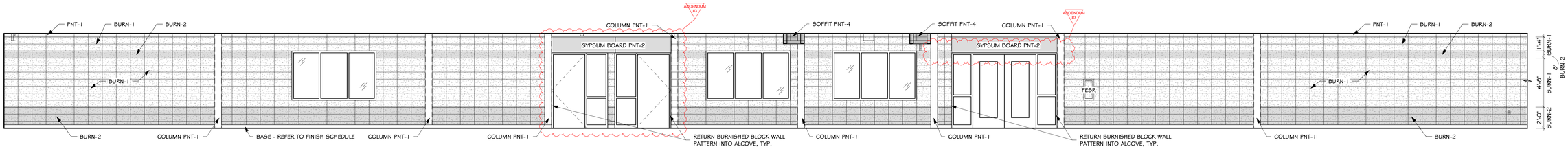
DATE	DESCRIPTION
7-26-2024	ADDENDUM #2
8-2-2024	ADDENDUM #3

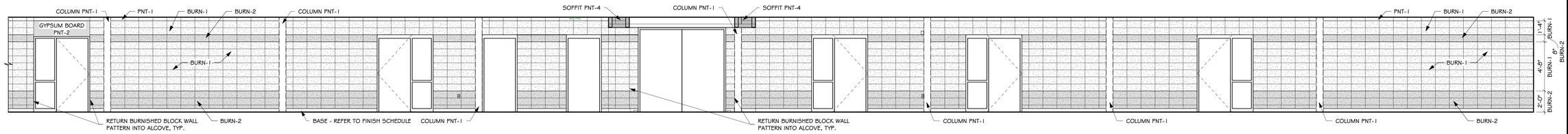
4.10D

8/2/2024 11:15:29 AM



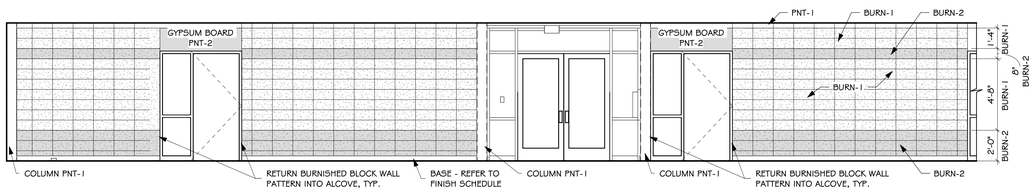
1 / 4.53 B112 CORRIDOR - NORTH a

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



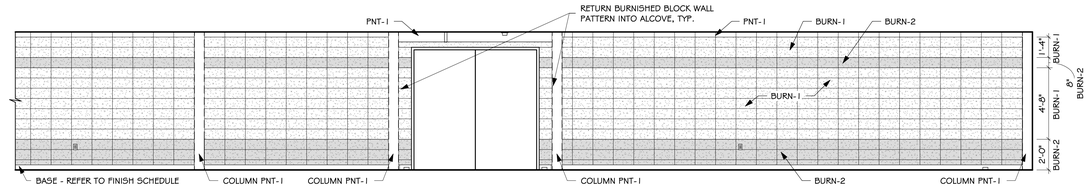
2 / 4.53 B112 CORRIDOR - SOUTH a

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



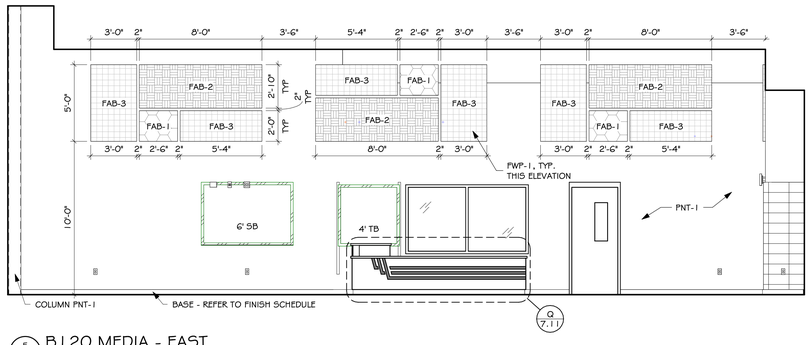
3 / 4.53 B112 CORRIDOR - SOUTH b

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



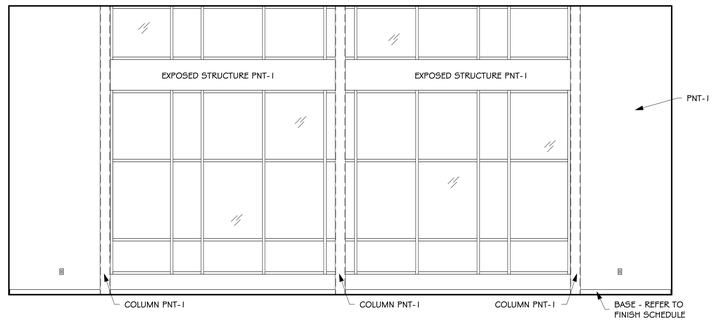
4 / 4.53 B112 CORRIDOR - NORTH b

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



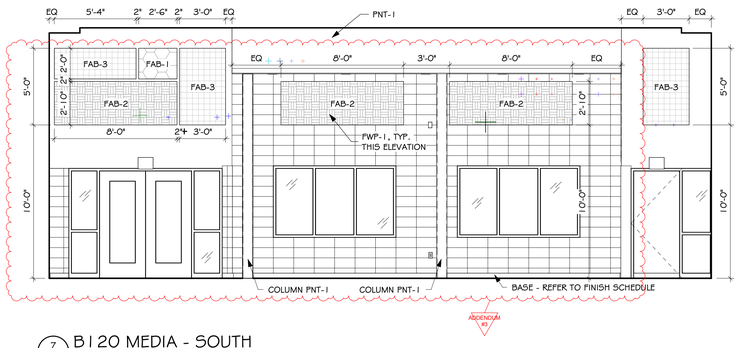
5 / 4.53 B120 MEDIA - EAST

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



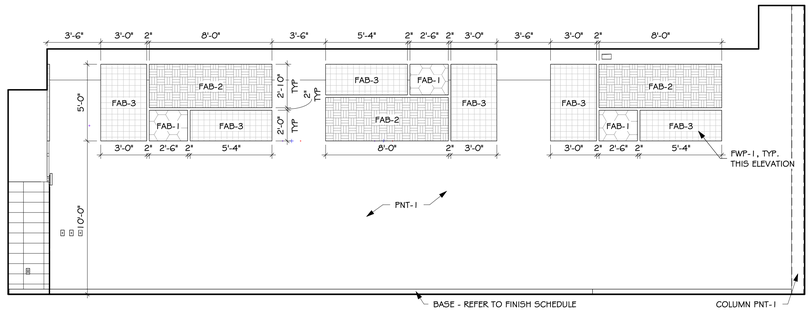
6 / 4.53 B120 MEDIA - NORTH

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



7 / 4.53 B120 MEDIA - SOUTH

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



8 / 4.53 B120 MEDIA - WEST

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

8/2/2024 11:20:19 AM

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BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
INTERIOR ELEVATIONS

number 0306.3023.23
date JULY 1, 2024
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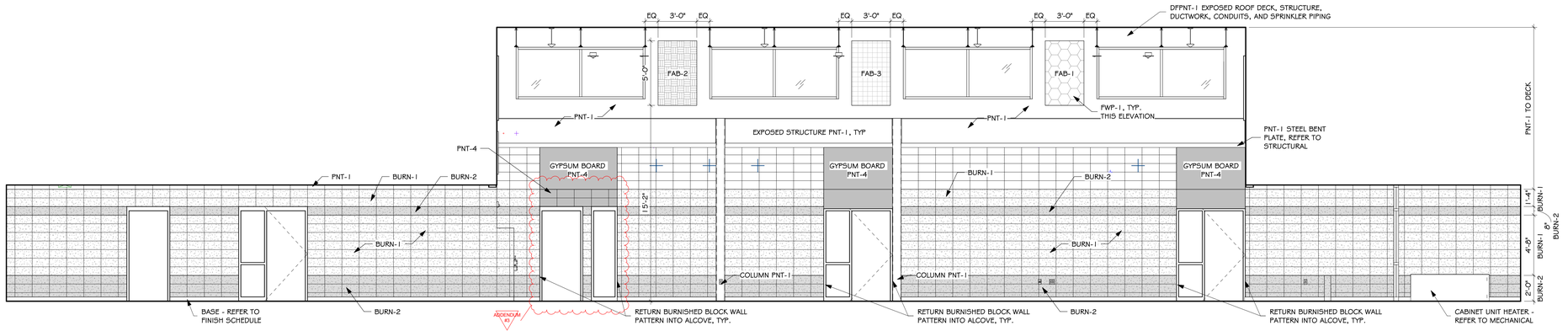
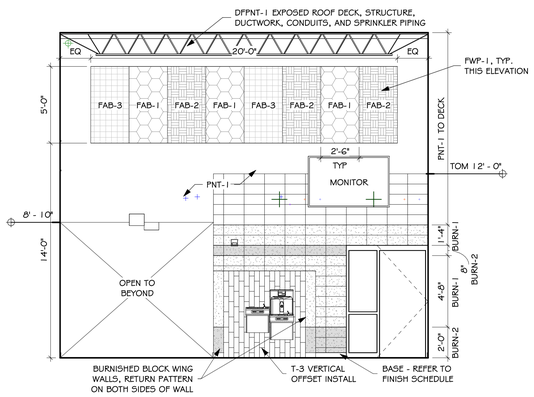


4.54 B128 POD COMMONS - EAST
SCALE: 1/4" = 1'-0"



4.54 B128 POD COMMONS - NORTH
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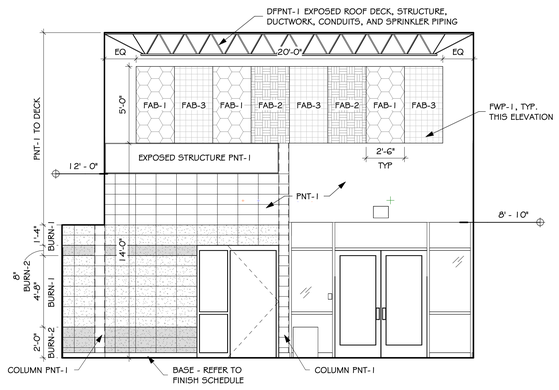

4.54 B128 POD COMMONS - SOUTH
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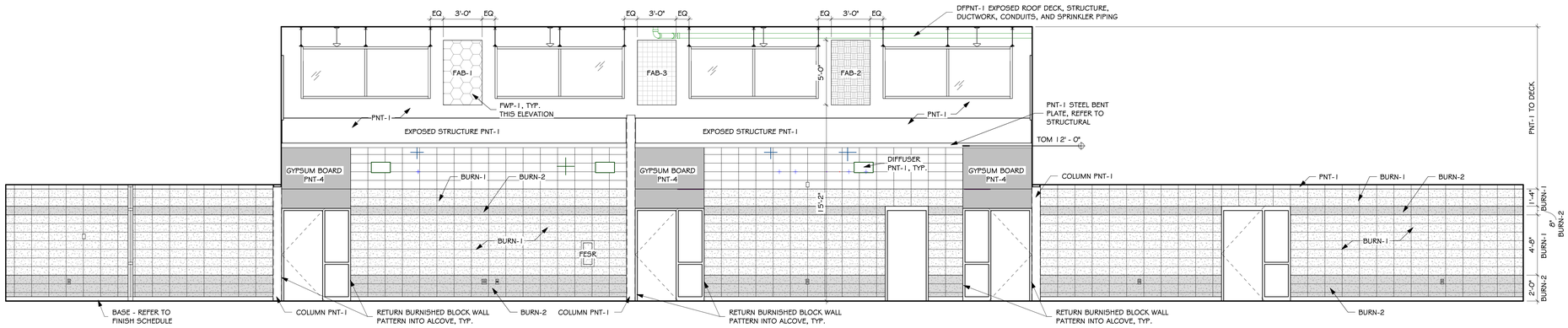

4.54 B128 POD COMMONS - WEST
SCALE: 1/4" = 1'-0"

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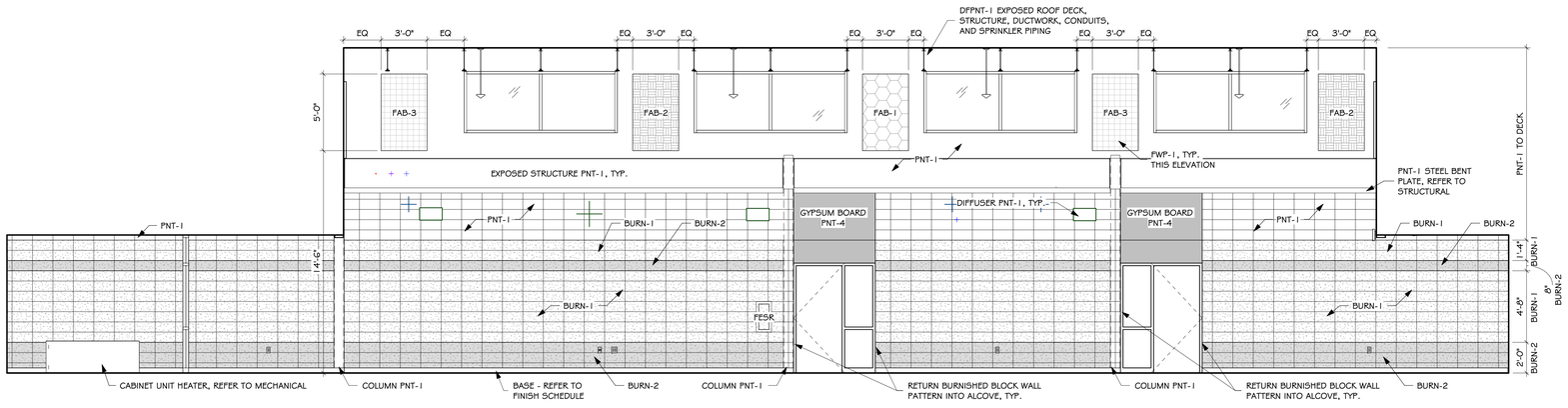
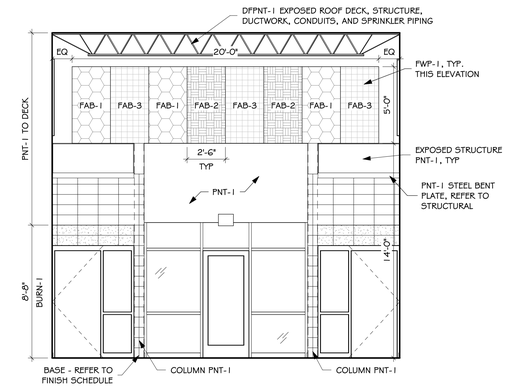
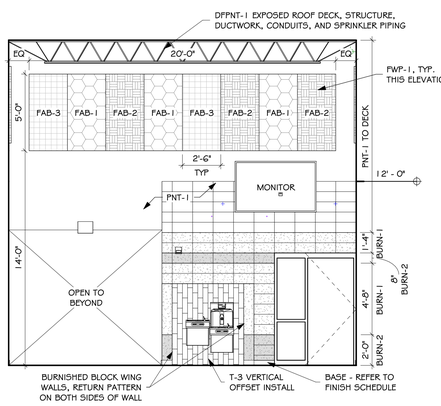


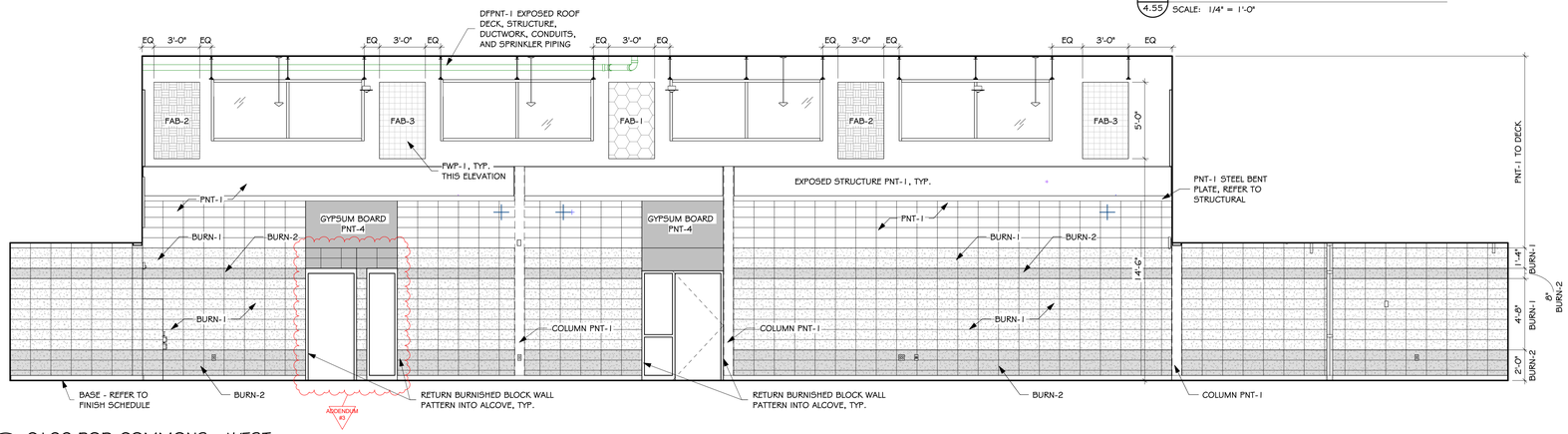
1 / 4.55 C100 POD COMMONS - EAST
SCALE: 1/4" = 1'-0"



2 / 4.55 C100 POD COMMONS - NORTH
SCALE: 1/4" = 1'-0"



3 / 4.55 C100 POD COMMONS - SOUTH
SCALE: 1/4" = 1'-0"



4 / 4.55 C100 POD COMMONS - WEST
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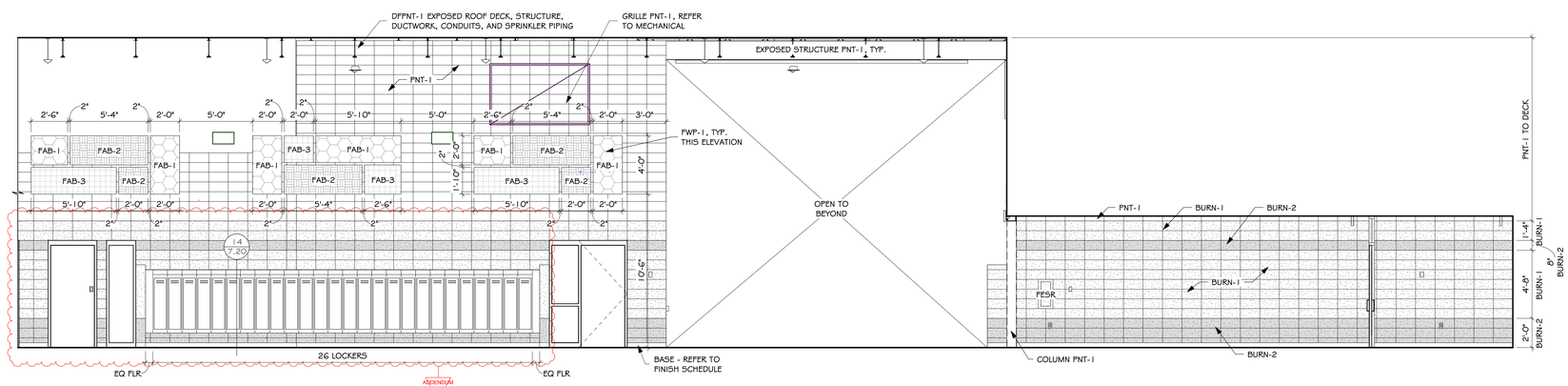
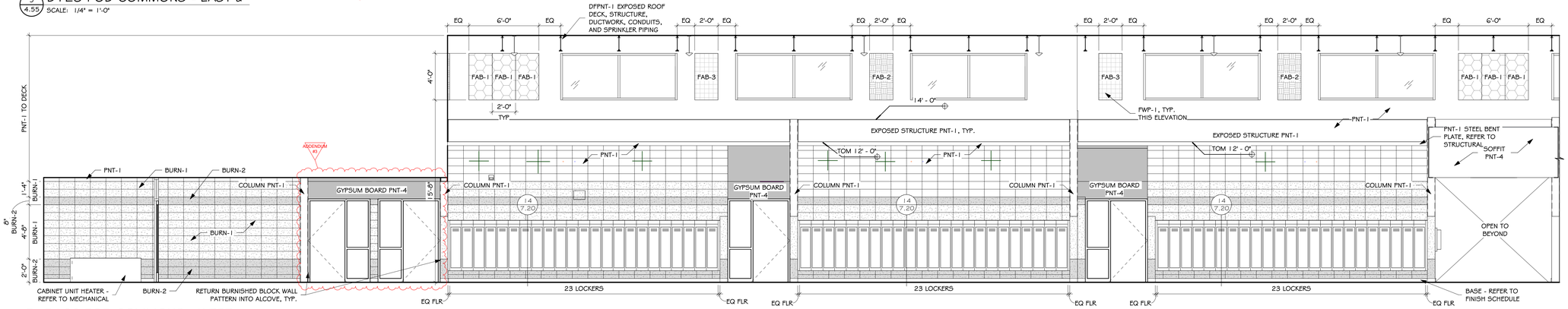


5 / 4.55 D123 POD COMMONS - EAST a
SCALE: 1/4" = 1'-0"



6 / 4.55 D123 POD COMMONS - WEST a
SCALE: 1/4" = 1'-0"

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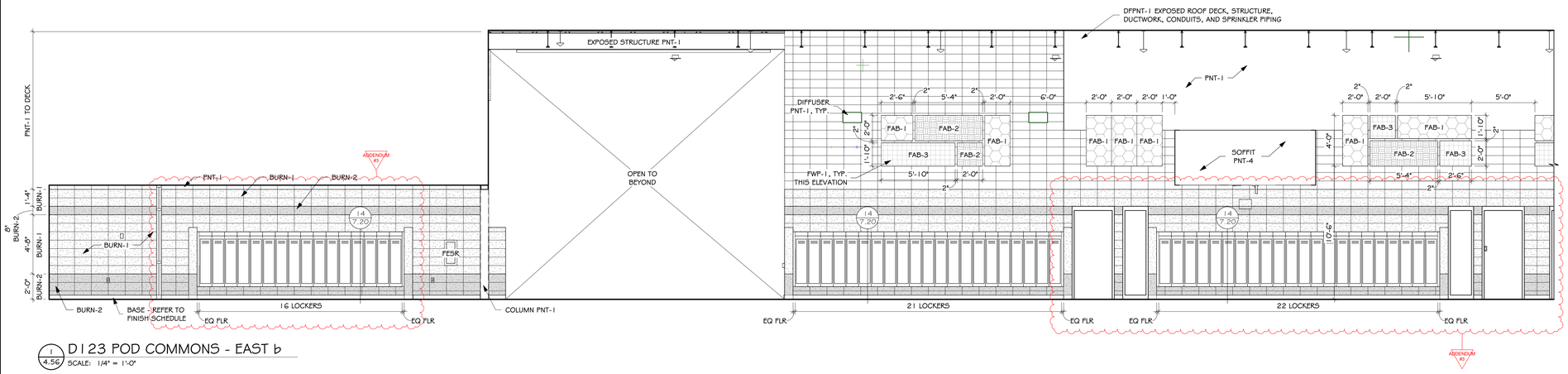

1 / 4.56 D123 POD COMMONS - EAST b
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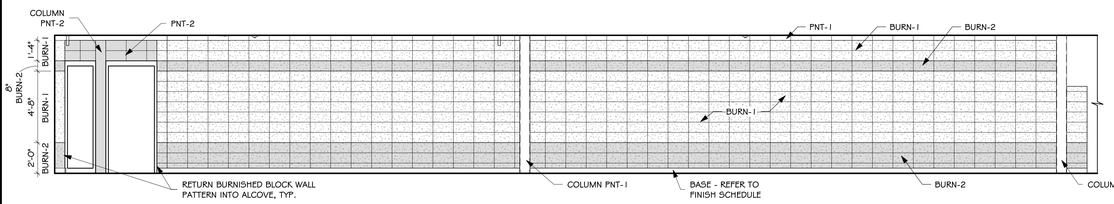
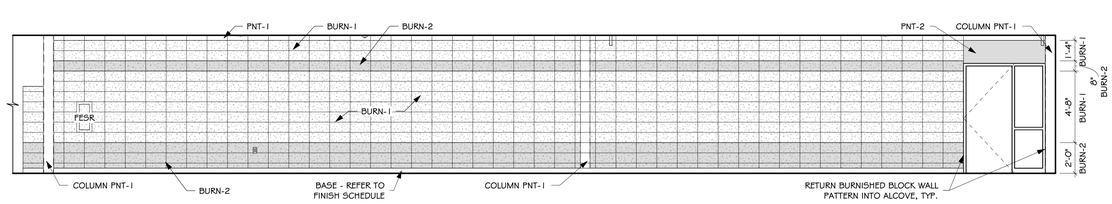
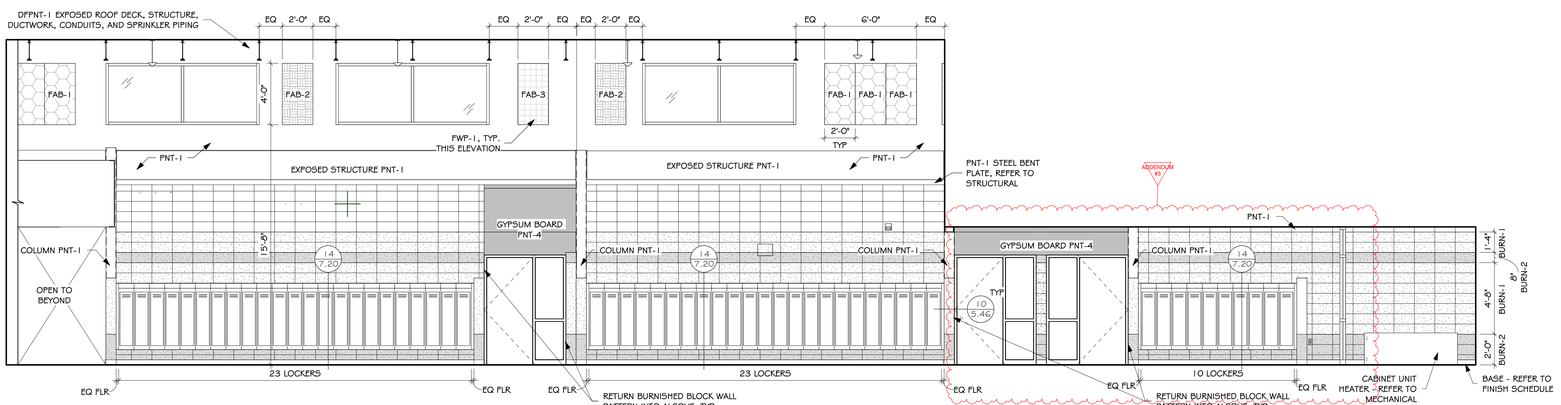




2 / 4.56 C121 CORRIDOR - NORTH
SCALE: 1/4" = 1'-0"

3 / 4.56 C121 CORRIDOR - SOUTH
SCALE: 1/4" = 1'-0"



4 / 4.56 D123 POD COMMONS - WEST b
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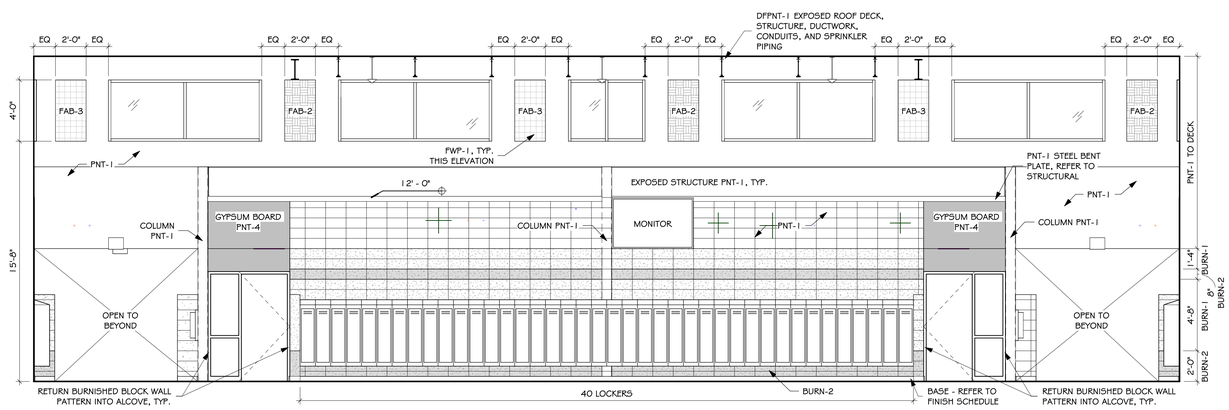

5 / 4.56 D124 POD COMMONS - NORTH
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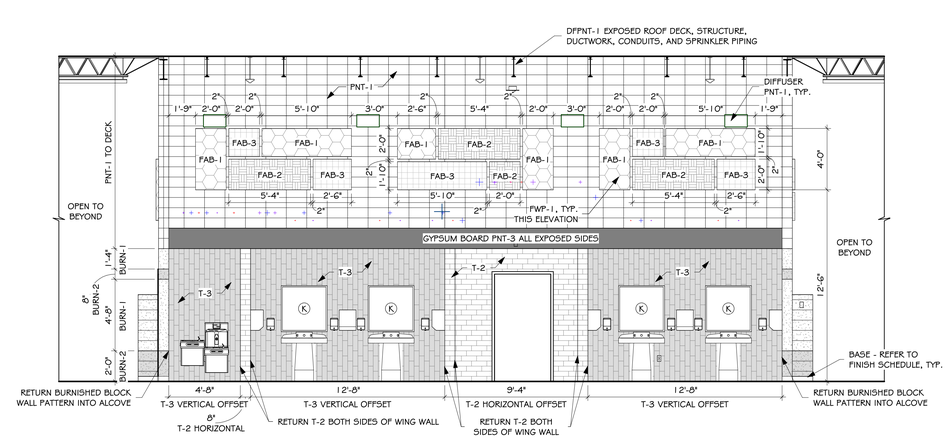

6 / 4.56 D124 POD COMMONS - SOUTH
SCALE: 1/4" = 1'-0"

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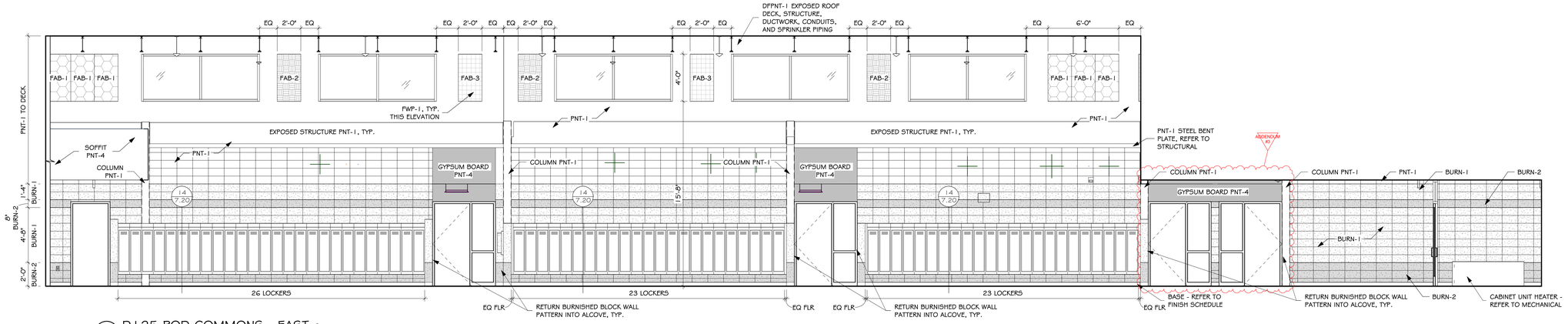
REG. NO. 3734
STEVEN R. JASTRAM
7-1-2024
Registered Architect

project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: INTERIOR ELEVATIONS

number 0306.3023.23
date JULY 1, 2024
revision
drawn BJO checked SRJ

DATE	DESCRIPTION
8-2-2024	ADDENDUM #3

4.56



1 / 4.57 D125 POD COMMONS - EAST a
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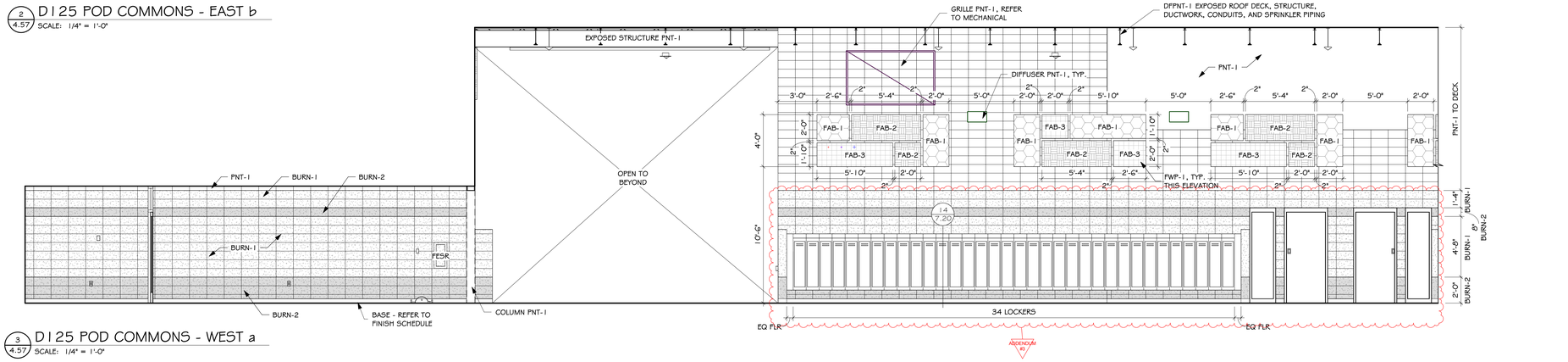
2 / 4.57 D125 POD COMMONS - EAST b
SCALE: 1/4" = 1'-0"



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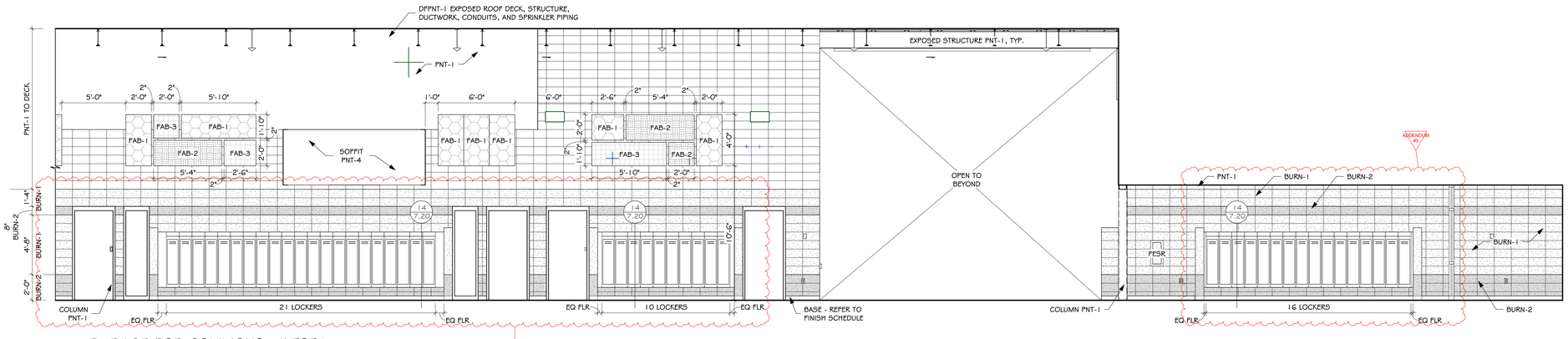

4 / 4.57 D125 POD COMMONS - WEST b
SCALE: 1/4" = 1'-0"

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BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
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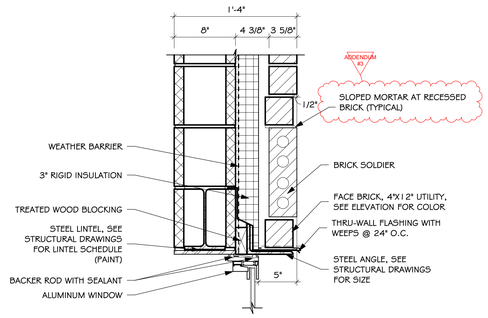
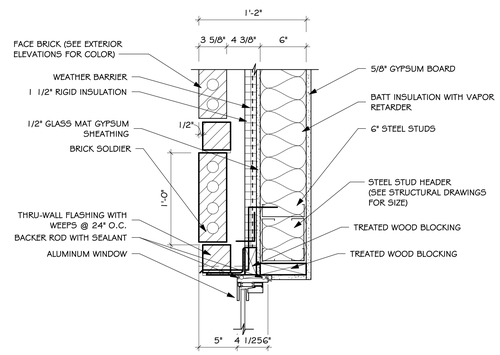
8-2-2024	ADDENDUM #3

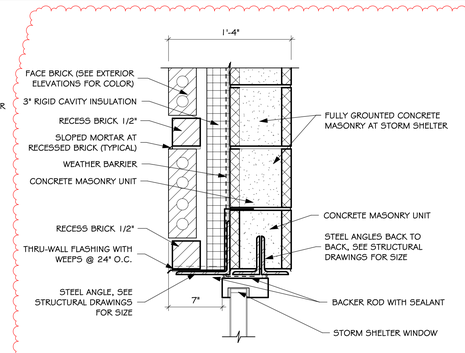
4.57



1 5.14 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"

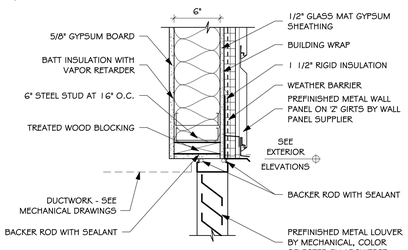


4 5.14 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"

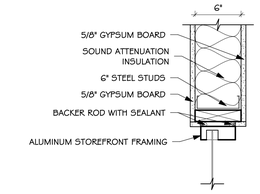


6 5.14 HEAD DETAIL- STORM SHELTER WINDOW
SCALE: 1 1/2" = 1'-0"

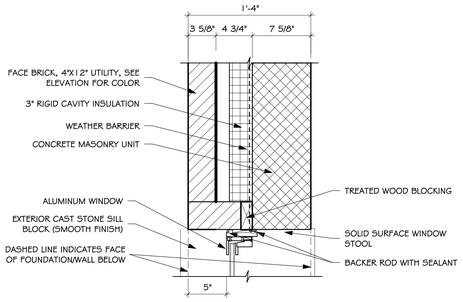
ADDENDUM #3



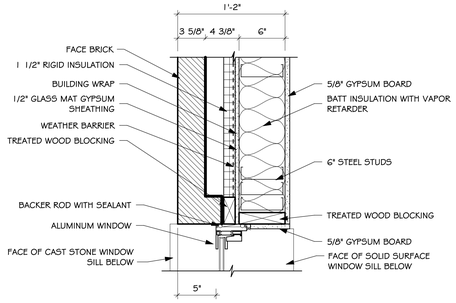
13 5.14 HD - LOUVER
SCALE: 1 1/2" = 1'-0"



17 5.14 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



2 5.14 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



5 5.14 JAMB DETAIL
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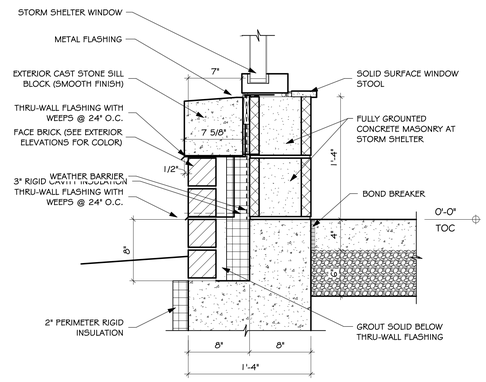
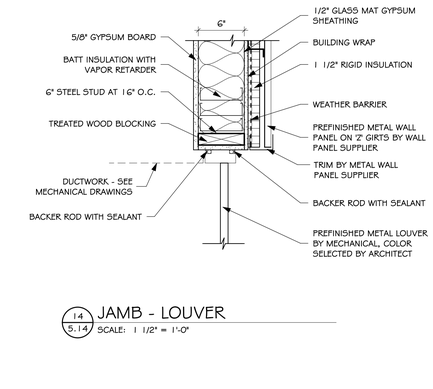


9 5.14 SILL DETAIL - STORM SHELTER WINDOW
SCALE: 1 1/2" = 1'-0"

ADDENDUM #3



14 5.14 JAMB - LOUVER
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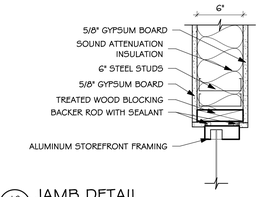
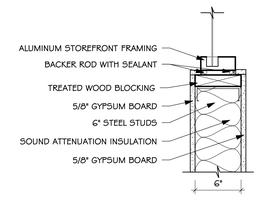
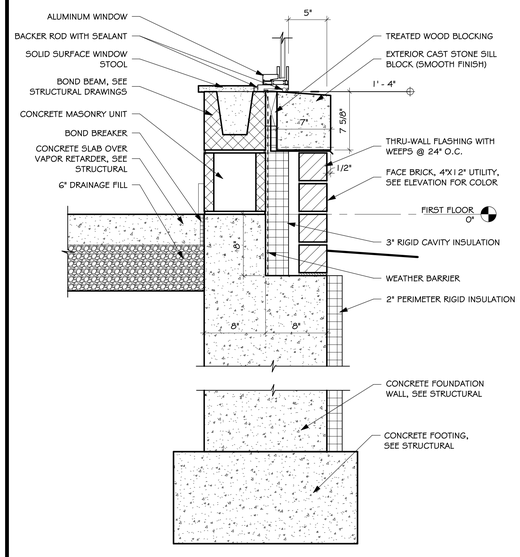


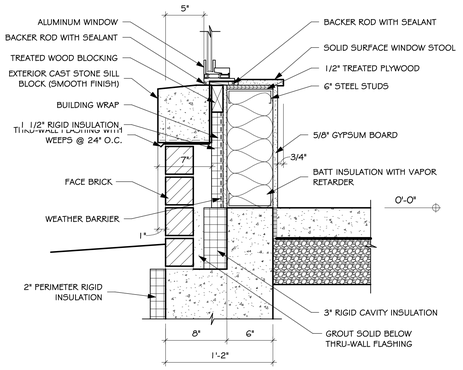
18 5.14 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



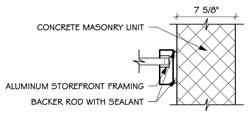
19 5.14 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



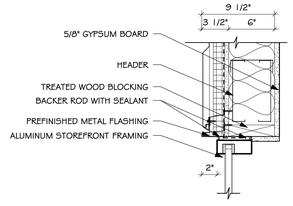
3 5.14 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



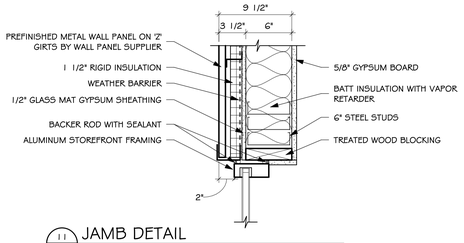
6 5.14 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



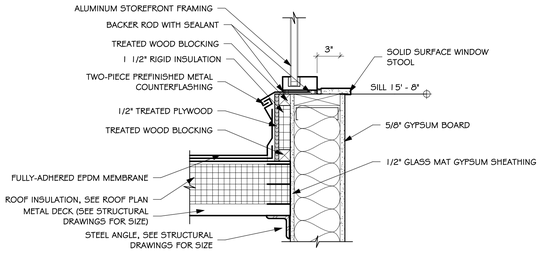
7 5.14 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



10 5.14 ALUM HEAD @ CLERESTORY TYP.
SCALE: 1 1/2" = 1'-0"



11 5.14 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



12 5.14 ALUM SILL @ CLERESTORY TYP.
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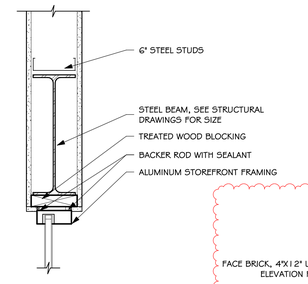
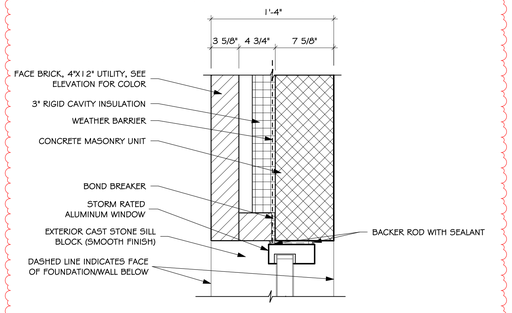


16 5.14 DETAIL
SCALE: 1 1/2" = 1'-0"

ADDENDUM #3



20 5.14 JAMB DETAIL - STORM SHELTER WINDOW
SCALE: 1 1/2" = 1'-0"

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project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
WINDOW AND STOREFRONT DETAILS

number 0306.3023.23
date JULY 1, 2024
revision
drawn MS checked SRJ

DATE	DESCRIPTION
8-2-2024	ADDENDUM #3

5.14

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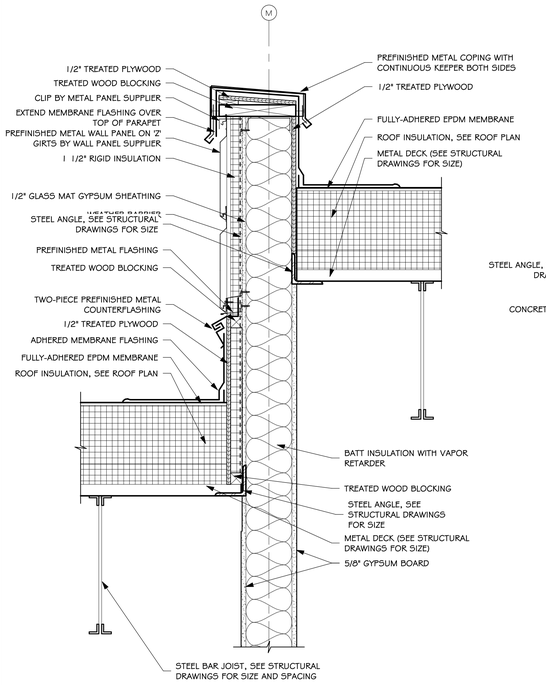
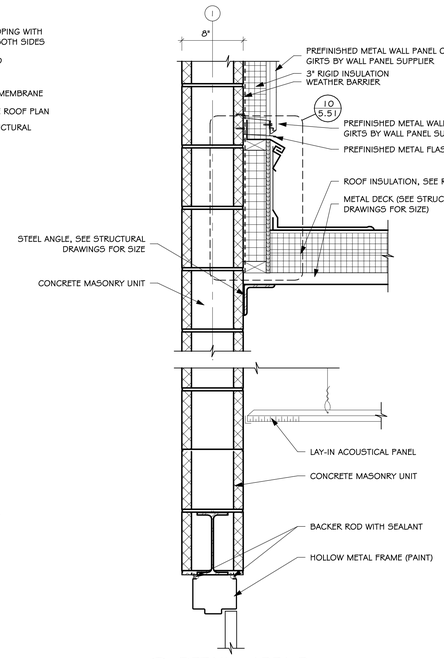


1 / 5.44 DETAIL - AREA B
SCALE: 1 1/2" = 1'-0"



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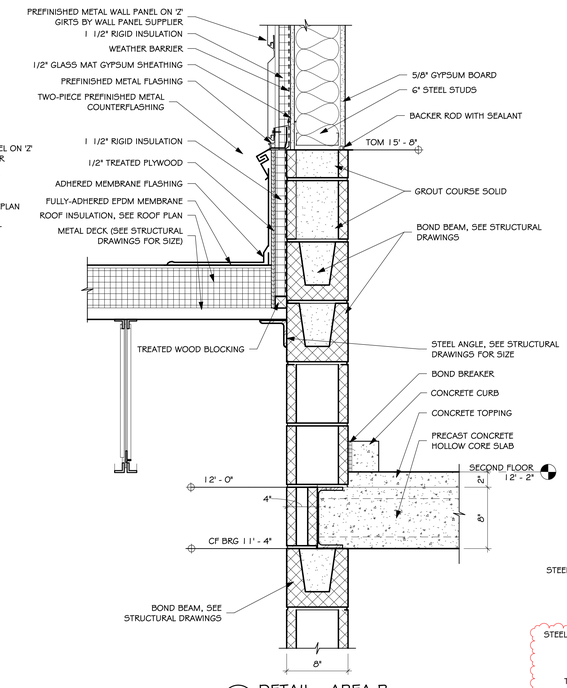

6 / 5.44 DETAIL - AREA B
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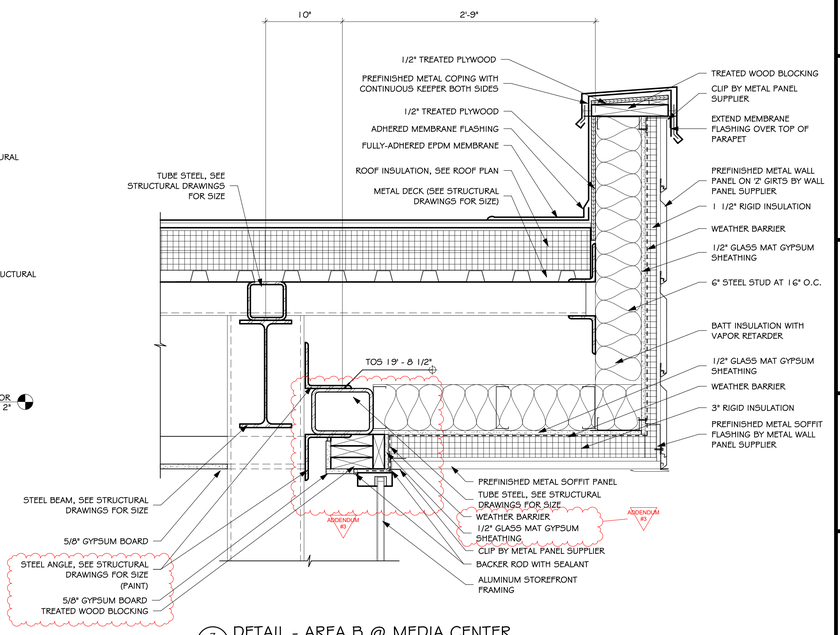
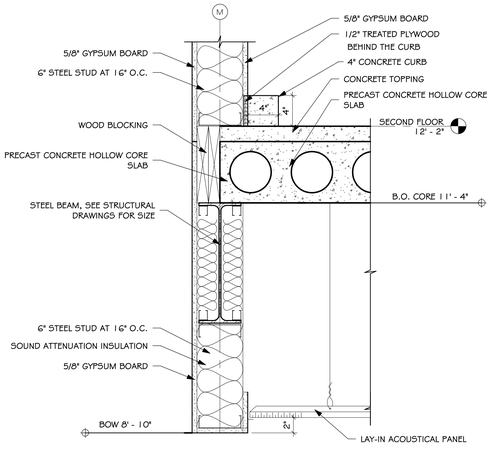


7 / 5.44 DETAIL - AREA B @ MEDIA CENTER
SCALE: 1 1/2" = 1'-0"



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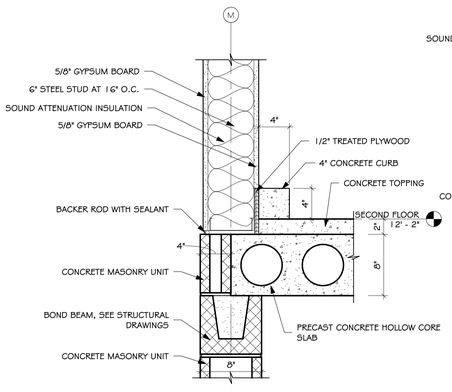

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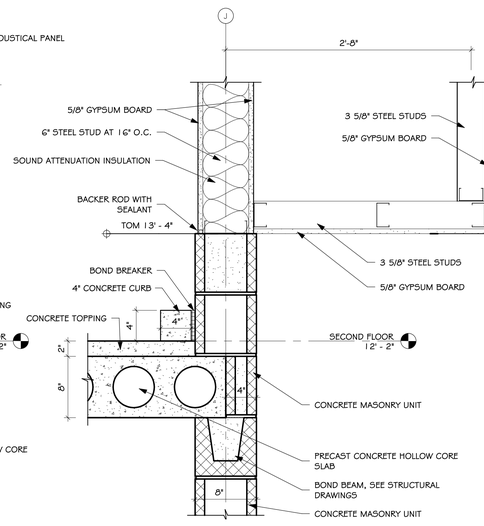
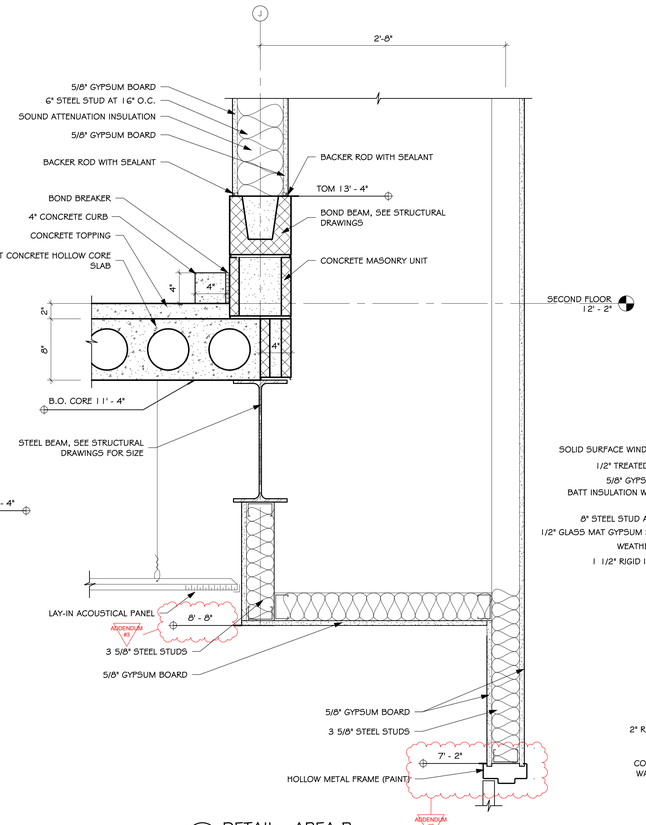


5 / 5.44 DETAIL - AREA B
SCALE: 1 1/2" = 1'-0"



10 / 5.44 DETAIL - AREA B
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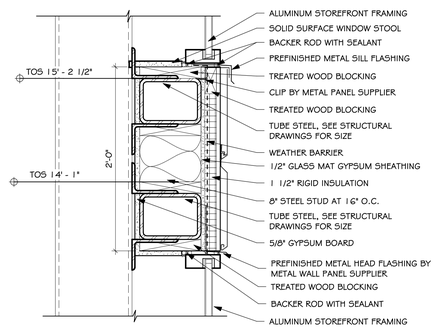
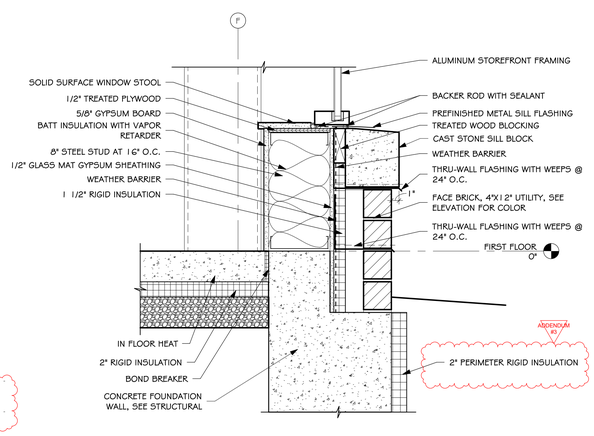


8 / 5.44 DETAIL - AREA B @ MEDIA CENTER
SCALE: 1 1/2" = 1'-0"



9 / 5.44 DETAIL- AREA B @ MEDIA CENTER
SCALE: 1 1/2" = 1'-0"

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project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: SECTION DETAILS

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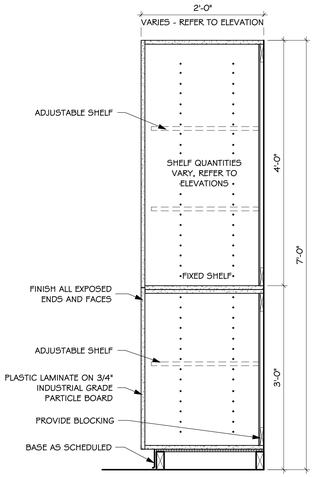

1 7.20 TALL STORAGE - TYPICAL
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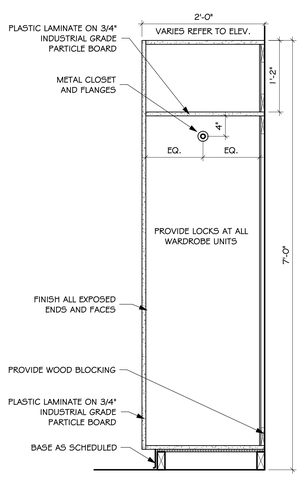

2 7.20 TALL STORAGE - WARDROBE
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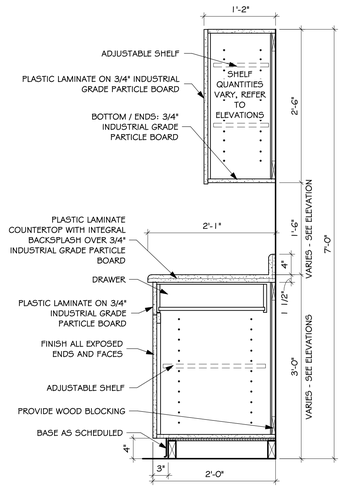
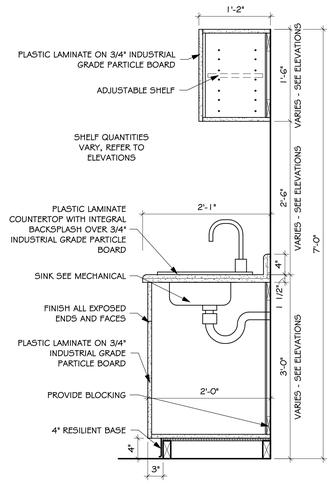
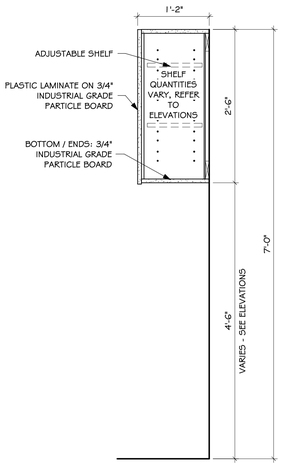


3 7.20 BASE/WALL - TYPICAL
SCALE: 1" = 1'-0"



4 7.20 BASE/WALL - SINK BASE
SCALE: 1" = 1'-0"



5 7.20 UPPER - TYPICAL
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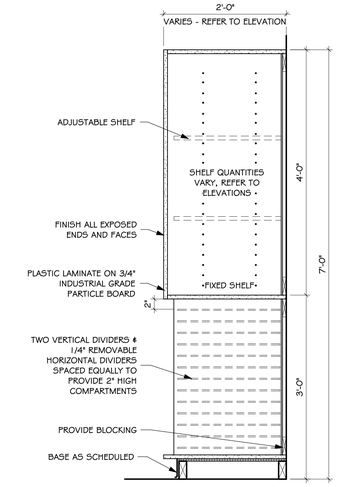

6 7.20 KITCHEN LOCKER
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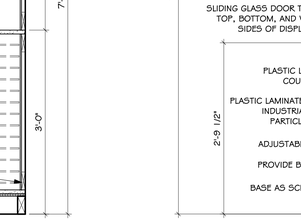

7 7.20 TALL STORAGE - OPEN SHELVES
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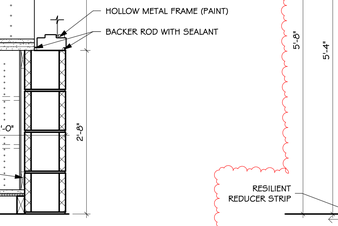
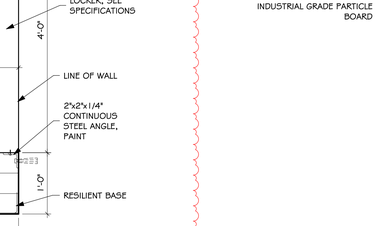
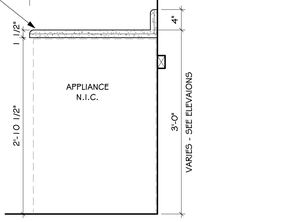


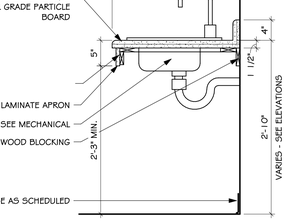
8 7.20 BASE/WALL - 4 DRAWER BASE
SCALE: 1" = 1'-0"



9 7.20 MAILBOX
SCALE: 1" = 1'-0"



10 7.20 UPPER - MICROWAVE SHELF
SCALE: 1" = 1'-0"



11 7.20 UPPER - OPEN SHELVING
SCALE: 1" = 1'-0"

12 7.20 TALL STORAGE - MUSIC
SCALE: 1" = 1'-0"

13 7.20 DISPLAY CASE - ART
SCALE: 1" = 1'-0"

14 7.20 METAL LOCKER
SCALE: 1" = 1'-0"

15 7.20 COUNTER - UNDERCOUNTER APPLIANCE
SCALE: 1" = 1'-0"

16 7.20 BASE - SINK W/ APRON
SCALE: 1" = 1'-0"

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State of South Dakota
REG. NO. 3734
STEVEN R. JASTRAM
7-1-2024
Registered Architect

project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: CASEWORK SECTIONS

number 0306.3023.23
date JULY 1, 2024
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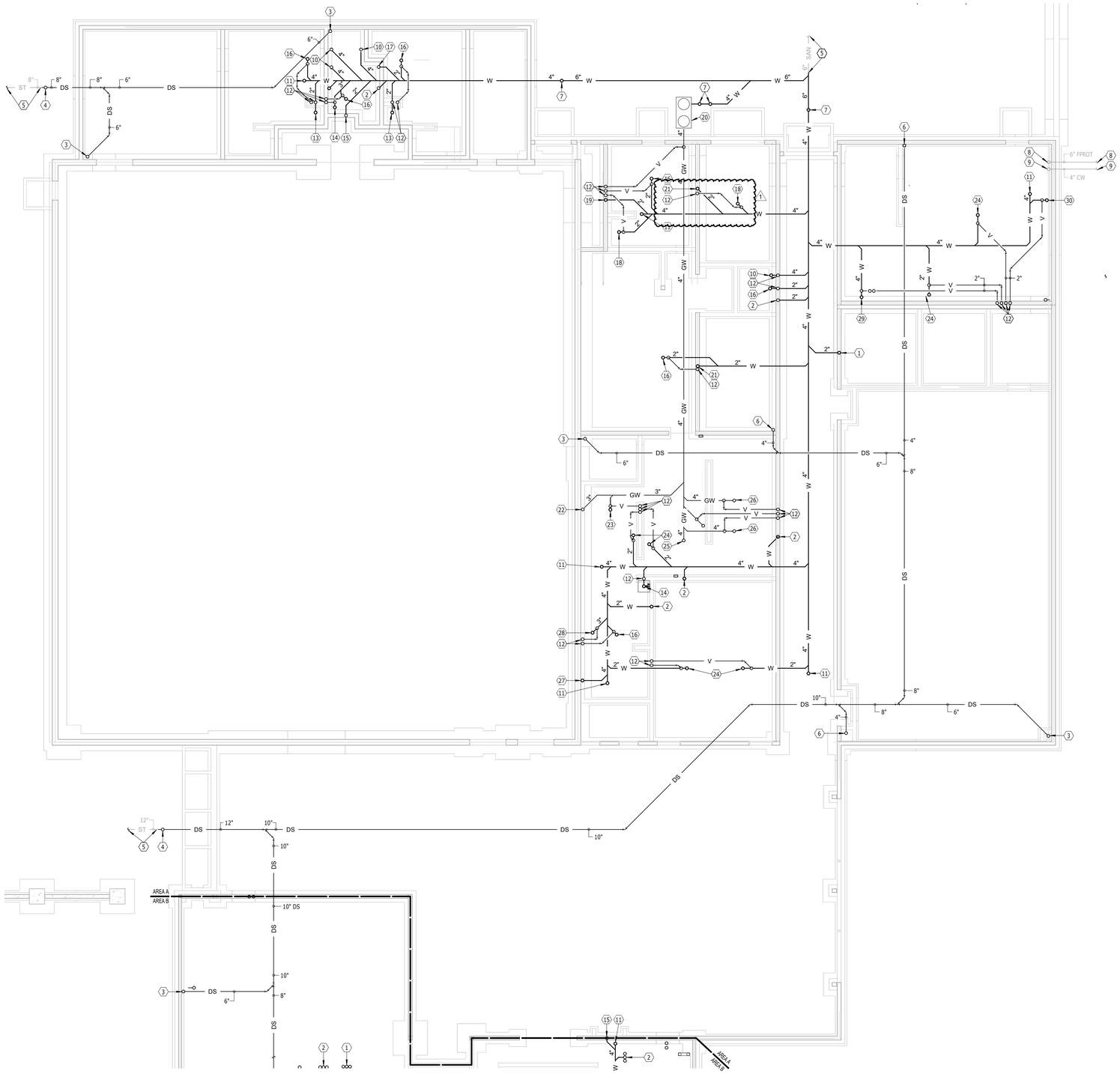
DATE	DESCRIPTION
8-2-2024	ADDENDUM #3

7.20



UNDERFLOOR PLAN - AREA A - PLUMBING

SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1 2" W UP TO SK
2 2" W UP TO LAV
3 6" DS UP
4 4" DS UP TO GRADE CO
5 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
6 4" DS UP
7 4" W UP TO GRADE CO
8 6" FPROT STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
9 4" WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
10 4" W UP TO WC
11 4" W UP TO CO
12 2" V UP
13 2" W UP TO SH
14 3" W UP TO MSK
15 2" W UP TO EWC
16 2" W UP TO FD
17 2" W UP TO UR
18 2" W UP TO FLOOR SINK WITH SEDIMENT BUCKET, JOSAM MODEL #37830 OR EQUAL
19 2" W UP TO UB
20 GREASE INTERCEPTOR MTD FLUSH WITH GRADE. SEE GREASE INTERCEPTOR DETAIL
21 2" W STACK UP
22 3" GW UP TO ITEM #18
23 2" GW UP TO TELL-TALE FLOOR DRAIN
24 2" W UP TO FSK
25 4" GW UP TO CO
26 4" GW UP TO ITEM #34
27 3" W UP TO ITEM #12
28 3" W UP TO FSK
29 4" W UP TO HUB DRAIN STUBBED 4" AFF
30 4" W UP TO FSK

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project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: UNDERFLOOR PLAN - AREA A - PLUMBING

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8.20

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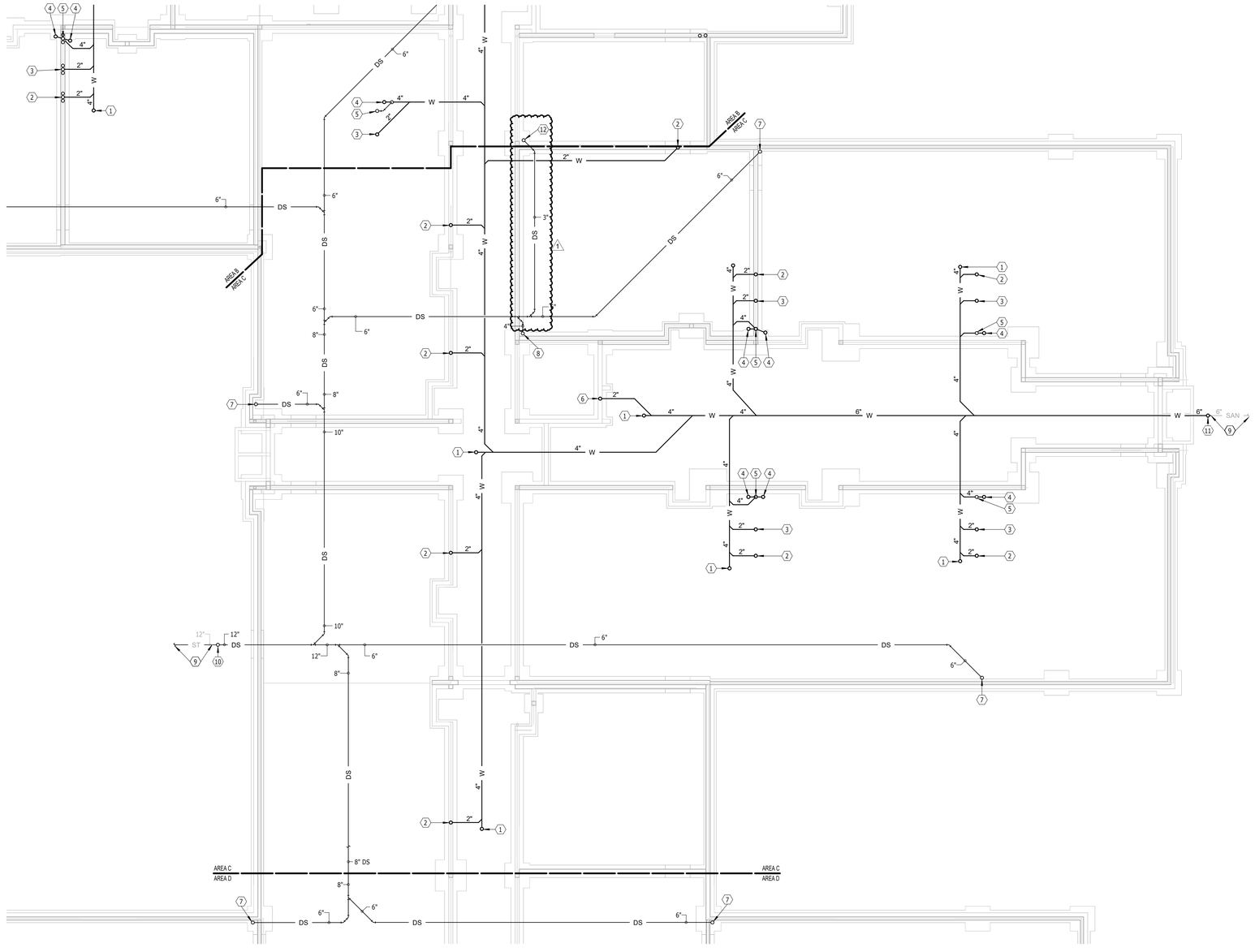

N UNDERFLOOR PLAN - AREA C - PLUMBING
SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1 4" W UP TO CO
2 2" W UP TO SK
3 2" W UP TO LAV
4 4" W UP TO WC
5 2" V UP
6 2" W UP TO EWC
7 6" DS UP
8 4" DS UP
9 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
10 4" DS UP TO GRADE CO
11 6" DS UP TO GRADE CO
12 3" DS UP

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KEYPLAN
A
B
C
D

project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: UNDERFLOOR PLAN - AREA C - PLUMBING

number 0306.3023.23
date JULY 1, 2024
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drawn DWM checked TJd

DATE	DESCRIPTION
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8.22

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GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1. 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
2. 1 1/4" CW DN
3. 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
4. 4" DS UP TO 4" RD
5. 6" DS UP TO 6" RD
6. 6" DS DN W/CO 24" AFF
7. 3" DS UP TO 3" RD
8. 4" DS DN W/CO 24" AFF
9. 3/4" CW DN TO WH MTD 24" ABOVE GRADE
10. PIPING DN TO INFLOOR HEAT ZONE
11. INFLOOR HEAT ZONE #2 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
12. INFLOOR HEAT ZONE #1 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
13. INFLOOR HEAT ZONE #1 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
14. INFLOOR HEAT ZONE #2 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
15. 2 1/2" CW UP, 1 1/2" HW UP, 1" RHW UP, 4" HWS UP, 4" HWR UP, 4" CHS UP, 4" CHR UP, 4" DS UP
16. PIPING DN THRU MECH ROOM WALL
17. HYDRONIC SEMIRECESSED INVERTED FLOW CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL
18. 1" HWS & 1" HWR DN TO CUH
19. 4" CHR UP, 4" CHS UP, 3" HWR UP, 3" HWS UP, 3/4" RHW UP, 1" HW UP, 2" CW UP
20. SEE ENLARGED KITCHEN FLOOR PLAN AREA A ON SHEET 8.29 FOR CONTINUATION
21. PIPING UP TO MEZZANINE
22. 2 1/2" CW DN, 1 1/2" HW DN, 1" RHW DN, 4" HWS DN, 4" HWR DN, 4" CHS DN, 4" CHR DN
23. MECHANICAL PENETRATIONS INTO OR OUT OF A STORM SHELTER SHALL BE PROTECTED FROM INCOMING PROJECTILES BY CONCRETE BAFFLES OR OTHER APPROVED METHODS AND MATERIALS PER ICC 500. VERIFY AND COORDINATE BAFFLE/OPENING DIMENSIONS WITH GENERAL CONTRACTOR

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project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: FLOOR PLAN - AREA A - PLUMBING & HEATING

number 0306.3023.23
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revision
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DATE	DESCRIPTION
8-1-24	Addendum #3

8.24

FLOOR PLAN - AREA A - PLUMBING & HEATING
SCALE 0 4 8 12 16

HEATING & COOLING PIPING DIAGRAM
NOT SCALE

KEYPLAN

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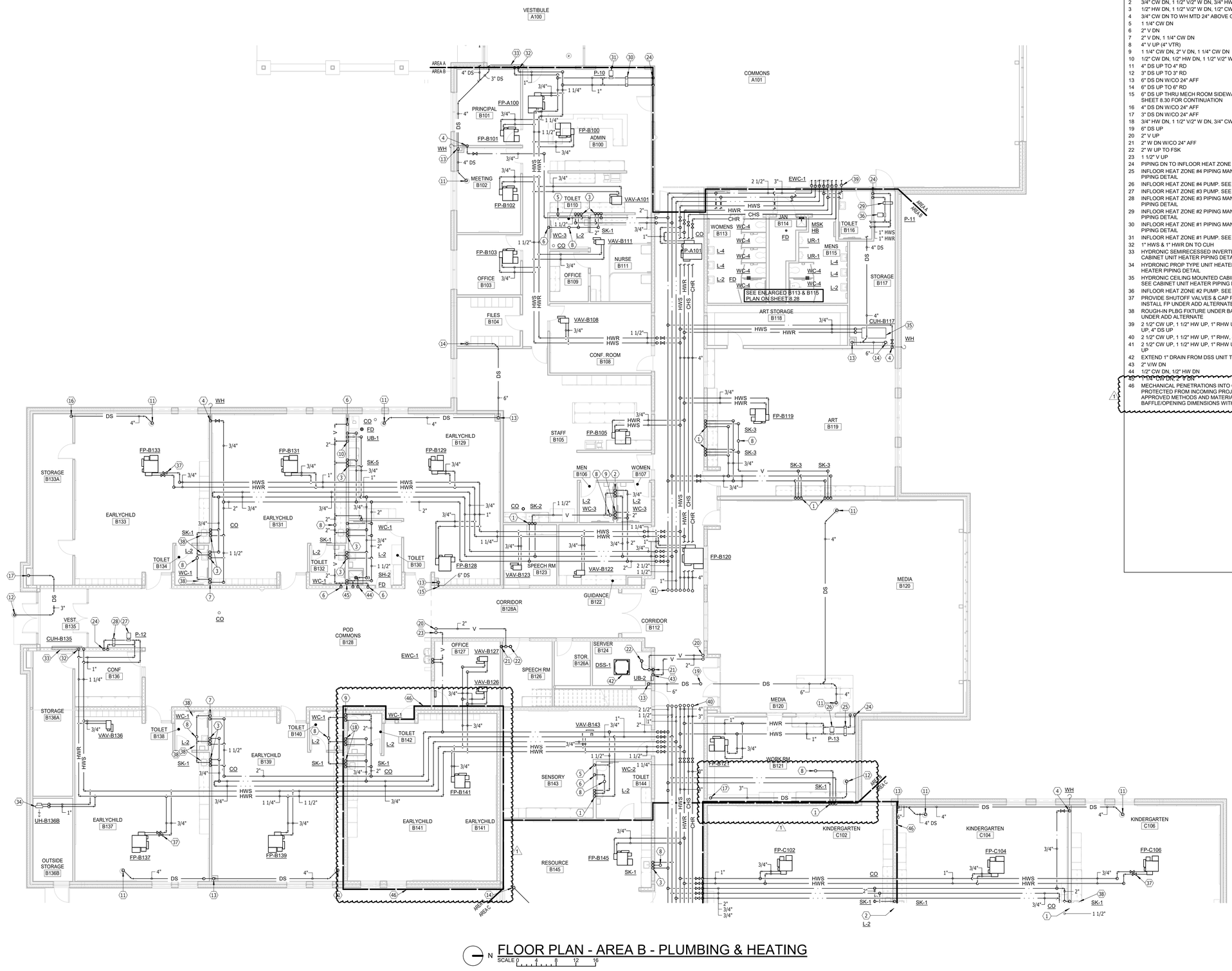

N FLOOR PLAN - AREA B - PLUMBING & HEATING
SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1. 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
2. 3/4" CW DN, 1 1/2" V/2" W DN, 3/4" HW DN
3. 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
4. 3/4" CW DN TO WH MTD 24" ABOVE GRADE
5. 1 1/4" CW DN
6. 2" V DN
7. 2" V DN, 1 1/4" CW DN
8. 4" V UP (4" VTR)
9. 1 1/4" CW DN, 2" V DN, 1 1/4" CW DN
10. 1/2" CW DN, 1/2" HW DN, 1 1/2" V/2" W DN
11. 4" DS UP TO 4" RD
12. 3" DS UP TO 3" RD
13. 6" DS DN W/CO 24" AFF
14. 6" DS UP TO 6" RD
15. 6" DS UP THRU MECH ROOM SIDEWALL. SEE ENLARGED MEZZANINE AREA B ON SHEET 8.30 FOR CONTINUATION
16. 4" DS DN W/CO 24" AFF
17. 3" DS DN W/CO 24" AFF
18. 3/4" HW DN, 1 1/2" V/2" W DN, 3/4" CW DN
19. 6" DS UP
20. 2" V UP
21. 2" W DN W/CO 24" AFF
22. 2" W UP TO FSK
23. 1 1/2" V UP
24. PIPING DN TO INFLOOR HEAT ZONE
25. INFLOOR HEAT ZONE #4 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
26. INFLOOR HEAT ZONE #4 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
27. INFLOOR HEAT ZONE #3 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
28. INFLOOR HEAT ZONE #3 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
29. INFLOOR HEAT ZONE #2 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
30. INFLOOR HEAT ZONE #1 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
31. INFLOOR HEAT ZONE #1 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
32. 1" HWS & 1" HWR DN TO CUH
33. HYDRONIC SEMIRECESSED INVERTED FLOW CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL
34. HYDRONIC PROP TYPE UNIT HEATER HUNG FROM STRUCTURE. SEE UNIT HEATER PIPING DETAIL
35. HYDRONIC CEILING MOUNTED CABINET UNIT HEATER HUNG FROM STRUCTURE. SEE CABINET UNIT HEATER PIPING DETAIL
36. INFLOOR HEAT ZONE #2 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
37. PROVIDE SHUTOFF VALVES & CAP PIPING AT THIS POINT UNDER BASE BID. INSTALL FP UNDER ADD ALTERNATE
38. ROUGH-IN PLBG FIXTURE UNDER BASE BID. PROVIDE & INSTALL FIXTURES UNDER ADD ALTERNATE
39. 2 1/2" CW UP, 1 1/2" HW UP, 1" RHW UP, 4" HWS UP, 4" HWR UP, 4" CHS UP, 4" CHR UP, 4" DS UP
40. 2 1/2" CW UP, 1 1/2" HW UP, 1" RHW, 4" HWS UP, 4" HWR UP, 3" CHS UP, 3" CHR UP
41. 2 1/2" CW UP, 1 1/2" HW UP, 1" RHW UP, 4" HWS UP, 4" HWR UP, 4" CHS UP, 4" CHR UP
42. EXTEND 1" DRAIN FROM DSS UNIT TO UTILITY BOX
43. 2" V/W DN
44. 1/2" CW DN, 1/2" HW DN
45. 1 1/4" CW DN, 2" V DN
46. MECHANICAL PENETRATIONS INTO OR OUT OF A STORM SHELTER SHALL BE PROTECTED FROM INCOMING PROJECTILES BY CONCRETE BAFFLES OR OTHER APPROVED METHODS AND MATERIALS PER ICC 500. VERIFY AND COORDINATE BAFFLE/OPENING DIMENSIONS WITH GENERAL CONTRACTOR

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project: BRANDON VALLEY ELEMENTARY SCHOOL
sheet contents: FLOOR PLAN - AREA B - PLUMBING & HEATING

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revision
drawn DWM checked TJ

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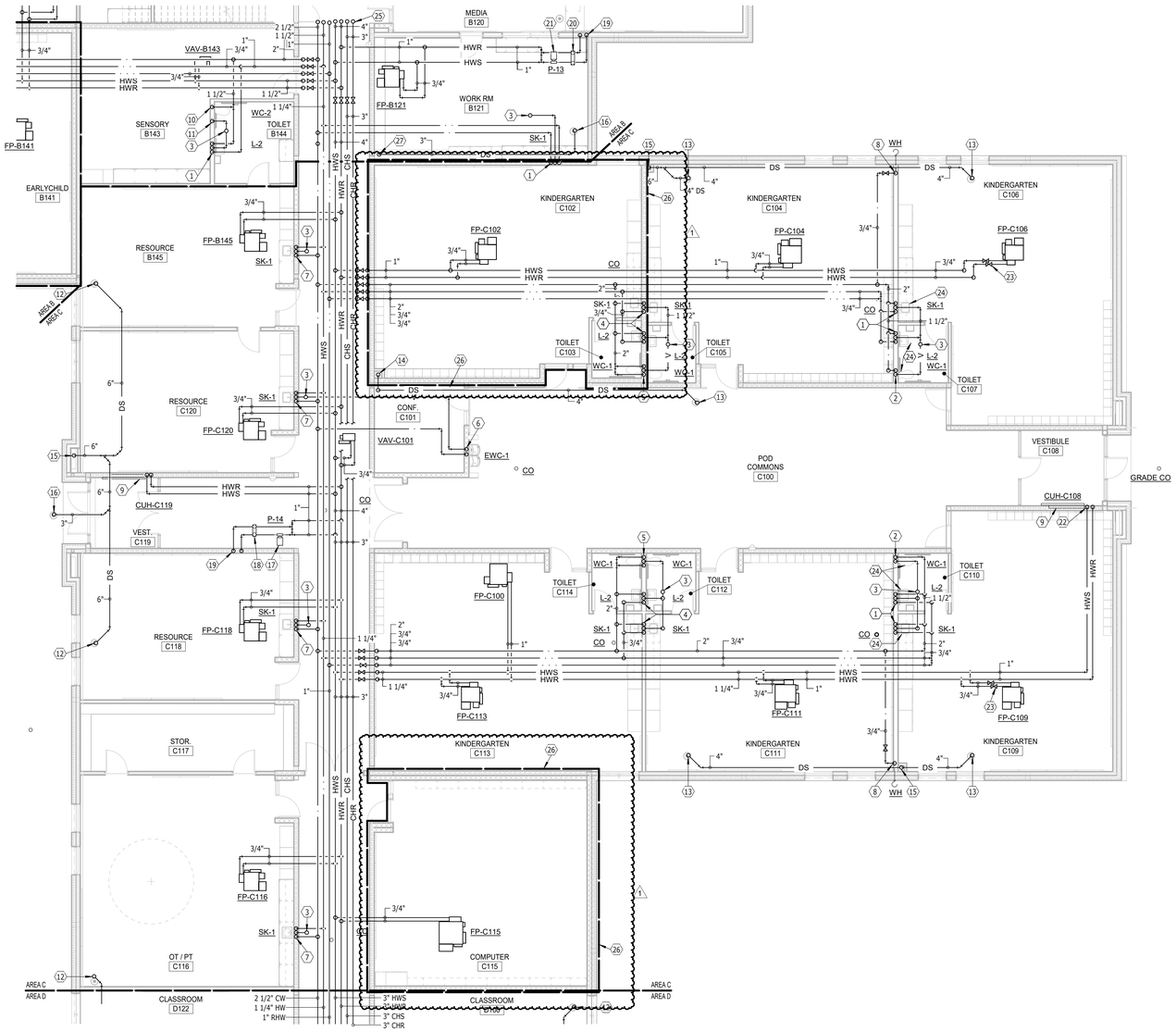

N FLOOR PLAN - AREA C - PLUMBING & HEATING

SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1. 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
2. 1 1/4" CW DN, 2" V DN
3. 4" V UP (4" VTR)
4. 3/4" CW DN, 1 1/2" V/2" W DN, 3/4" HW DN
5. 1 1/4" CW DN, 2" V DN, 1 1/4" CW DN
6. 1 1/2" V/2" W DN, 1/2" CW DN
7. 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
8. 3/4" CW DN TO WH MTD 24" ABOVE GRADE
9. HYDRONIC SEMIRECESSED INVERTED FLOW CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL
10. 1 1/4" CW DN
11. 2" V DN
12. 6" DS UP TO 6" RD
13. 4" DS UP TO 4" RD
14. 4" DS DN W/CO 24" AFF
15. 6" DS DN W/CO 24" AFF
16. 3" DS UP TO 3" RD
17. INFLOOR HEAT ZONE #5 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
18. INFLOOR HEAT ZONE #5 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
19. PIPING DN TO INFLOOR HEAT ZONE
20. INFLOOR HEAT ZONE #4 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
21. INFLOOR HEAT ZONE #4 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
22. 1" HWS & 1" HWR DN TO CUH
23. PROVIDE SHUTOFF VALVES & CAP PIPING AT THIS POINT UNDER BASE BID. INSTALL FP UNDER ADD ALTERNATE
24. ROUGH-IN PLBG FIXTURE UNDER BASE BID. PROVIDE & INSTALL FIXTURES UNDER ADD ALTERNATE
25. 12" DS DN W/CO 24" AFF
26. MECHANICAL PENETRATIONS INTO OR OUT OF A STORM SHELTER SHALL BE PROTECTED FROM INCOMING PROJECTILES BY CONCRETE BAFFLES OR OTHER APPROVED METHODS AND MATERIALS PER ICC 500. VERIFY AND COORDINATE BAFFLE/OPENING DIMENSIONS WITH GENERAL CONTRACTOR.
27. 3" DS DN W/CO 24" AFF

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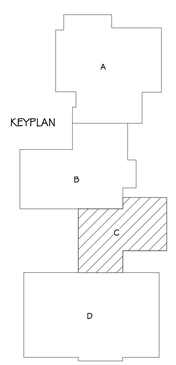
KEYPLAN



project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
FLOOR PLAN - AREA C - PLUMBING & HEATING

number 0306.3023.23
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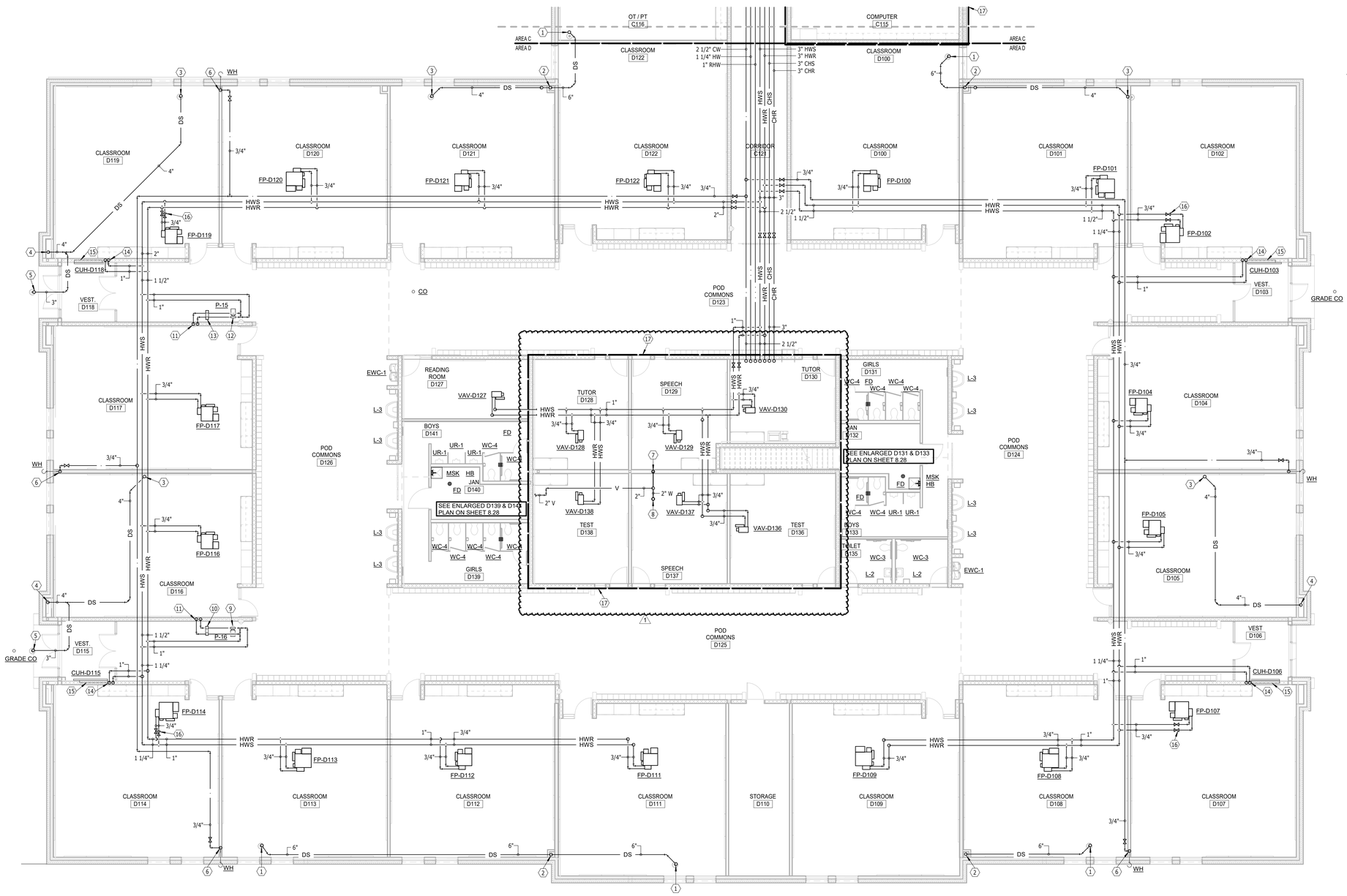

FLOOR PLAN - AREA D - PLUMBING & HEATING

SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1. 6" DS UP TO 6" RD
2. 6" DS DN W/CO 24" AFF
3. 4" DS UP TO 4" RD
4. 4" DS DN W/CO 24" AFF
5. 3" DS UP TO 3" RD
6. 3/4" CW DN TO WH MTD 24" ABOVE GRADE
7. 2" W DN W/CO 24" AFF
8. 2" W UP TO FSK
9. INFLOOR HEAT ZONE #7 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
10. INFLOOR HEAT ZONE #7 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
11. PIPING DN TO INFLOOR HEAT ZONE
12. INFLOOR HEAT ZONE #6 PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
13. INFLOOR HEAT ZONE #6 PIPING MANIFOLD. SEE INFLOOR HEAT MANIFOLD PIPING DETAIL
14. 1" HWS & 1" HWR DN TO CUH
15. HYDRONIC SEMIRECESSED INVERTED FLOW CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL
16. PROVIDE SHUTOFF VALVES & CAP PIPING AT THIS POINT UNDER BASE BID. INSTALL IF UNDER ADD ALTERNATE
17. MECHANICAL PENETRATIONS INTO OR OUT OF A STORM SHELTER SHALL BE PROTECTED FROM INCOMING PROJECTILES BY CONCRETE BAFFLES OR OTHER APPROVED METHODS AND MATERIALS PER ICC 500. VERIFY AND COORDINATE BAFFLE/OPENING DIMENSIONS WITH GENERAL CONTRACTOR

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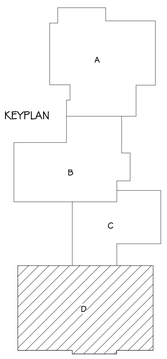
project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: FLOOR PLAN - AREA D - PLUMBING & HEATING

KEYPLAN



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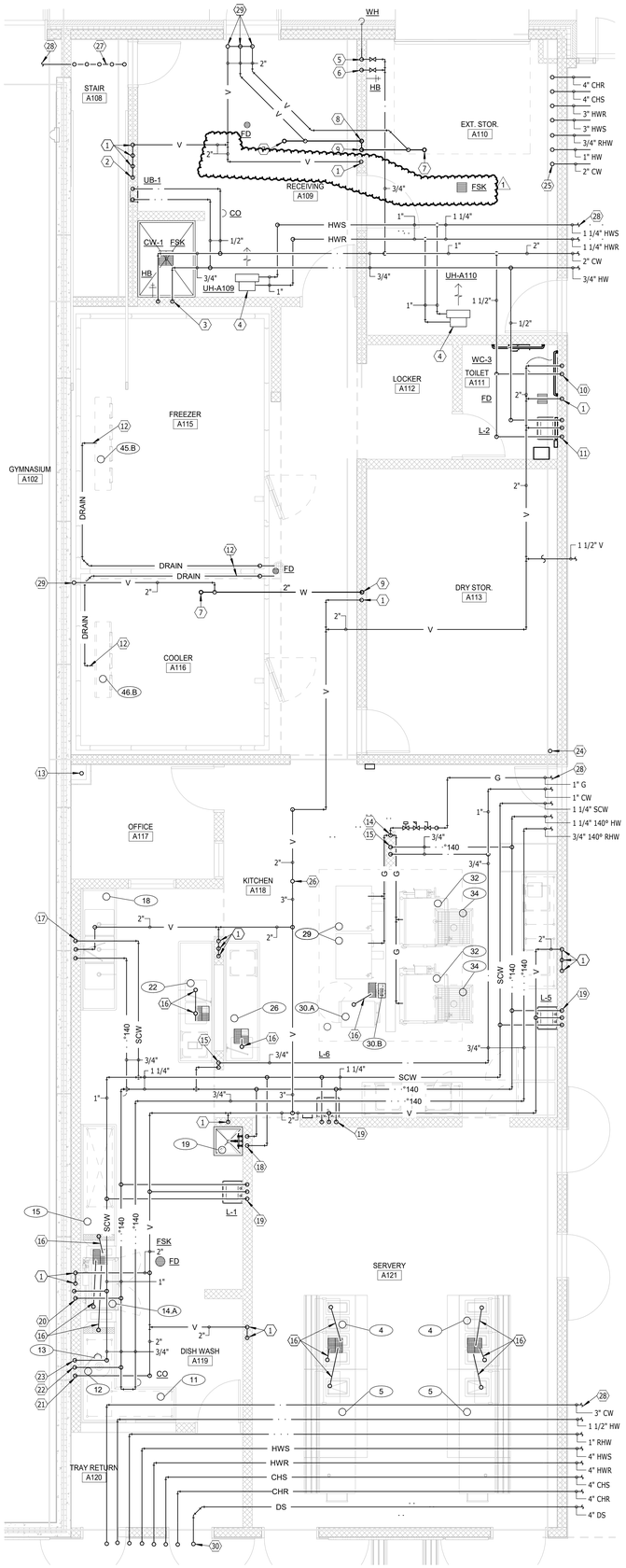
DATE	DESCRIPTION
8-1-24	Addendum #3

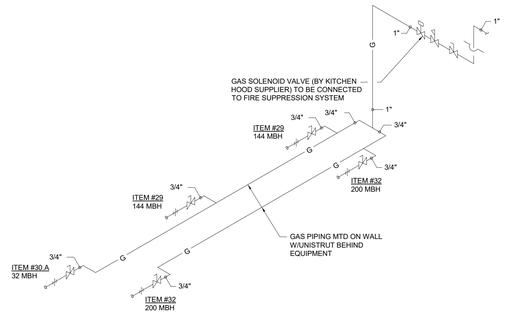
8.27

8/1/2024 1:20:24 AM



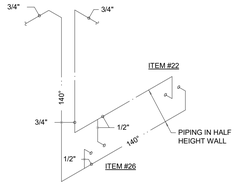
ENLARGED KITCHEN FLOOR PLAN - AREA A - PLUMBING & HEATING

SCALE 0 2 4 6 8



KITCHEN EQUIPMENT GAS PIPING RISER

NO SCALE



KITCHEN EQUIPMENT #22 & #26 WATER PIPING RISER

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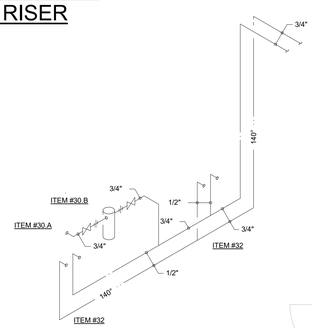
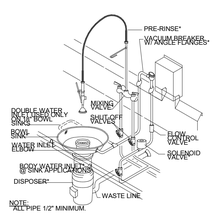


KITCHEN EQUIPMENT #30.A, #30.B & #32 WATER PIPING RISER

NO SCALE

GENERAL NOTES - PLUMBING

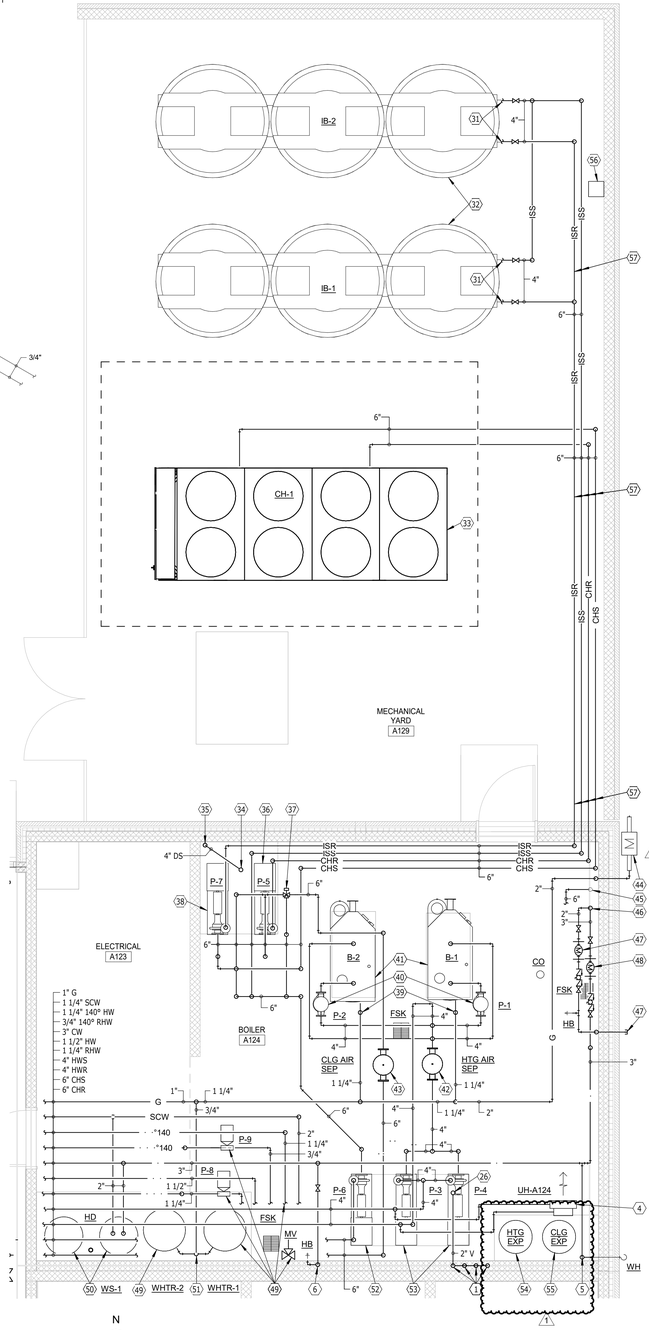
1. Division 22 Contractor to provide all necessary shut-off valves, pressure regulators, etc. for equipment installed ahead of equipment control valve, unless otherwise specified.
2. All indirect wastes for foodservice equipment will be extended to floor drains by the Division 15 and drainlines within the cafeteria serving counters which will be extended to floor drains by the FSEC.
3. The FSEC is responsible for setting equipment in place. FINAL CONNECTIONS AND INTERCONNECTIONS FOR THIS EQUIPMENT IS THE RESPONSIBILITY OF DIVISION 22 CONTRACTOR.
4. Sink faucets Installed by Division 22. Sink wastes furnished and installed by FSEC; tailpiece, p-trap and drain connection by Division 22.
5. Health codes require that all plumbing be enclosed in walls or floor and that exposed piping runs be as short as possible. Exposed horizontal piping must be 6" above the floor and at least 1" off the wall. ALL EXPOSED PIPING TO BE CHROME PLATED.



*THESE COMPONENTS FURNISHED BY FSEC
ALL OTHER COMPONENTS AND INSTALLATION PROVIDED BY DIVISION 22
FSEC = FOODSERVICE EQUIPMENT CONTRACTOR

DISPOSER

NO SCALE



ENLARGED MECH ROOM PLAN - AREA A - PLUMBING & HEATING

SCALE 0 2 4 6 8

GENERAL SHEET NOTES

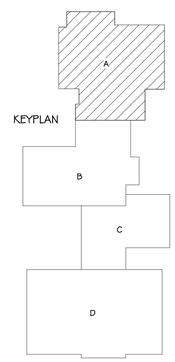
A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1 2" V DN
2 1 1/2" V/2" W DN, 1/2" CW DN, 1/2" HW DN
3 3/4" CW DN TO HB/CW-1, 3/4" HW DN TO CW-1
4 HYDRONIC PROP TYPE UNIT HEATER HUNG FROM STRUCTURE. SEE UNIT HEATER PIPING DETAIL
5 3/4" CW DN TO WH MTD 24" ABOVE GRADE
6 1/2" CW DN TO HB MTD 24" AFF
7 2" W UP TO FSK
8 2" W DN
9 2" W DN W/CO 24" AFF
10 2" V DN, 1 1/4" CW DN
11 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
12 EXTEND 1" DRAIN FROM COOLING UNIT TO FD
13 6" DS UP/DN W/CO 24" AFF
14 1" G DN. SEE KITCHEN EQUIPMENT GAS PIPING RISER ON THIS SHEET
15 3/4" CW & 3/4" 140 DEGREE HW DN TO ITEMS #22 & #26 IN HALF HEIGHT WALL. SEE KITCHEN EQUIPMENT PIPING RISER ON THIS SHEET
16 EXTEND INDIRECT DRAIN TO FSK
17 3/4" SCW, 2" V/3" W & 3/4" 140 DEGREE HW DN TO ITEM #18
18 1/2" 140 DEGREE HW & 1/2" SCW DN TO ITEM #19
19 1/2" 140 DEGREE HW DN, 1 1/2" V/2" W DN, 1/2" SCW DN
20 1/2" 140 DEGREE HW & 1/2" SCW DN TO ITEM #14.A
21 2" V/3" W DN TO ITEM #12
22 1/2" 140 DEGREE HW DN TO ITEM #13
23 3/4" SCW DN TO ITEM #12 & #13
24 4" DS UP/DN W/CO 24" AFF
25 3" CHR UP, 3" CHS UP, 3" HWR UP, 3" HWS UP, 3/4" RHW UP, 1" HW UP, 2" CW UP
26 4" V UP (4" VTR)
27 PIPING UP TO MEZZANINE
28 SEE AREA "A" FLOOR PLAN ON SHEET 8.24 FOR CONTINUATION
29 2" V UP
30 2 1/2" CW UP, 1 1/2" HW UP, 1" RHW UP, 4" HWS UP, 4" HWR UP, 4" CHS UP, 4" CHR UP, 4" DS UP
31 CONNECT TO PIPING MANIFOLD FOR (3) ICE STORAGE TANKS
32 ICE STORAGE TANKS (3 MANIFOLDED TANKS)
33 AIR COOLED CHILLER. SEE CHILLER PIPING DETAIL
34 4" DS UP TO 4" RD
35 4" DS DN W/CO 24" AFF
36 BASE MOUNTED PRIMARY CHILLED WATER PUMP SET ON CONCRETE HOUSEKEEPING PAD. PAD BY G.C. SEE BASE MOUNTED PUMP PIPING DETAIL
37 3-WAY CONTROL VALVE
38 BASE MOUNTED ICE STORAGE PUMP MOUNTED ON HOUSEKEEPING PAD. PAD BY G.C.. SEE BASE MOUNTED PUMP PIPING DETAIL
39 INLINE BOILER CIRC. PMP. SEE BOILER PIPING DETAIL
40 HYDRONIC BOILER SET ON CONCRETE HOUSEKEEPING PAD. PAD BY G.C. EXTEND INTAKE & EXHAUST PIPING UP THRU ROOF. SEE BOILER PIPING DETAIL
41 HEATING WATER SYSTEM AIR SEPARATOR. SEE AIR SEPARATOR PIPING DETAIL
42 CHILLED WATER SYSTEM AIR SEPARATOR. SEE AIR SEPARATOR PIPING DETAIL
43 GAS METER & GAS SERVICE. GAS PIPING SIZED AT 2 POUND. 260' TOTAL LENGTH, 5120 MBH AT 2 PSIG, PRESSURE DROP 1 PSIG
44 CONNECT TO 6" FIRE PROTECTION SERVICE STUBBED UP THRU FLOOR TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. FIRE PROTECTION VALVING MTD ABOVE WATER METER.
45 CONNECT TO 4" WATER SERVICE STUBBED UP THRU FLOOR TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. METER TO BE MOUNTED BELOW FIRE PROTECTION VALVING
46 1 1/2" IRRIGATION METER WITH 2" REDUCED PRESSURE BACKFLOW PREVENTER. EXTEND 2" LSPR PIPING OUT THRU WALL FOR CONTINUATION BY SITE IRRIGATION CONTRACTOR. EXTEND RPZ DRAIN TO HUB DRAIN.
47 2" WATER METER WITH 3" REDUCED PRESSURE BACKFLOW PREVENTER MTD BELOW FIRE PROTECTION VALVING. EXTEND RPZ DRAIN TO HUB DRAIN
48 GAS FIRED WATER HEATERS, MIXING VALVE & PUMPS MTD ON HOUSEKEEPING PAD. PAD BY G.C.. EXTEND INTAKE & EXHAUST PIPING UP THRU ROOF. SEE WATER HEATER PIPING DETAIL
49 WATER SOFTENER AND BRINE TANK WITH 3-WAY BYPASS VALVES. EXTEND DRAIN TO HUB DRAIN
50 3/4" G DN. EXTEND 1/2" G WITH GAS COCK, PRESSURE REDUCING VALVE & UNION TO EACH WATER HEATER
51 BASE MOUNTED SECONDARY COOLING WATER PUMP MOUNTED ON HOUSEKEEPING PAD. PAD BY G.C.. SEE BASE MOUNTED PUMP PIPING DETAIL
52 BASE MOUNTED SECONDARY HEATING WATER PUMP MOUNTED ON HOUSEKEEPING PAD. PAD BY G.C.. SEE BASE MOUNTED PUMP PIPING DETAIL
53 BASE MOUNTED SECONDARY HEATING WATER PUMP MOUNTED ON HOUSEKEEPING PAD. PAD BY G.C.. SEE BASE MOUNTED PUMP PIPING DETAIL
54 211 GALLON VERTICAL HEATING WATER EXPANSION TANK B&G MODEL B600 , MTD ON CONCRETE HOUSEKEEPING PAD. PAD BY G.C.. SEE EXPANSION TANK DETAIL
55 158 GALLON VERTICAL CHILLED WATER EXPANSION TANK B&G MODEL B800. MTD ON CONCRETE HOUSEKEEPING PAD. PAD BY G.C.. SEE EXPANSION TANK DETAIL
56 AS-BUILT DRAWINGS
57 PIPING STACKED ON WALL WITH UNISTRUT SUPPORTS

EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	COLD WATER SIZE (IN)	HOT WATER SIZE (IN)	HOT WATER RECIRC. SIZE (IN)	INDIRECT DRAIN SIZE (IN)	DIRECT DRAIN SIZE (IN)	DRAIN RTOUGH-IN HEIGHT (IN)	GAS CONNECTION SIZE (IN)	GAS SUPPLY BTU'S	GAS ROUGH-IN HEIGHT (IN)	EQUIPMENT REMARKS
4	2	HOT FOOD SERVING COUNTER	-	-	-	-	-	-	-	-	-	TWO LOCATIONS. EXTEND INDIRECT DRAIN TO FLOOR SINK
5	2	UTILITY SERVING COUNTER WITH DROP-IN ICE PAN	-	-	-	1	-	-	-	-	-	TWO LOCATIONS. EXTEND INDIRECT DRAIN TO FLOOR SINK
11	1	SOILED DISHTABLE WITH CROSS DRAIN	-	-	-	1-1/2	-	-	-	-	-	EXTEND INDIRECT DRAIN TO FLOOR SINK
12	1	DISPOSER	1/2	1/2	18	-	3	12	-	-	-	-
13	1	PRE-RINSE FAUCET	1/2	1/2	18	-	-	-	-	-	-	-
14.A	1	DISHWASHER MOTORS, CONTROLS AND TANK HEAT	1/2	1/2	18	2	-	-	-	-	-	EXTEND INDIRECT DRAIN TO FLOOR SINK
15	1	CLEAN DISHTABLE WITH CROSS DRAIN	-	-	-	1-1/2	-	-	-	-	-	EXTEND INDIRECT DRAIN TO FLOOR SINK
18	1	PRE-RINSE FAUCET WITH ADD-ON FAUCET AND (3) LEVER DRAINS	1/2	1/2	14	-	3@2"	-	-	-	-	-
19	1	MOP SINK AND FAUCET	1/2	1/2	36	-	3	12	-	-	-	-
22	1	TWO COMPARTMENT SINK WITH PRE-RINSE FAUCET, ADD-ON FAUCET AND LEVER DRAINS	1/2	1/2	14	3@2"	-	-	-	-	-	MANIFOLD TWO INDIRECT DRAINS AND EXTEND TO FLOOR SINK
26	1	WORK TABLE WITH SINK, FAUCET AND LEVER DRAIN	1/2	1/2	14	2@2"	-	-	-	-	-	EXTEND INDIRECT DRAIN TO FLOOR SINK
28	(3)	(BY PLUMBING CONTRACTOR) HAND SINK	1/2	1/2	18	-	1-1/2	24	-	-	-	THREE LOCATIONS. VERIFY REQUIREMENTS WITH SUPPLIER
29	2	DOUBLE DECK CONVECTION OVEN	-	-	-	-	-	-	3/4	144,000	32	TWO LOCATIONS - ROUGH-INS LISTED ARE FOR ONE DOUBLE DECK OVEN
30.A	1	CONVECTION STEAMER	3/4	-	36	1-1/2	-	-	1/2	32,000	48	COLD WATER ROUGH-IN IS FOR DRAIN CONDENSER INLET. EXTEND FILTERED WATER FROM ITEM 30.B TO RESERVOIR INLET. EXTEND INDIRECT COPPER DRAIN TO FLOOR SINK
30.B	1	WATER TREATMENT SYSTEM	3/4	-	36	-	-	-	-	-	-	SEE ITEM 30.A
32	2	TILTING SKILLET - ONE WITH DOUBLE PANTRY FAUCET	1/2	1/2	18	-	-	-	3/4	200,000	12	TWO LOCATIONS
34	2	FLOOR TROUGH	-	-	-	2	4	FLOOR	-	-	-	TWO LOCATIONS
40.B	1	WALK-IN FREEZER EVAPORATOR	-	-	-	1	-	-	-	-	-	EXTEND INDIRECT COPPER DRAIN TO FLOOR DRAIN
40.B	1	WALK-IN COOLER EVAPORATOR	-	-	-	1	-	-	-	-	-	EXTEND INDIRECT COPPER DRAIN TO FLOOR DRAIN



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project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
ENLARGED KITCHEN & MECHANICAL ROOM PLANS - PLUMBING & HEATING

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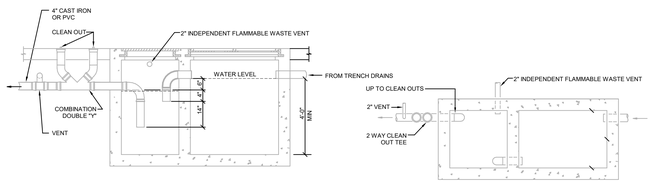
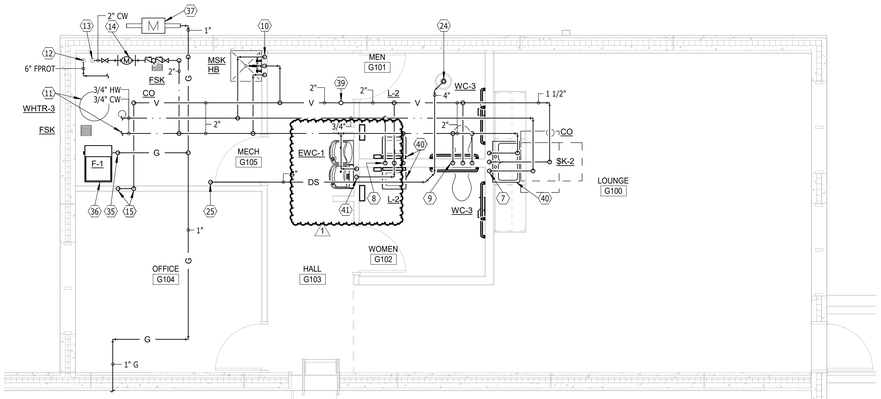


PLAN VIEW

DOUBLE CATCH BASIN DETAIL

NO SCALE



ENLARGED BUS GARAGE - PLUMBING & HEATING - ADD ALT #1

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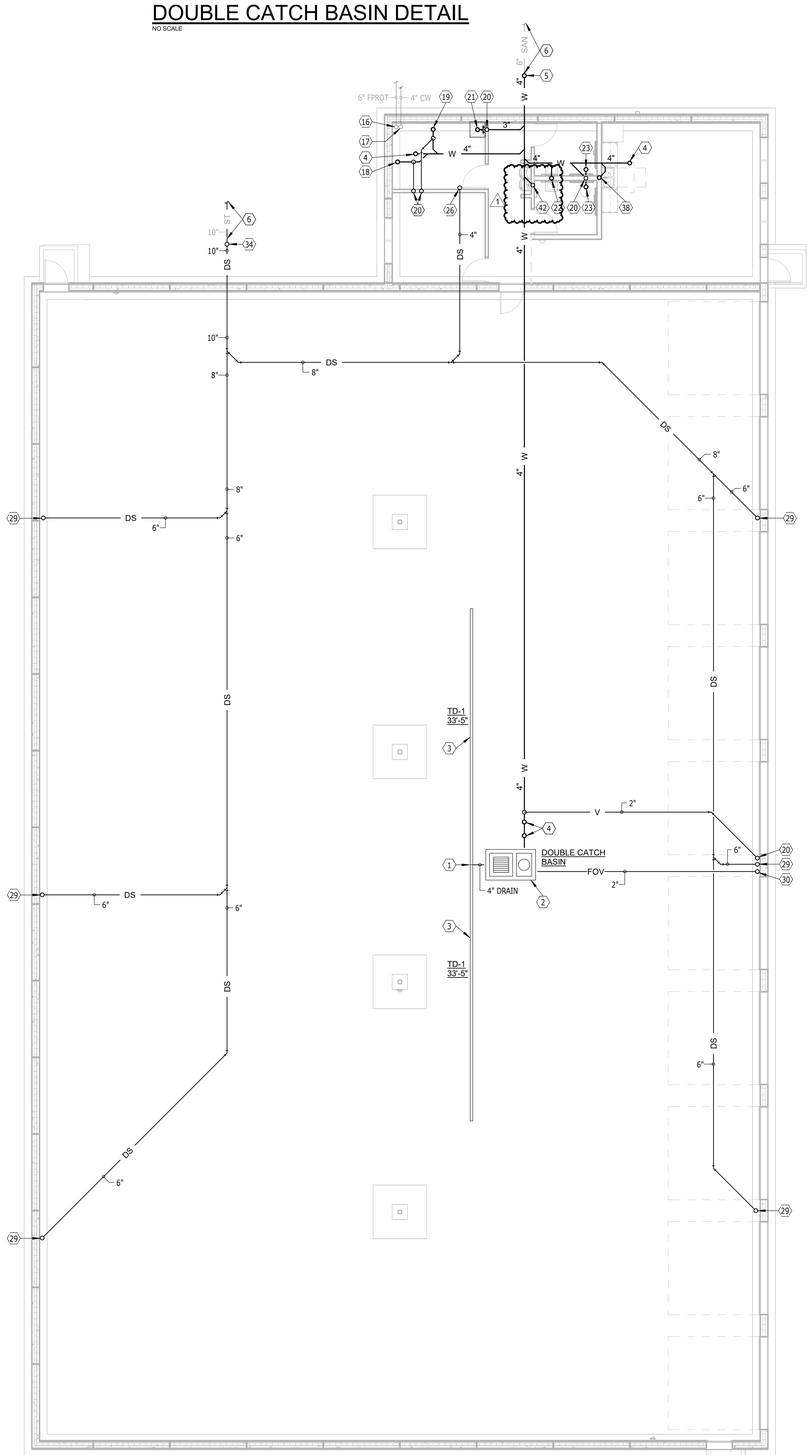

UNDERFLOOR PLAN - BUS GARAGE - PLUMBING & HEATING - ADD ALT #1

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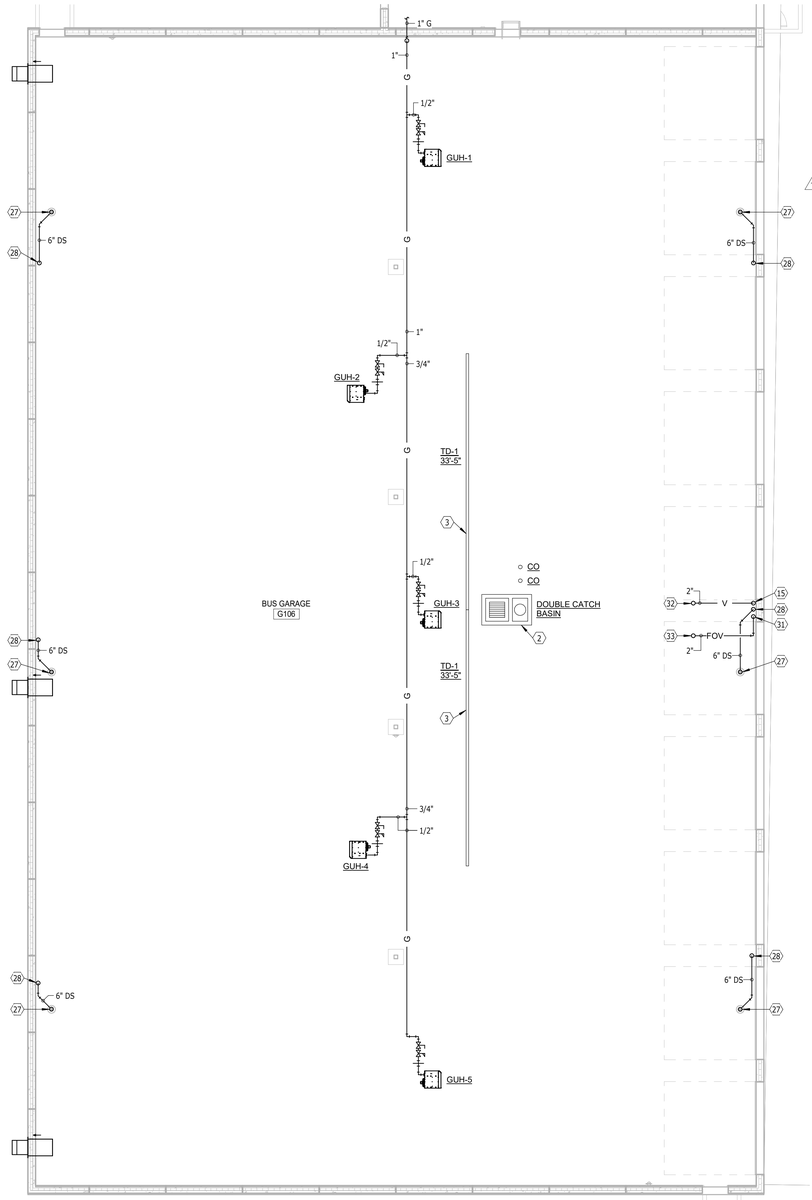

FLOOR PLAN - BUS GARAGE - PLUMBING & HEATING - ADD ALT #1

SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

PLUMBING & HEATING NOTES

1. 4" DRAIN UP TO TRENCH DRAIN W/NO P-TRAP
2. DOUBLE CATCH BASIN. SEE DOUBLE CATCH BASIN PIPING DETAIL
3. TRENCH DRAIN ZURN MODEL #Z886-HDG-GDE OR EQUAL
4. 4" W UP TO CO
5. 4" W UP TO GRADE CO
6. CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
7. 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
8. 3/4" HW DN, 1 1/2" V/2" W DN, 3/4" CW DN
9. 1 1/4" CW DN, 2" V DN, 1 1/4" CW DN
10. 1/2" HW DN TO MSK, 2" V DN, 3/4" CW DN TO HB/MSK
11. ELECTRIC WATER HEATER. SEE ELECTRIC WATER HEATER PIPING DETAIL
12. CONNECT TO 6" FIRE PROTECTION SERVICE STUBBED UP THRU FLOOR TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. FIRE PROTECTION VALVING MTD ABOVE WATER METER.
13. CONNECT TO 4" WATER SERVICE STUBBED UP THRU FLOOR TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. METER TO BE MOUNTED BELOW FIRE PROTECTION VALVING
14. 1 1/2" WATER METER WITH 2" REDUCED PRESSURE BACKFLOW PREVENTER MTD BELOW FIRE PROTECTION VALVING. EXTEND RPZ DRAIN TO FSK
15. 2" V DN
16. 6" FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY PLAN FOR CONTINUATION
17. 4" WATER SERVICE STUBBED UP THRU FLOOR TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
18. 2" W UP TO FSK
19. 4" W UP TO FSK
20. 2" V UP
21. 3" W UP TO MSK
22. 2" W UP TO LAV
23. 4" W UP TO WC
24. 4" DS UP TO 4" RD
25. 4" DS DN W/CO 24" AFF
26. 4" DS UP
27. 6" DS UP TO 6" RD
28. 6" DS DN W/CO 24" AFF
29. 6" DS UP
30. 2" FOV UP
31. 2" FOV DN
32. 2" V UP (4" VTR)
33. 2" FOV UP (4" FOVTR)
34. 4" DS UP TO GRADE CO
35. 1/2" G DN WITH GAS COCK. PRESSURE REDUCING VALVE & UNION TO FURNACE
36. EXTEND 1" COND FROM FURNACE TO FSK
37. GAS METER & GAS SERVICE. GAS PIPING SIZED AT 2 POUND. 200' TOTAL LENGTH, 830 MBH AT 2 PSIG, PRESSURE DROP 1 PSIG
38. 2" W UP TO SK
39. 4" V UP (4" VTR)
40. PROVIDE WATER SAVING FAUCET. MODEL #LFUSG-B M2 FOR FAUCET
41. 1/2" CW DN, 1 1/2" V/2" W DN
42. 2" W UP TO EWC

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project
BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents
BUS GARAGE PLANS - PLUMBING & HEATING

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ELECTRICAL NOTES

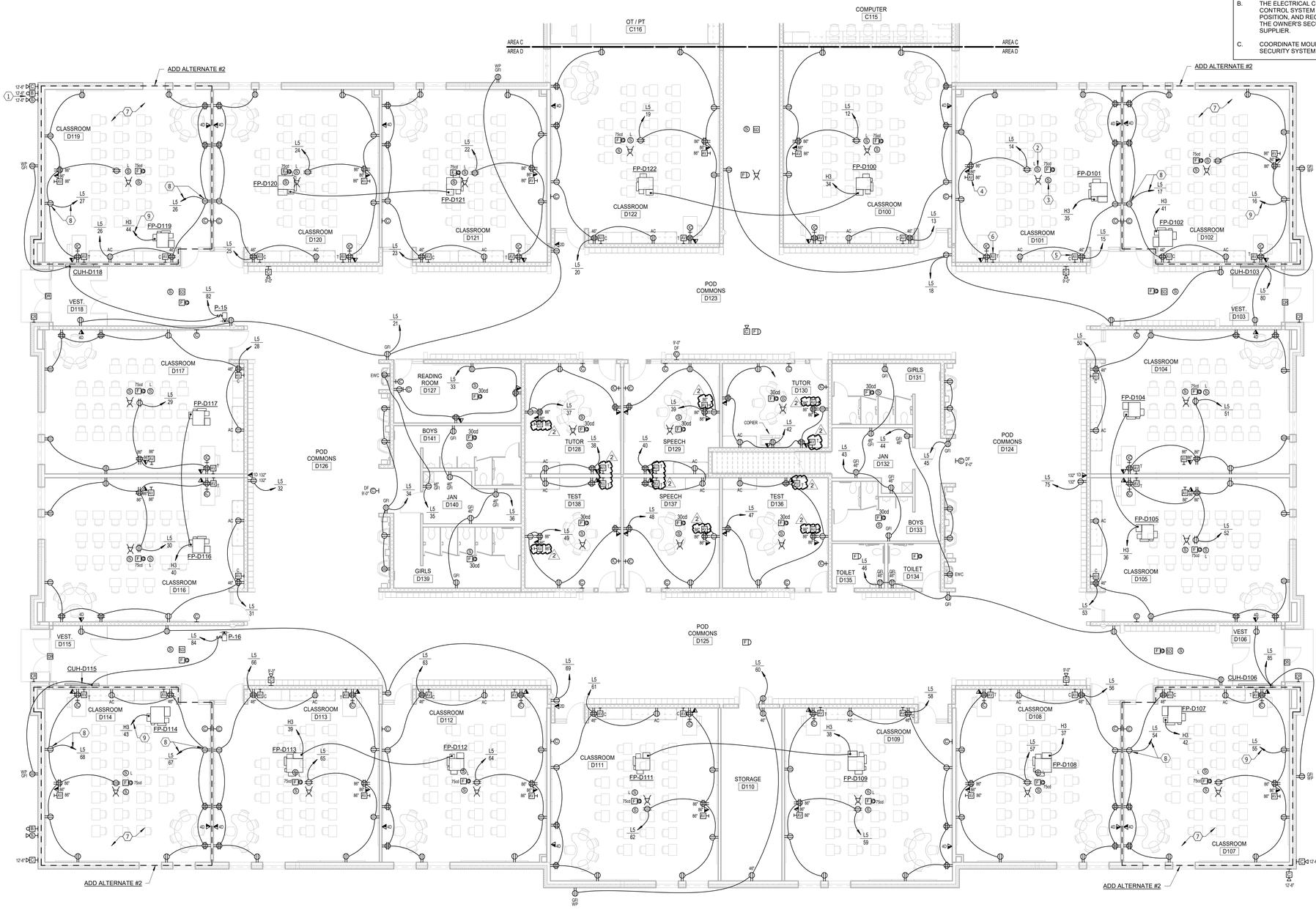
1 INTERCOM AND PROGRAM CLOCK SYSTEM SPEAKER AND BELL.
2 A/V SOUND SYSTEM SPEAKER, TYPICAL. SEE DETAIL.
3 PAGING INTERCOM SPEAKER, TYPICAL.
4 A/V DEVICE (PROMETHEAN BOARD). TYPICAL. SEE DETAIL.
5 A/V DEVICE (CABINET) AT 46" AFF. TYPICAL. SEE DETAIL.
6 A/V DEVICE (TEACHER), TYPICAL. SEE DETAIL.
7 UNDER THE BASE BID, UNLESS NOTED OTHERWISE, PROVIDE ROUGH-INS ONLY FOR DEVICES IN THIS ROOM.
8 UNDER THE BASE BID, PROVIDE THIS DEVICE AND BRANCH CIRCUIT HOME RUN.
9 UNDER THE BASE BID, DELETE CONNECTION TO FAN POWERED VAV UNIT IN THIS ROOM.

GENERAL SHEET NOTES

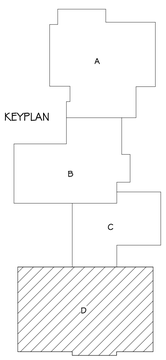
A. THE CEILING SPACE AVAILABLE REQUIRES EXTENSIVE COORDINATION WITH OTHER TRADES. THE CONTACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATIO OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-INS FOR ACCESS CONTROL SYSTEM DEVICES (CARD READER, DOOR RELEASE, DOOR POSITION, AND REQUEST TO EXIT). COORDINATE REQUIREMENTS WITH THE OWNER'S SECURITY SYSTEM SUPPLIER AND THE DOOR HARDWARE SUPPLIER.

C. COORDINATE MOUNTING HEIGHTS OF CAMERAS WITH THE OWNERS SECURITY SYSTEM SUPPLIER.



N FLOOR PLAN - AREA D - POWER & SIGNAL
SCALE 0 4 8 12 16



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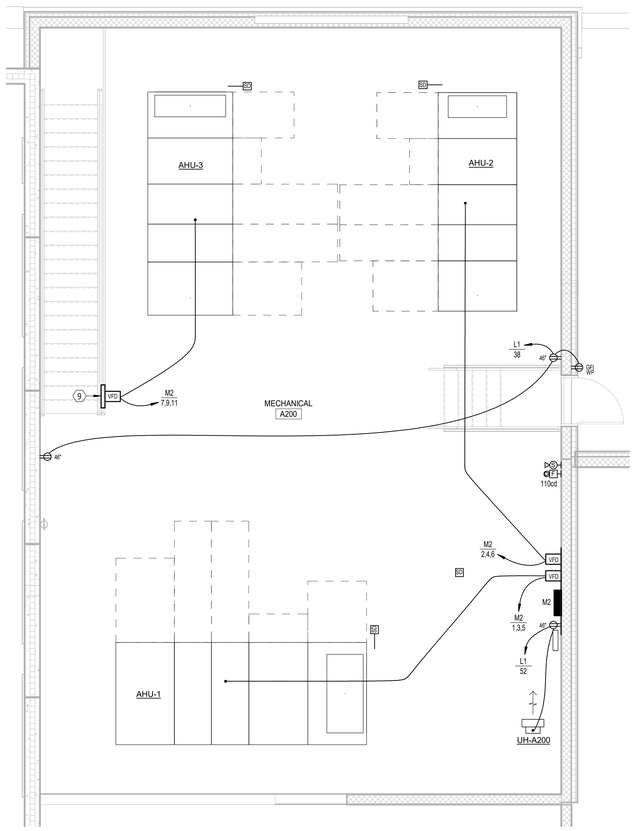

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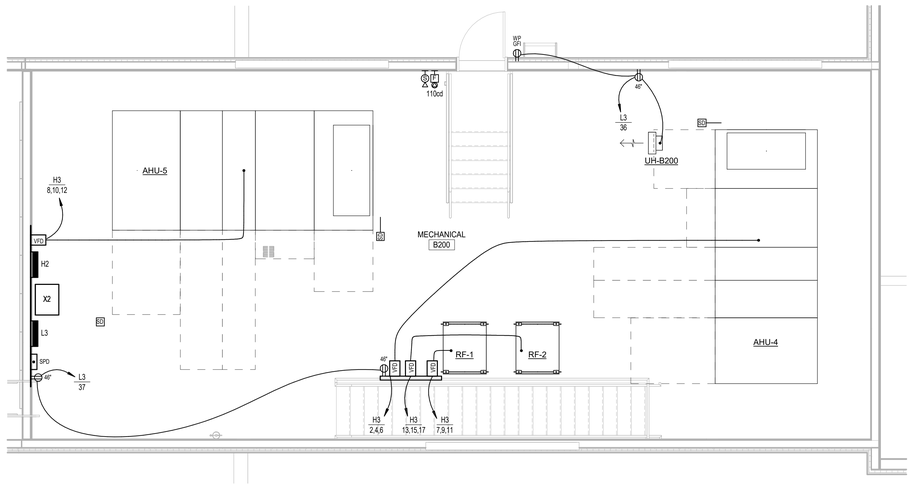

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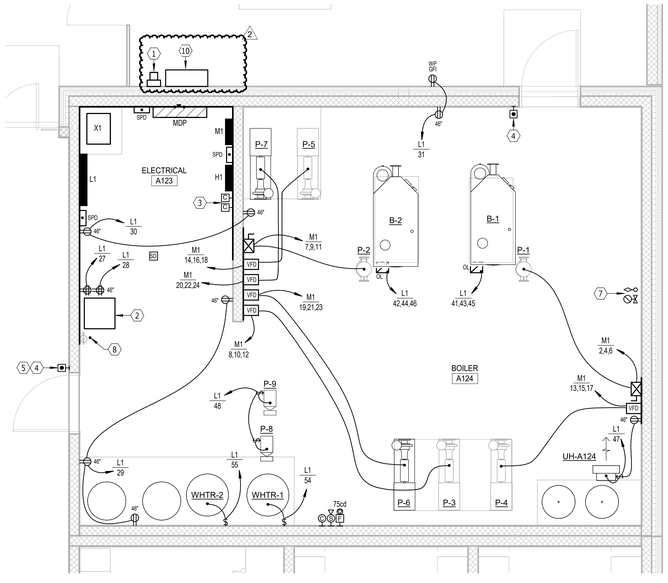

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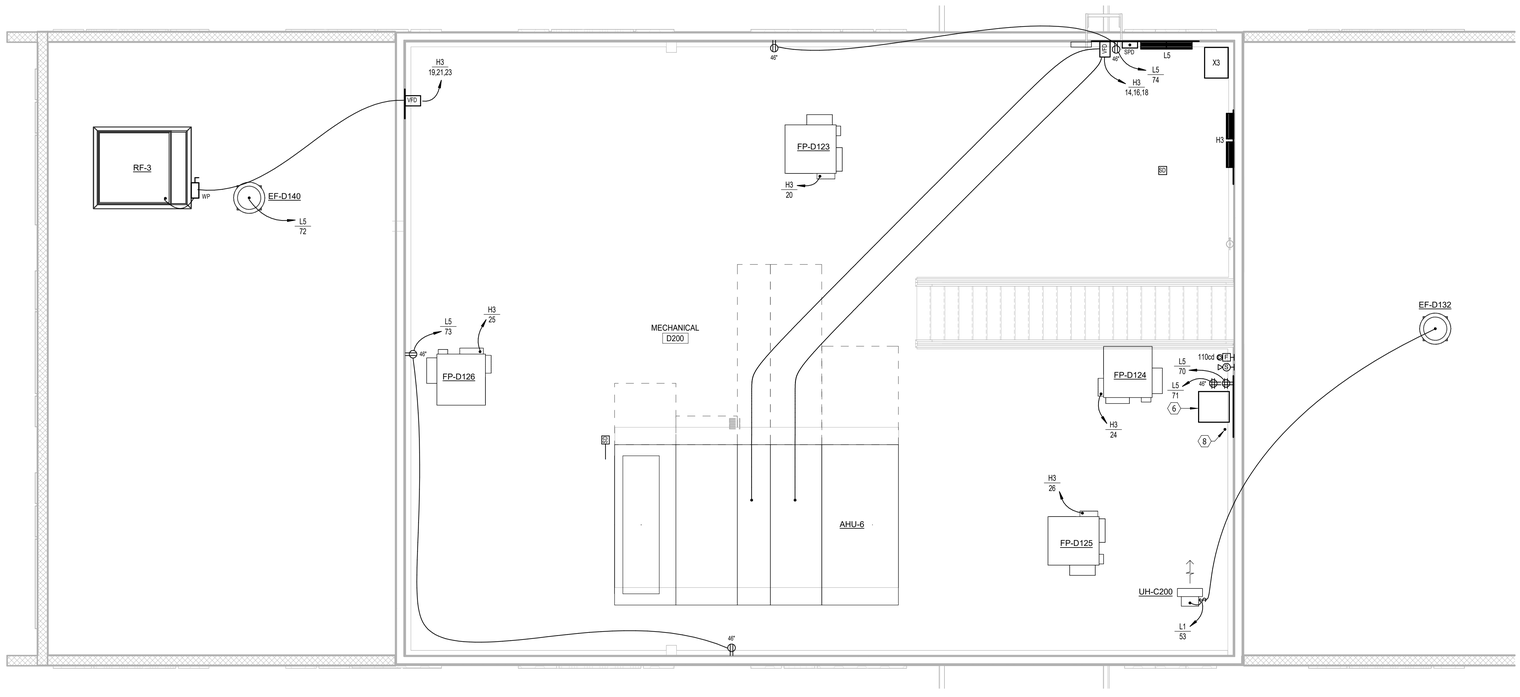

N ENLARGED MECHANICAL D200 - POWER & SIGNAL
SCALE 0 2 4 6 8

ELECTRICAL NOTES

1. ELECTRIC UTILITY METER.
2. COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (IDF) LOCATION. PROVIDE A 6 STRAND MULTI-MODE FIBER-OPTIC CABLE (DATA) AND 1 EACH 25 PAIR CATEGORY 5E (VOICE) BACKBONE CABLES TO THE MDF.
3. EXTERIOR LIGHTING CONTROL CONTACTORS "ELC1" (5 POLES), AND "ELC2" (3 POLES), PROVIDE HOA'S. CONTROL BY THE BUILDING AUTOMATION SYSTEM, COORDINATE COIL VOLTAGE.
4. BOILER EMERGENCY OFF MUSHROOM HEAD PUSHBUTTON SWITCH.
5. PROVIDE PROTECTIVE COVER SIMILAR TO STI 13020CR.
6. COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (IDF) LOCATION. PROVIDE A 6 STRAND MULTI-MODE FIBER-OPTIC CABLE (DATA) AND 2 EACH 25 PAIR CATEGORY 5E (VOICE) BACKBONE CABLES TO THE MDF.
7. VERIFY QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER CONTRACTOR.
8. GROUND BUS AND CONDUCTOR, SEE SPECIFICATIONS.
9. PROVIDE UNISTRUT/BACKBOARD ASSEMBLY AS REQUIRED FOR MOUNTING.
10. CT CABINET BY EC, CT'S BY BAS CONTRACTOR.

GENERAL SHEET NOTES

A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-INS FOR ACCESS CONTROL SYSTEM DEVICES. DEVICES INCLUDE CARD READERS, DOOR STRIKES, ELECTRIC PANEL HARDWARE AND DOOR POSITION SWITCHES. COORDINATE REQUIREMENTS WITH THE OWNER'S SECURITY SYSTEM SUPPLIER AND THE DOOR HARDWARE SUPPLIER.

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project: BRANDON VALLEY ELEMENTARY SCHOOL

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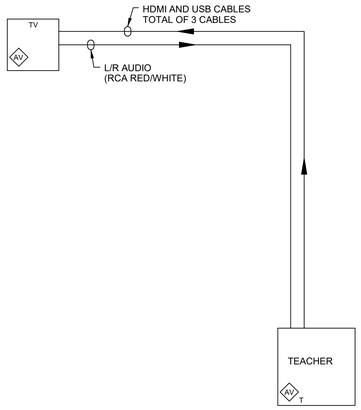
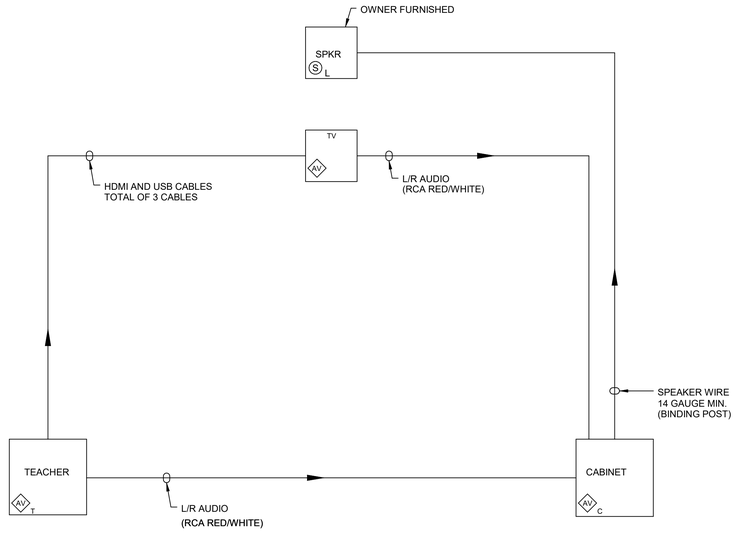
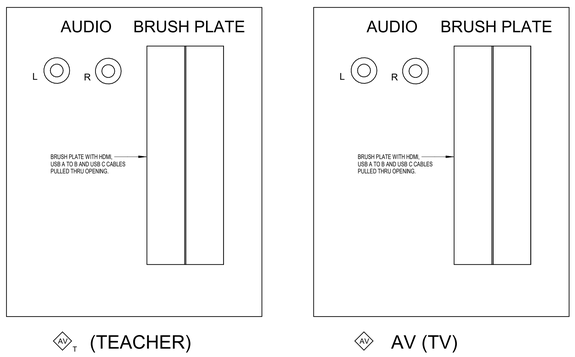


TYPICAL CLASSROOM (WITHOUT CABINET) A/V BLOCK DIAGRAM
NO SCALE



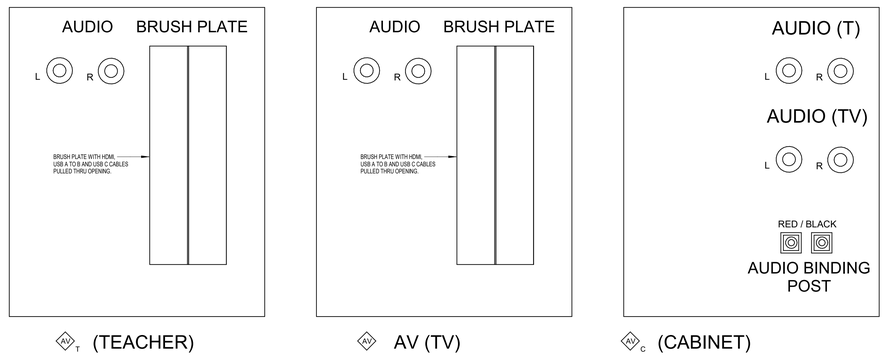
TYPICAL CLASSROOM (WITH CABINET) A/V BLOCK DIAGRAM
NO SCALE

* A/V OUTLET ROUGH-IN SHALL CONSIST OF HUBBEL HBL 985 BOX WITH A 1.5" CONDUIT TO ACCESSIBLE CEILING SPACE.



TYPICAL CLASSROOM (WITHOUT CABINET) FACE PLATE DETAIL
NO SCALE

* EACH A/V OUTLET ROUGH-IN SHALL CONSIST OF HUBBEL HBL 985 BOX WITH A 1.5" CONDUIT TO ACCESSIBLE CEILING SPACE.



TYPICAL CLASSROOM (WITH CABINET) FACE PLATE DETAIL
NO SCALE

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project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: ELECTRICAL DETAILS

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DATE	DESCRIPTION
8-1-24	Addendum #3

9.56

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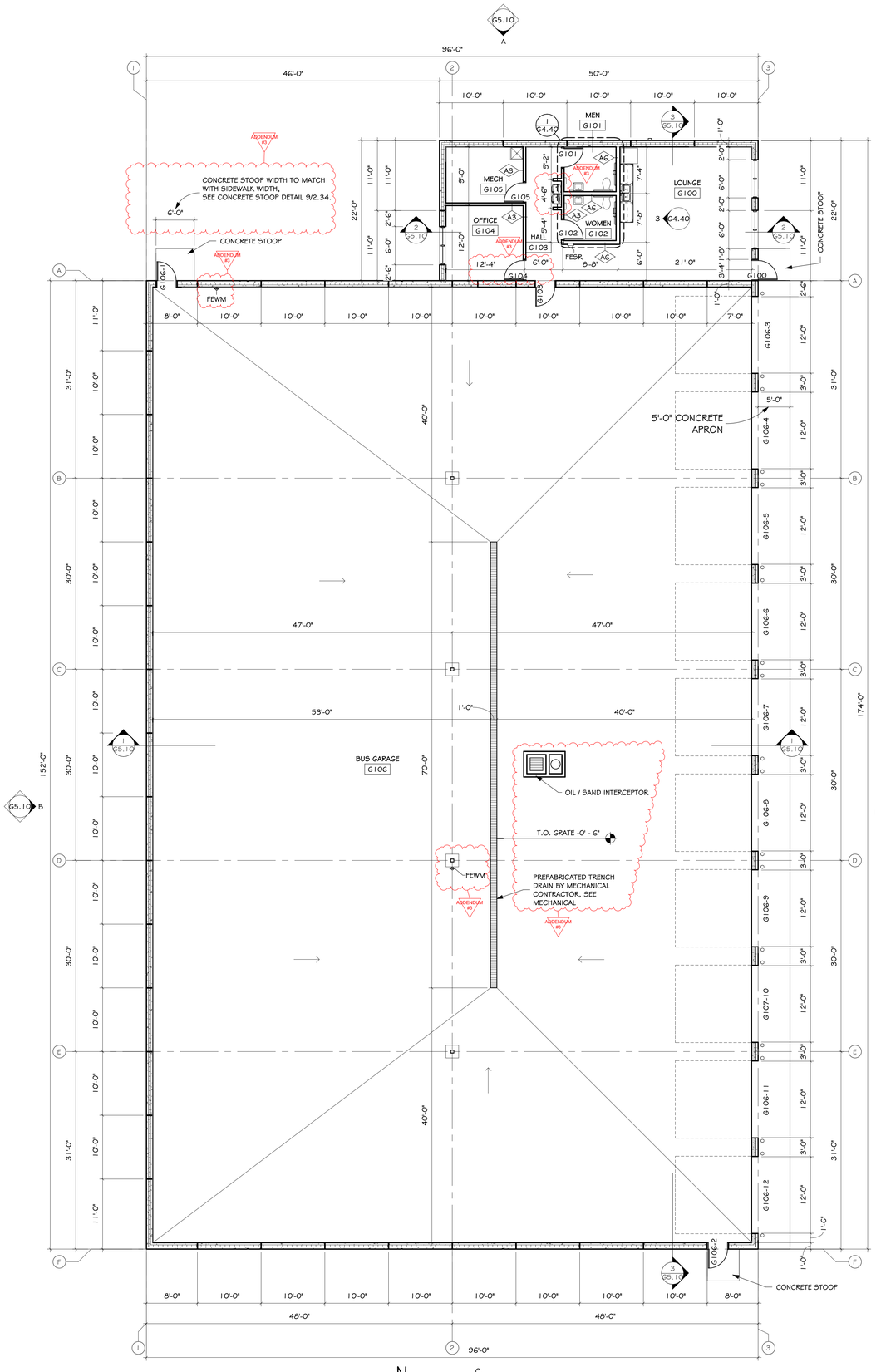
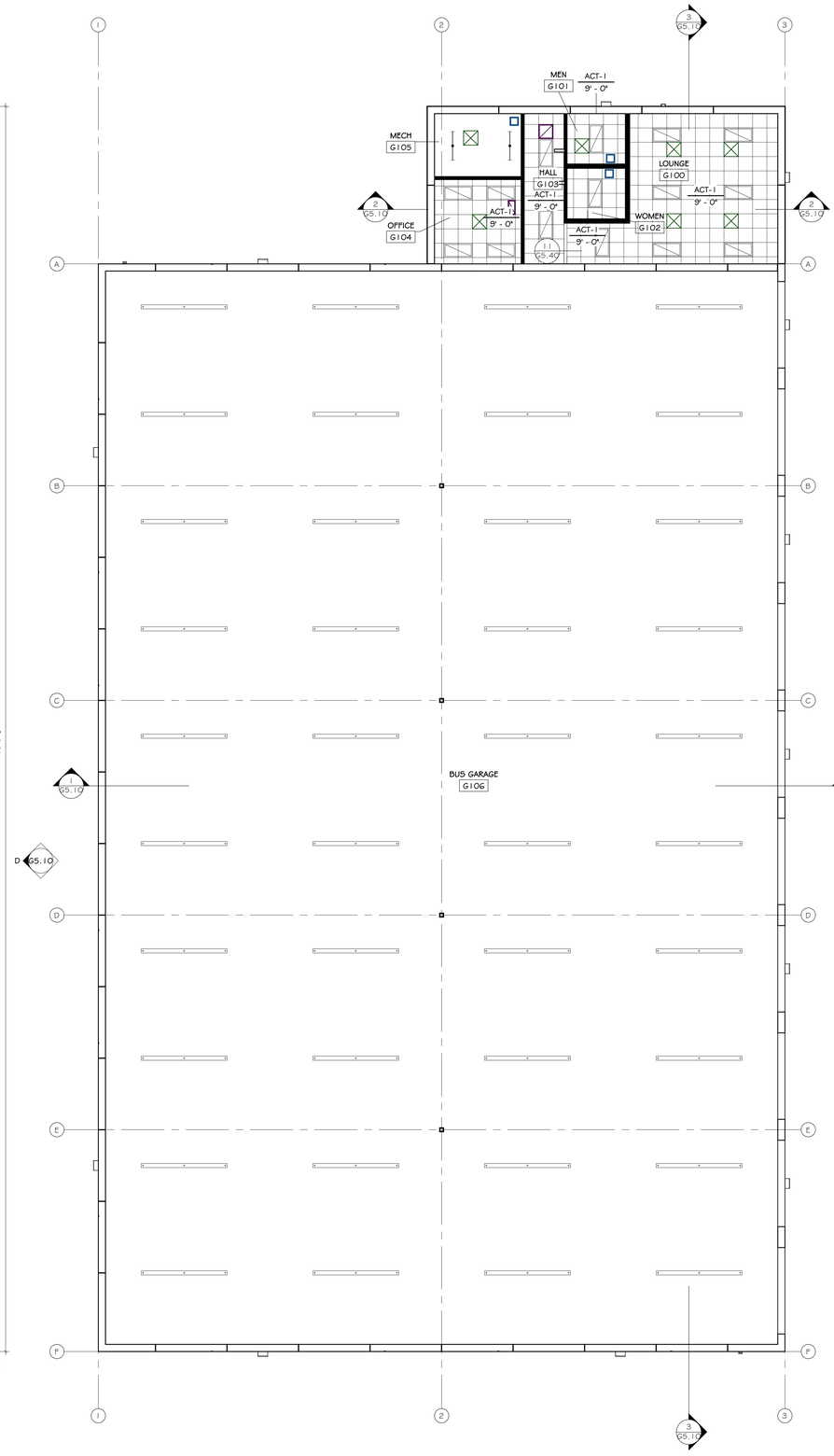


FLOOR PLAN - ADD ALTERNATE #1

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



REFLECTED CEILING PLAN - ADD ALTERNATE #1

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

GENERAL NOTES - FLOOR PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
B. REFER TO SHEET G1.20 FOR WALL TYPES.

GENERAL NOTES - REFLECTED CEILING PLAN

A. GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY ARCHITECT OF DISCREPANCIES.
B. SUSPENDED CEILING TO BE CENTERED WITH BALANCE GRID DESIGN WITH EDGE UNITS NO LESS THAN 50% OF THE TILE SIZE.
C. ALL BULKHEAD AND SOFFITS SHALL EXTEND 2 INCHES BELOW ADJACENT CEILING HEIGHT UNLESS NOTED OTHERWISE.
D. REFLECTED CEILING PLANS SHOW LOCATIONS OF ITEMS THAT ARE ARCHITECTURALLY SIGNIFICANT ONLY. MECHANICAL AND ELECTRICAL ITEMS INDICATED ARE FOR REFERENCE ONLY. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS.
E. PAINT HORIZONTAL AND VERTICAL FACES OF SOFFITS SPECIFIED PAINT COLOR, UNLESS NOTED OTHERWISE. REFER TO RCP FOR PAINT COLOR.
F. ALL GYPSUM BOARD CEILINGS TO BE PAINTED SPECIFIED ROOM COLOR, UNLESS NOTED OTHERWISE.
G. REFER TO REFLECTED CEILING PLAN FOR CEILING / SOFFIT ELEVATIONS.

GENERAL NOTES - FINISH PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY ARCHITECT OF DISCREPANCIES.
B. INSTALL BLOCKING AS REQUIRED IN PARTITIONS TO RECEIVE MILLWORK, COUNTERTOPS, SHELVING, VISUAL DISPLAY BOARDS, SMART BOARDS, AND WALL-MOUNTED EQUIPMENT.
C. PROVIDE FLOOR TRANSITION STRIPS IN LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIAL. REFER TO TYPICAL TRANSITION STRIP DETAILS. ALL TRANSITIONS TO BE CENTERED UNDER DOOR IN CLOSED POSITION UNLESS NOTED OTHERWISE.
D. FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR AND WALL PLANS, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
E. REFER TO DRAWING 4.40 FOR TILE PATTERNS.

FLOOR AND WALL FINISH SYMBOLS

	FLOOR PATTERN INSTALLATION DIRECTION
FRP-1	FINISH LABEL
- - - - - - -	WALL OR BASE START/STOP INDICATOR
———	FLOOR TRANSITION STRIP

ROOM FINISH NOTES

a. MULTIPLE WALL FINISHES. REFER TO FINISH PLAN AND INTERIOR ELEVATIONS.
b. TILE WAINSCOT ON ALL WALLS TO 5'-0" A.F.F., UNO. CAP WITH METAL TRIP AT TOP AND PAINT EPNT-1 ABOVE.

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	NOTES
G100	LOUNGE	SCONC	RB-1	PNT-1	ACT-1	
G101	MEN	T-1	T-3	T-3 / EPNT-1	ACT-1	a, b
G102	WOMEN	T-1	T-3	T-3 / EPNT-1	ACT-1	a, b
G103	HALL	SCONC	RB-1	PNT-1	ACT-1	
G104	OFFICE	SCONC	RB-1	PNT-1	ACT-1	
G105	MECH	SCONC	--	PNT-1	--	
G106	BUS GARAGE	SCONC	--	EPNT-1	--	

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project: BRANDON VALLEY ELEMENTARY SCHOOL

sheet contents: BUS GARAGE FLOOR & CEILING PLANS & FINISH SCHEDULE (ADD ALTERNATE #1)

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drawn MS checked SRJ

DATE	DESCRIPTION
8-2-2024	ADDENDUM #3

G4.10

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PANELBOARD: LB

LOCATION: LOUNGE G100
MOUNTING: RECESSED NEMA1
MAIN DEVICE: 300 A MAIN CB
BUS AMPS: 300 AMPS

VOLTAGE: 120/240 V. 1 ø 3 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		CKT	POLES	BKR	LOAD DESCRIPTION
RCPT MECH G105	20 A	1	1	1.0	0.4			2	1	20 A	RCPT MECH G105
HEAT F-1	15 A	1	3			1.0	2.8	4	2	30 A	HEAT WHTR-3
RCPT BUS GARAGE G106	20 A	1	5	1.2	2.8			6	--	--	--
RCPT LOUNGE G100	20 A	1	7			0.8	0.1	8	1	15 A	EF-G102
RCPT LOUNGE G100	20 A	1	9	0.4	1.2			10	1	20 A	RCPT BUS GARAGE G106
MOTORS BUS GARAGE G106	20 A	1	11			0.9	0.5	12	1	20 A	RCPT LOUNGE G100
MOTORS BUS GARAGE G106	20 A	1	13	1.0	1.2			14	1	20 A	MOTORS BUS GARAGE G106
MOTORS BUS GARAGE G106	20 A	1	15			0.9	0.9	16	1	20 A	MOTORS BUS GARAGE G106
MOTORS BUS GARAGE G106	20 A	1	17	1.0	0.9			18	1	20 A	MOTORS BUS GARAGE G106
MOTORS BUS GARAGE G106	20 A	1	19			1.2	0.9	20	1	20 A	MOTORS BUS GARAGE G106
MOTORS GUH-1	15 A	1	21	0.4	0.9			22	1	20 A	MOTORS BUS GARAGE G106
RCPT BUS GARAGE G106	20 A	1	23			0.4	0.4	24	1	15 A	MOTORS GUH-2
MOTORS EF-G106B	20 A	1	25	1.1	1.1			26	1	20 A	MOTORS EF-G106A
RCPT BUS GARAGE G106	20 A	1	27			0.5	1.1	28	1	20 A	MOTORS EF-G106C
CO/NO2 PANEL	20 A	1	29	0.0	0.4			30	1	20 A	RCPT LOUNGE G100
RCPT BUS GARAGE G106	20 A	1	31			0.5	0.4	32	1	20 A	RCPT BUS GARAGE G106
RCPT BUS GARAGE G106	20 A	1	33	0.7	0.5			34	1	20 A	RCPT BUS GARAGE G106
MOTORS GUH-4	15 A	1	35			0.4	0.4	36	1	15 A	MOTORS GUH-3
MOTORS CU-2	30 A	2	37	1.8	0.4			38	1	15 A	MOTORS GUH-5
--	--	--	39			1.8	1.2	40	1	20 A	LITES BUS GARAGE G106
LITES BUS GARAGE G106	20 A	1	41	2.0	0.8			42	1	20 A	LITES BUS GARAGE G106
LITES EXTERIOR	20 A	1	43			1.2	0.6	44	1	20 A	LITES LOUNGE G100
FIRE ALARM CONTROL PANEL	20 A	1	45	0.5	0.0			46	1	20 A	Spare
Spare	20 A	1	47			0.0	0.0	48	1	20 A	Spare
Spare	20 A	1	49	0.0	0.0			50	1	20 A	Spare
Spare	20 A	1	51			0.0	0.0	52	2	30 A	SURGE PROTECTION
Spare	20 A	1	53	0.0	0.0			54	--	--	--
		TOTAL LOAD:		21 kVA		18 kVA					
		TOTAL AMPS:		173 A		150 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED
Lighting	0 VA	0.00%	0 VA
RCPT	10321 VA	98.44%	10161 VA
MOTORS	17358 VA	100.00%	17358 VA
LITES	5718 VA	125.00%	7147 VA
HEAT	6630 VA	100.00%	6630 VA

PANEL TOTALS	
CONNECTED LOAD:	38724 VA
ESTIMATED DEMAND:	39933 VA
CONNECTED CURRENT:	161 A
EST. DEMAND CURRENT:	166 A

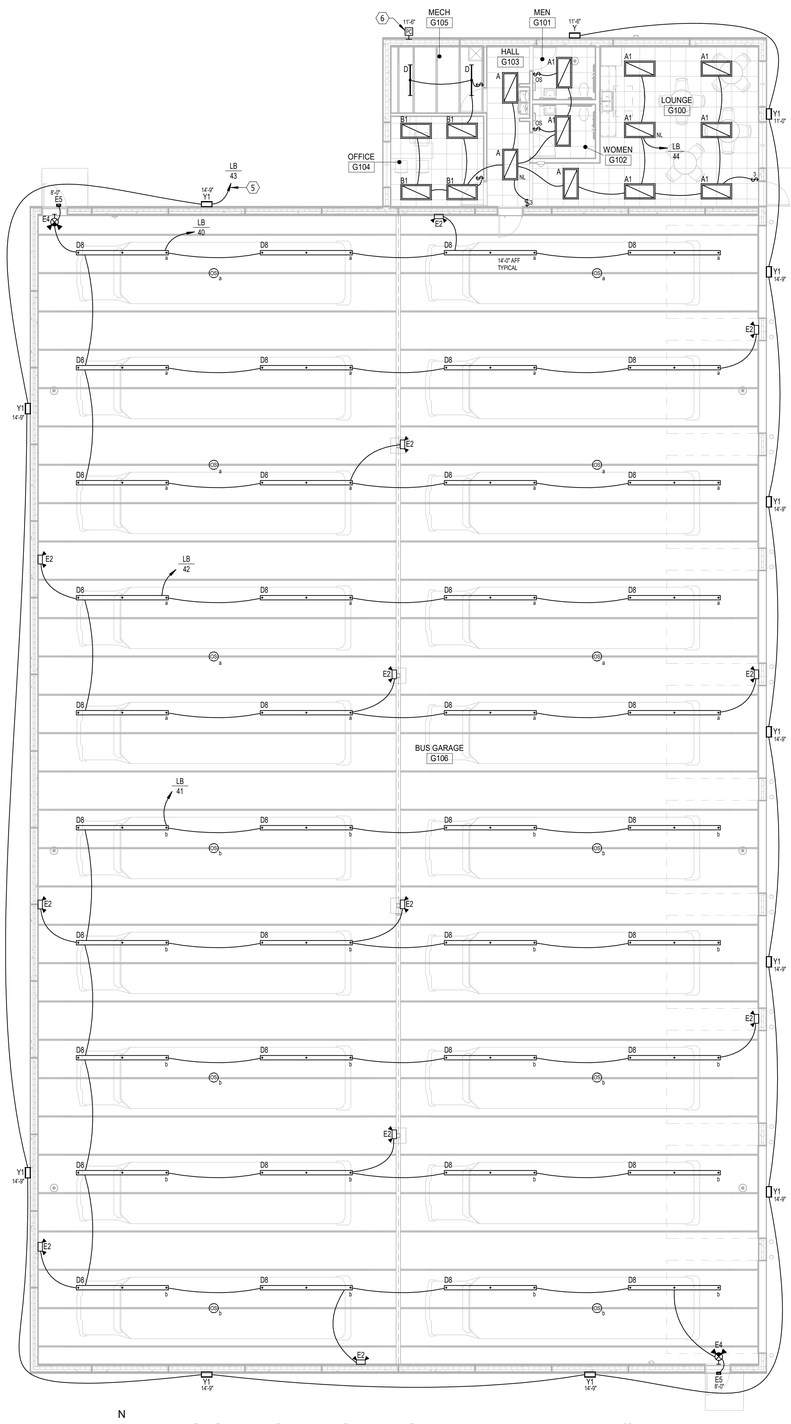
NOTES:
1. GFI CIRCUIT BREAKER

ELECTRICAL NOTES

1. RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
2. VERIFY QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER CONTRACTOR.
3. LOCATE FIRE ALARM NOTIFICATION DEVICE ON BOTTOM OF JOIST, TYPICAL.
4. EXTERIOR LIGHTING CONTROL CONTACTOR "ELCBB" (3 POLES), PROVIDE HOA. CONTROL BY THE BUILDING AUTOMATION SYSTEM, COORDINATE COIL VOLTAGE.
5. VIA EXTERIOR LIGHTING CONTRACTOR "ELCBB".
6. TO CONTACTOR "ELCBB" FOR CONTROL.
7. WALL MOUNTED COMMUNICATIONS & DATA-PROCESSING EQUIPMENT RACK (IDF). PROVIDE GROUND BUS AND CONDUCTOR.
8. PROVIDE A 12 STRAND OM4, OSP, MULTI-MODE FIBER-OPTIC CABLE (IN A 3" CONDUIT) TO THE MDF IN THE SCHOOL.

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES EXTENSIVE COORDINATION WITH OTHER TRADES. THE CONTACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATIO OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.



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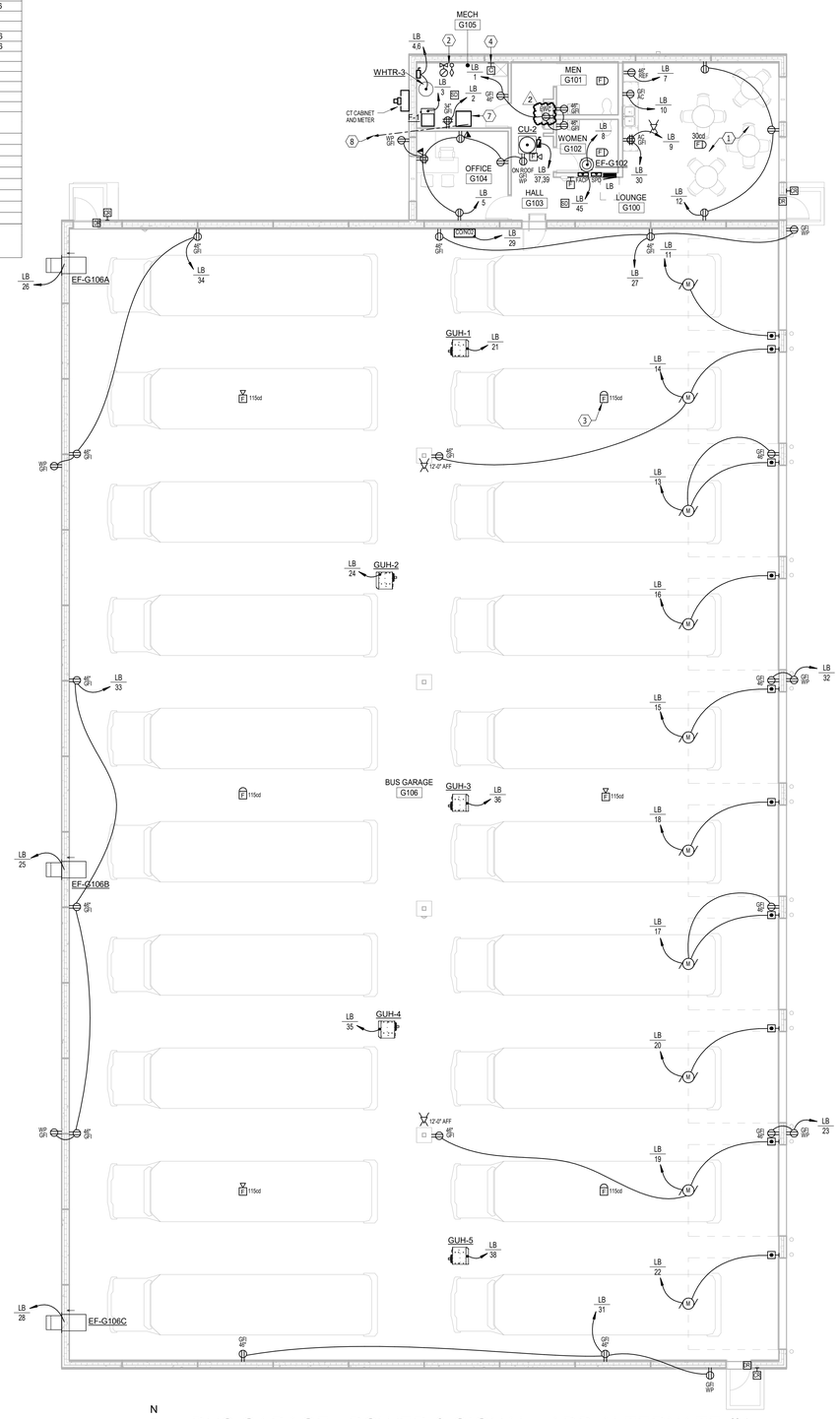
BUS GARAGE - LIGHTING - ADD ALTERNATE #1
SCALE 0 4 8 12 16



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BUS GARAGE - POWER & SIGNAL - ADD ALTERNATE #1
SCALE 0 4 8 12 16

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project: **BRANDON VALLEY ELEMENTARY SCHOOL**
sheet contents: **BUS GARAGE FLOOR PLAN - ELECTRICAL - ADD ALTERNATE #1**

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7-26-24	Addendum #2
8-1-24	Addendum #3

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