Initial Plan Submittal Approved 04/06/18 BLD1801-0068
Approved
Division of Building Safety

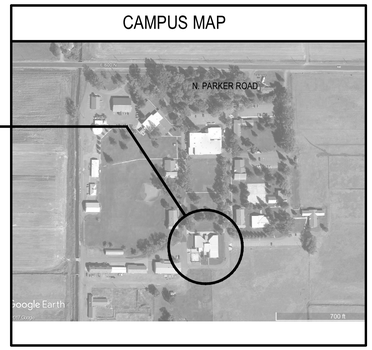
DPW PROJECT No. 18-533

DEPARTMENT OF JUVENILE CORRECTIONS

OWYHEE COTTAGE ROOF & CONCRETE REPAIR

2220 EAST 600 NORTH
ST. ANTHONY, IDAHO 83445

CAMPUS MAP



PROJECT LOCATION

VICINITY MAP

DRAWING INDEX

DESIGN TEAM

ARCHITECT: JAMES WYATT, A.I.A.
NBW ARCHITECTS, P.A.
P.O. BOX 2212
IDAHO FALLS, IDAHO 83203
TELEPHONE: (208) 522-8779
FAX: (208) 522-8785

STRUCTURAL ENGINEER:
G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
TELEPHONE: (208) 523-6922

ELECTRICAL ENGINEER: MATT BRADLEY
BRADLEY ENGINEERING INC.
P.O. BOX 2556
IDAHO FALLS, IDAHO 83203
TELEPHONE: (208) 523-2862
FAX: (208) 523-2864

SYMBOLS LEGEND

DETAIL — SCALE: ?" = 1'-0" — DETAIL NUMBER / DETAIL TITLE TAG / PAGE NUMBER
HEAD — SCALE: ?" = 1'-0" — DETAIL NUMBER / HEAD DETAIL TAG / PAGE NUMBER
JAMB — SCALE: ?" = 1'-0" — DETAIL NUMBER / JAMB DETAIL TAG / PAGE NUMBER
SECTION — SCALE: ?" = 1'-0" — DETAIL NUMBER / SECTION TITLE TAG / PAGE NUMBER
SILL — SCALE: ?" = 1'-0" — DETAIL NUMBER / SILL DETAIL TAG / PAGE NUMBER
TITLE — SCALE: ?" = 1'-0" — MAIN TITLE TAG
ELEV. 100'-0" / FINISHED FLOOR — ELEVATION HEIGHT TAG

BREAK LINE
SECTION NUMBER / BUILDING SECTION TAG / PAGE NUMBER
DETAIL NUMBER / DETAIL TAG / PAGE NUMBER
DRAWING NOTE
NORTH ARROW

REVISION TAG
ROOM — ROOM NAME / ROOM NAME TAG / ROOM NUMBER
DOOR TAG
WINDOW TAG
WALL TYPE

Authorization to Bid

State of Idaho Division of Public Works

Des: ID Dept of Juvenile Corrections - Roof And Concrete Repair - 2220 East 600 North St. Anthony
DPW18-533
Date: 4/6/2018

LICENSED ARCHITECT AR-98339 JAMES WYATT STATE OF IDAHO 03-26-18

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
9560 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
OFF (208) 522-8779 (F) (208) 522-8785 (E) nbwarchitects.com

DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

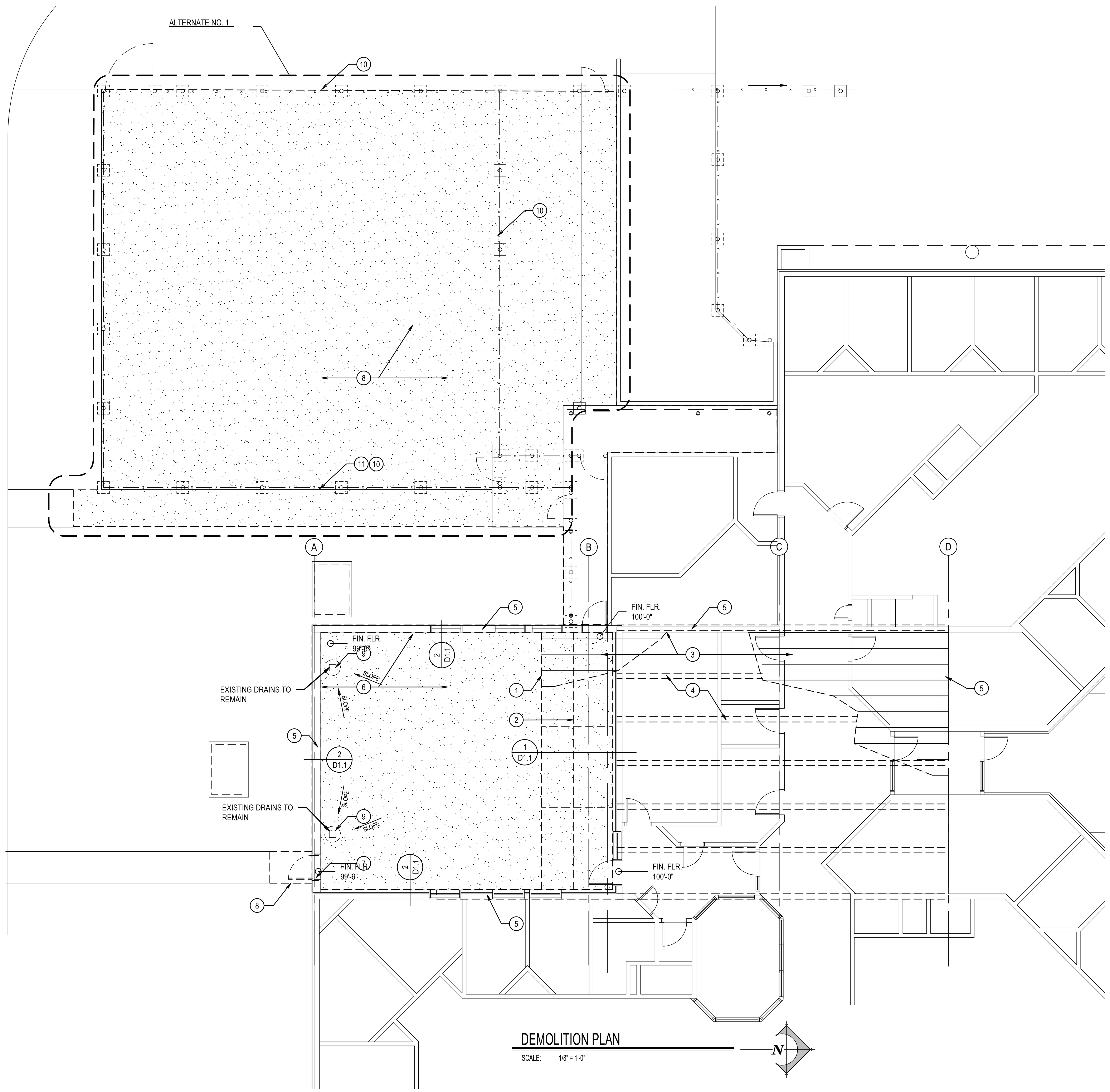
PROJECT:
SHEET TITLE: TITLE SHEET

REVISIONS

PROJECT NO.: DPW 18533
DATE: MARCH 2018
DRAWN BY: CGK
CHECKED BY: JW

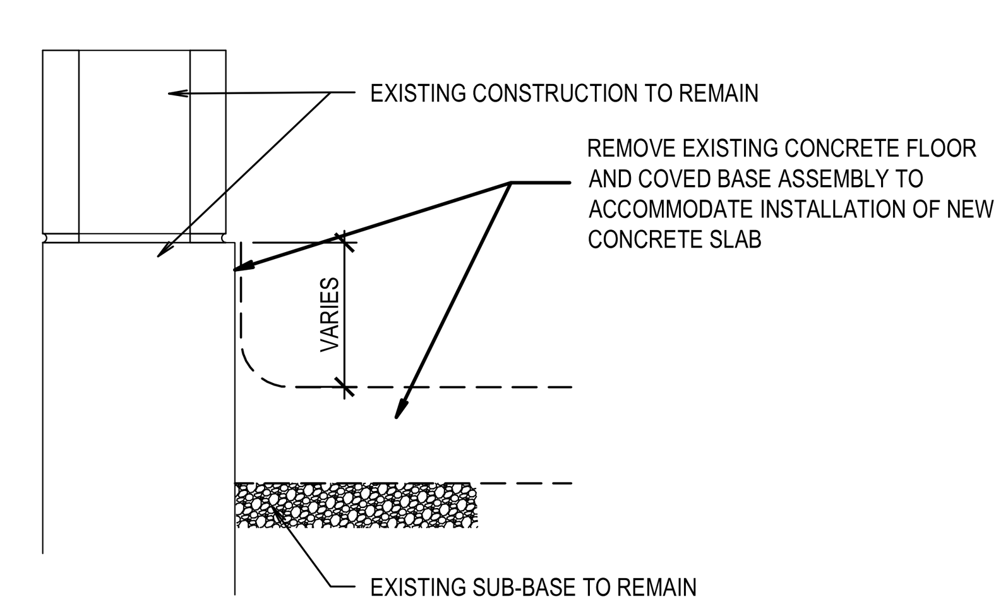
DRAWING NO.: TS1.0

Initial Plan
Submittal
Approved
04/06/18
BLD1801-00048
Approved



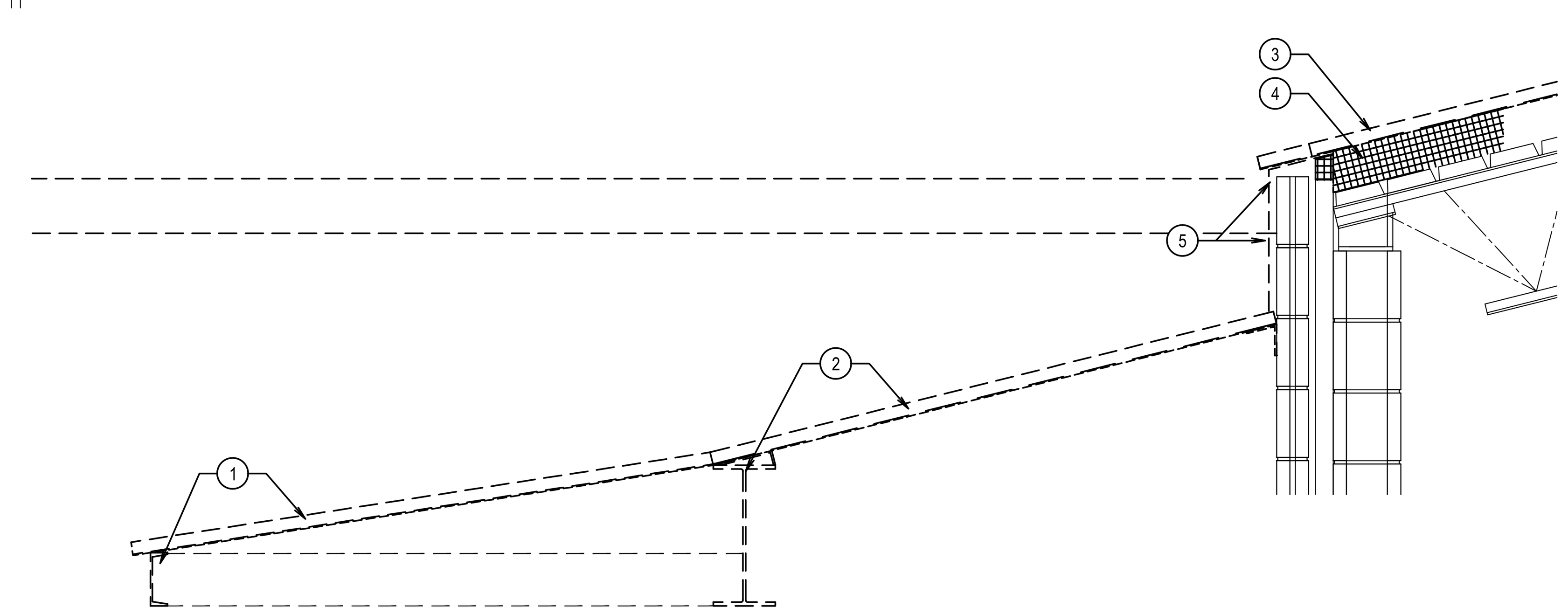
DEMOLITION PLAN

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



DETAIL 2/D1.1

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



DETAIL 1/D1.1

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

GENERAL NOTES

1. ALL WORK TO BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCESSIBILITY REQUIREMENTS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
3. REMOVE ALL DEBRIS FROM SITE AND DISPOSE OF AS REQUIRED BY LOCAL JURISDICTION HAVING AUTHORITY.
4. CONTRACTOR SHALL COMPLY WITH OWNER REQUIRED SECURITY REQUIREMENTS.
5. COORDINATE LAY DOWN AND STAGING AREA WITH OWNERS REPRESENTATIVE.

DEMOLITION KEYNOTES

EXISTING ITEMS - TO REMAIN

EXISTING ITEMS TO BE DEMOLISHED

1. REMOVE EXISTING METAL ROOF DECK AND ASSOCIATED STEEL CHANNEL ASSEMBLIES. REPAIR EXISTING WALL ASSEMBLY TO ACCOMMODATE NEW WALL FINISHES. SEE DETAIL A/D1.1
2. REMOVE EXISTING METAL DECK AND ADJACENT STEEL BEAM & ASSOCIATED CROSS MEMBER ASSEMBLY. REPAIR ADJACENT CMU WALL CONSTRUCTION TO ACCOMMODATE NEW WALL FINISHES. SEE DETAIL A/D1.1.
3. REMOVE EXISTING PRE-FINISHED METAL ROOFING OVER ENTIRE ROOF. REMOVE EXISTING METAL FLASHING AND NAILERS TO ACCOMMODATE NEW TRUSS WALL FRAMING AND NAILERS.
4. REMOVE PORTION OF EXISTING RIGID ROOF DECK INSULATION TO ACCOMMODATE INSTALLATION OF NEW TRUSS WALL FRAMING. SEE STRUCTURAL DRAWINGS.
5. REMOVE PORTION OF EXISTING PRE-FINISHED METAL ROOFING, EDGE FLASHING, RIGID ROOF DECK INSULATION AND NAILERS TO ACCOMMODATE INSTALLATION OF NEW TRUSS WALL ASSEMBLY.
6. REMOVE EXISTING CONCRETE FLOOR AND COVED BASE ASSEMBLY TO ACCOMMODATE INSTALLATION OF NEW CONCRETE SLAB.
7. REMOVE EXISTING HOLLOW METAL DOOR AND FRAME ASSEMBLY TO ACCOMMODATE NEW DOOR AND FRAME.
8. REMOVE EXISTING CONCRETE SLAB ASSEMBLY TO ACCOMMODATE INSTALLATION OF NEW CONCRETE SLAB.
9. EXISTING DRAIN ASSEMBLY TO REMAIN.
10. EXISTING FENCING TO REMAIN.
11. REMOVE EXISTING FENCING TO ACCOMMODATE INSTALLATION OF NEW CONCRETE SLAB CONSTRUCTION THEN RE-INSTALL FENCING

LICENSED ARCHITECT AR-92339
03-26-18
JAMES WYATT
STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
990 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8785 (W) nbwarchitects.com

PROJECT:
DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

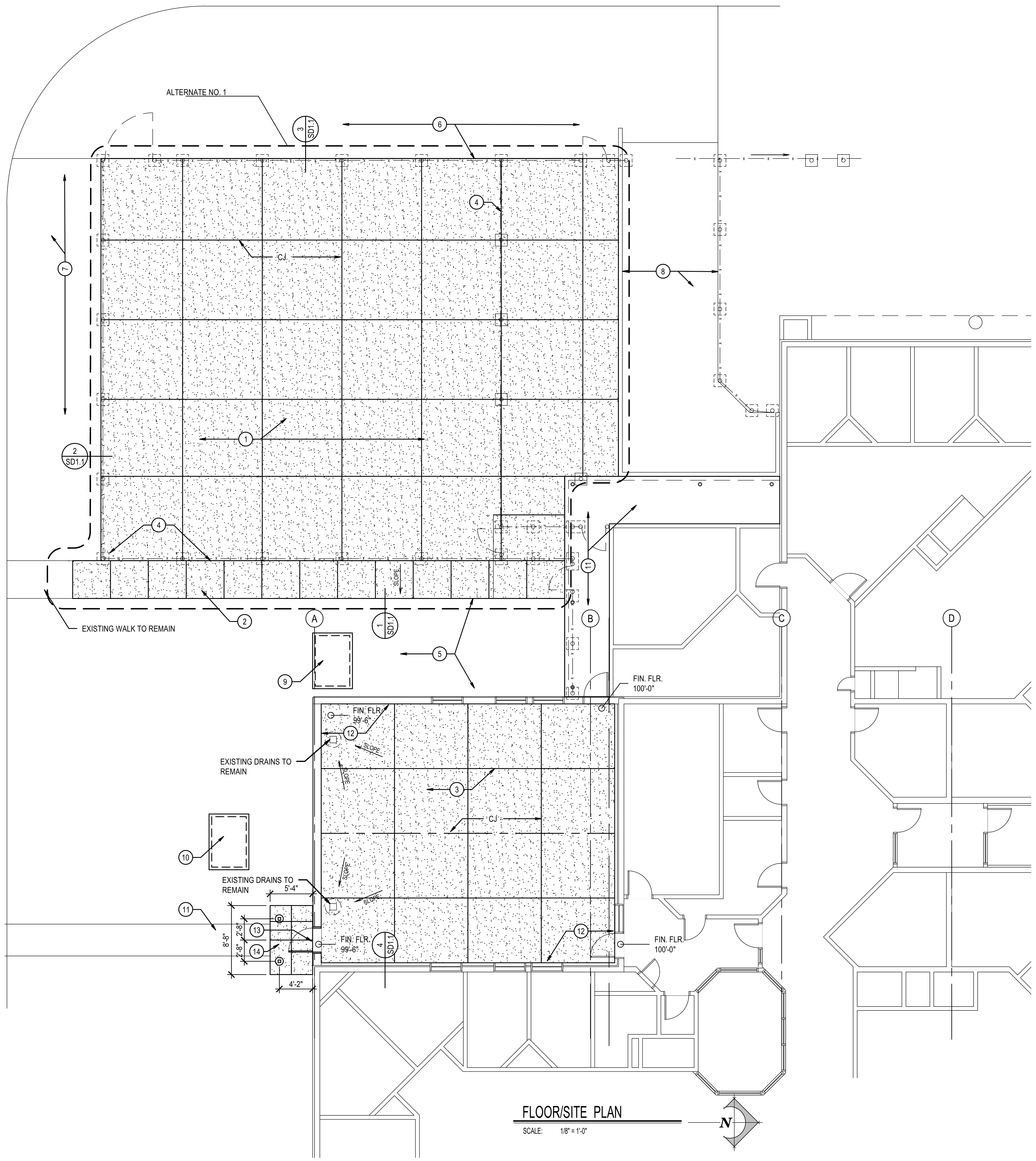
SHEET TITLE:
DEMOLITION PLAN

REVISIONS

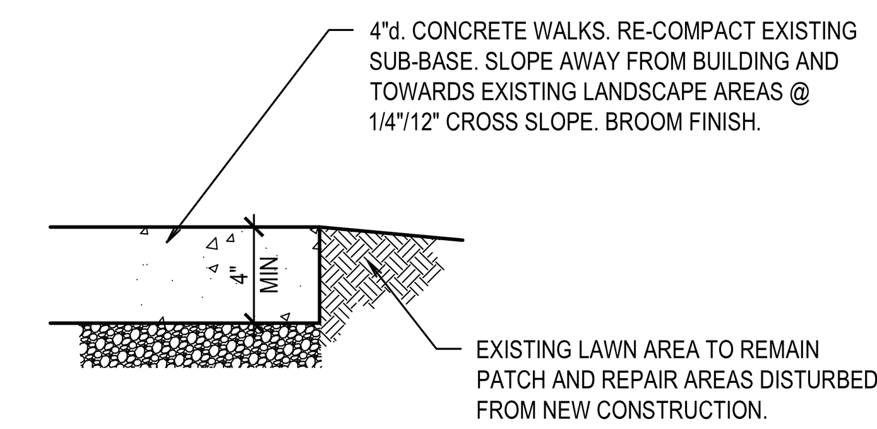
PROJECT NO.
DPW 18533
DATE:
MARCH 2018
DRAWN BY:
CGK
CHECKED BY:
JW

DRAWING NO.:
D1.1

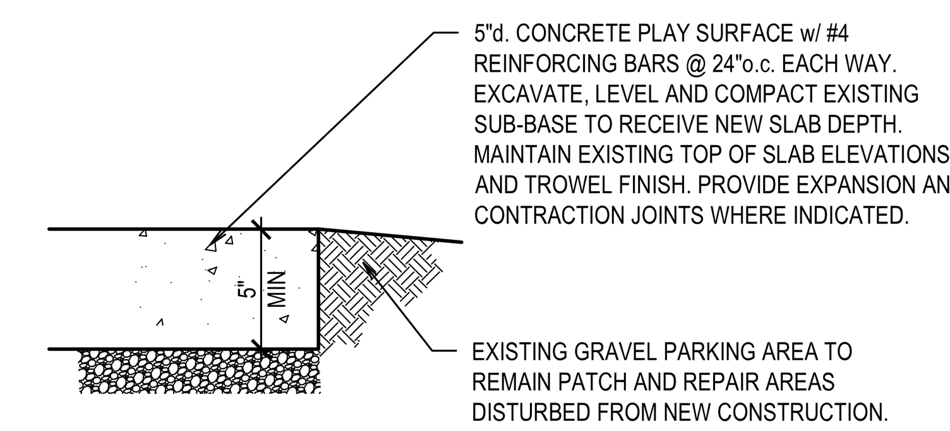
Initial Plan Submittal Approved 04/06/18 BLD1801-00016
Approved



FLOOR/SITE PLAN
SCALE: 1/8" = 1'-0"



DETAIL 1 / SD1.1
SCALE: 1 1/2" = 1'-0"



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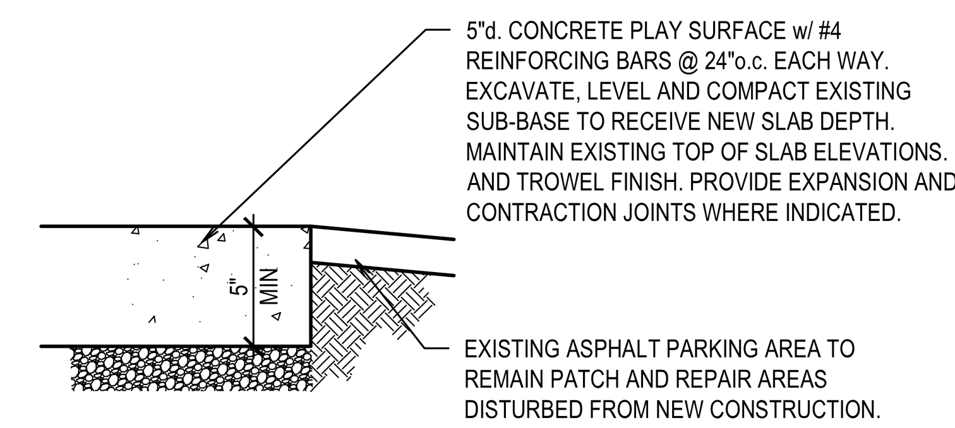

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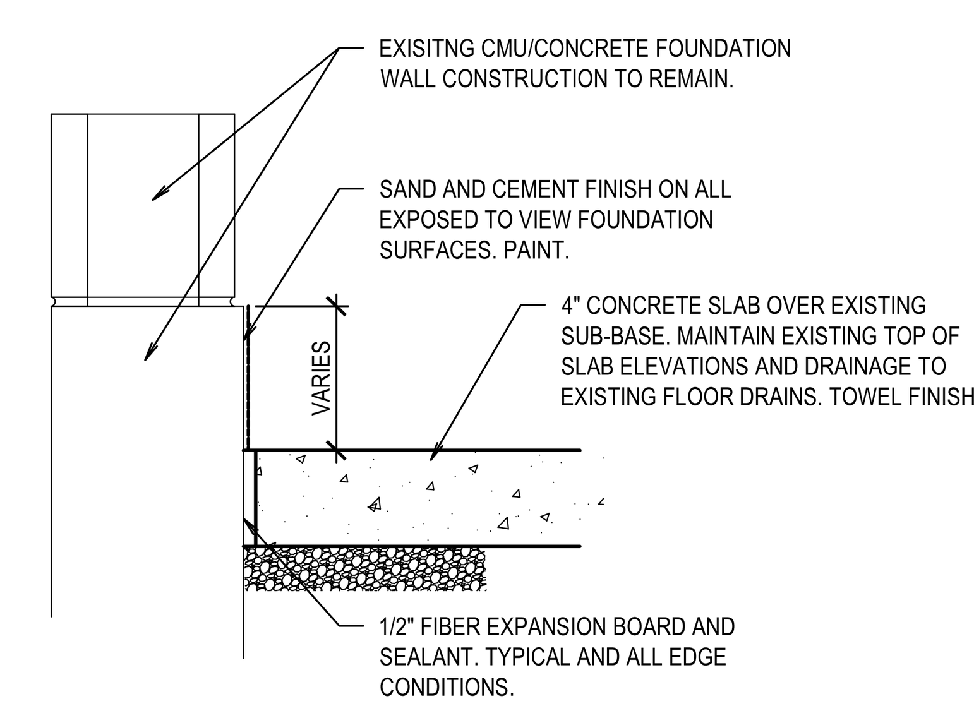


DETAIL 4 / SD1.1
SCALE: 1 1/2" = 1'-0"

GENERAL SITE/FLOOR PLAN NOTES

1. ALL WORK TO BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCESSIBILITY REQUIREMENTS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
3. REMOVE ALL DEBRIS FROM SITE AND DISPOSE OF AS REQUIRED BY LOCAL JURISDICTION HAVING AUTHORITY.
4. CONTRACTOR SHALL COMPLY WITH OWNER REQUIRED SECURITY REQUIREMENTS.
5. COORDINATE LAY DOWN AND STAGING AREA WITH OWNERS REPRESENTATIVE.

KEYNOTES

1. 5"d. CONCRETE PLAY SURFACE w/ #4 REINFORCING BARS AT 24" o.c. EACH WAY. EXCAVATE, LEVEL AND COMPACT EXISTING SUB-BASE TO RECEIVE NEW SLAB DEPTH. MAINTAIN EXISTING TOP OF SLAB ELEVATIONS. TROWEL FINISH. PROVIDE EXPANSION AND CONSTRUCTION JOINTS WHERE INDICATED. PATCH AND REPAIR ADJACENT SURFACES AS REQUIRED FOR NEW LIKE CONDITIONS. THIS AREA TO BE INCLUDED UNDER ALTERNATE NO. 1 CONDITIONS. .
2. 4"d. CONCRETE WALKS. RE-COMPACT EXISTING SUB-BASE. SLOPE WALKS AWAY FROM BUILDING AND TOWARDS LANDSCAPE AREAS @ 1/4:12 CROSS SLOPE. BROOM FINISH.
3. 4"d. CONCRETE SLAB OVER EXISTING SUB-BASE. SLOPE TO DRAINS AS INDICATED. TROWEL FINISH AND SEAL.
4. EXISTING FENCING TO REMAIN IN PLACE. WHERE FENCE POSTS ARE APPLIED TO TOP OF CONCRETE SLABS, DETACH AND RE-INSTALL MINIMUM OF 7 DAYS AFTER SLAB PLACEMENT.
5. EXISTING LANDSCAPE AREA TO REMAIN. PATCH AND REPAIR AREAS DISTURBED BY NEW CONSTRUCTION.
6. EXISTING ASPHALT PARKING AREA TO REMAIN PATCH AND REPAIR AREAS DISTURBED BY NEW CONSTRUCTION.
7. EXISTING GRAVEL SURFACE AREA TO REMAIN. PATCH AND REPAIR AREAS DISTURBED BY NEW CONSTRUCTION.
8. EXISTING CONCRETE DRIVE TO REMAIN.
9. EXISTING MECHANICAL UNITS REMAIN
10. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
11. EXISTING CONCRETE WALKS TO REMAIN.
12. PREPARE AND PAINT EXISTING EXPOSED CMU WALL SURFACE, EXISTING HOLLOW METAL WINDOW & DOOR FRAMES AND OTHER MISC. PAINTED EXPOSED TO VIEW ITEMS. WHERE EXISTING STEEL BEAM HAS BEEN REMOVED, PROVIDE NEW CMU INFILL SIMILAR TO ADJACENT CONSTRUCTION AND PAINT.
13. REPLACE EXISTING HOLLOW METAL DOOR PANEL AND PAINT. PREPARE NEW DOOR PANEL TO RECEIVE EXISTING DOOR HARDWARE.
14. NEW 4"d. CONCRETE WALKS AND LANDING. SLOPE AWAY FROM DOOR @ .25"/12". SEE STRUCTURAL FOR CANOPY COLUMN INFORMATION.

LICENSED ARCHITECT AR-92339
03-26-18
JAMES WYATT
STATE OF IDAHO

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
990 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8785 (W) nbwarchitects.com

PROJECT:
DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

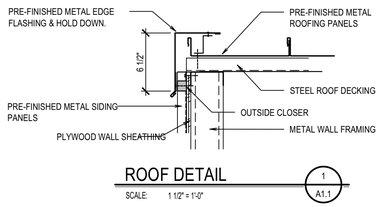
SHEET TITLE:
SITE PLAN

REVISIONS

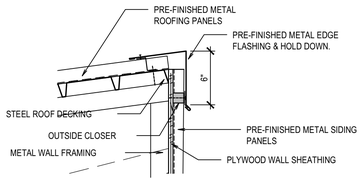
PROJECT NO.
DPW 18533
DATE:
MARCH 2018
DRAWN BY:
CGK
CHECKED BY:
JW

DRAWING NO.:
SD1.1

Initial Plan Submittal
Approved
04/06/18
BLD1801-0006
Approved
Ada County Development Services



ROOF DETAIL 1 / A1.1
SCALE: 1 1/2" = 1'-0"



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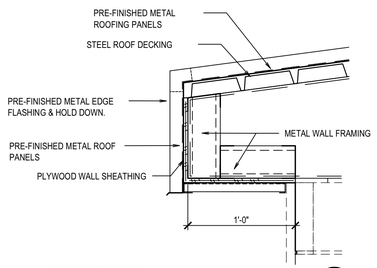

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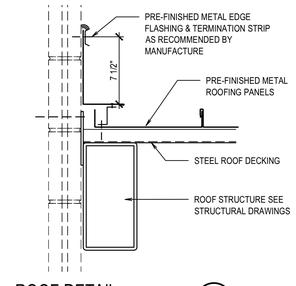

ROOF DETAIL 4 / A1.1
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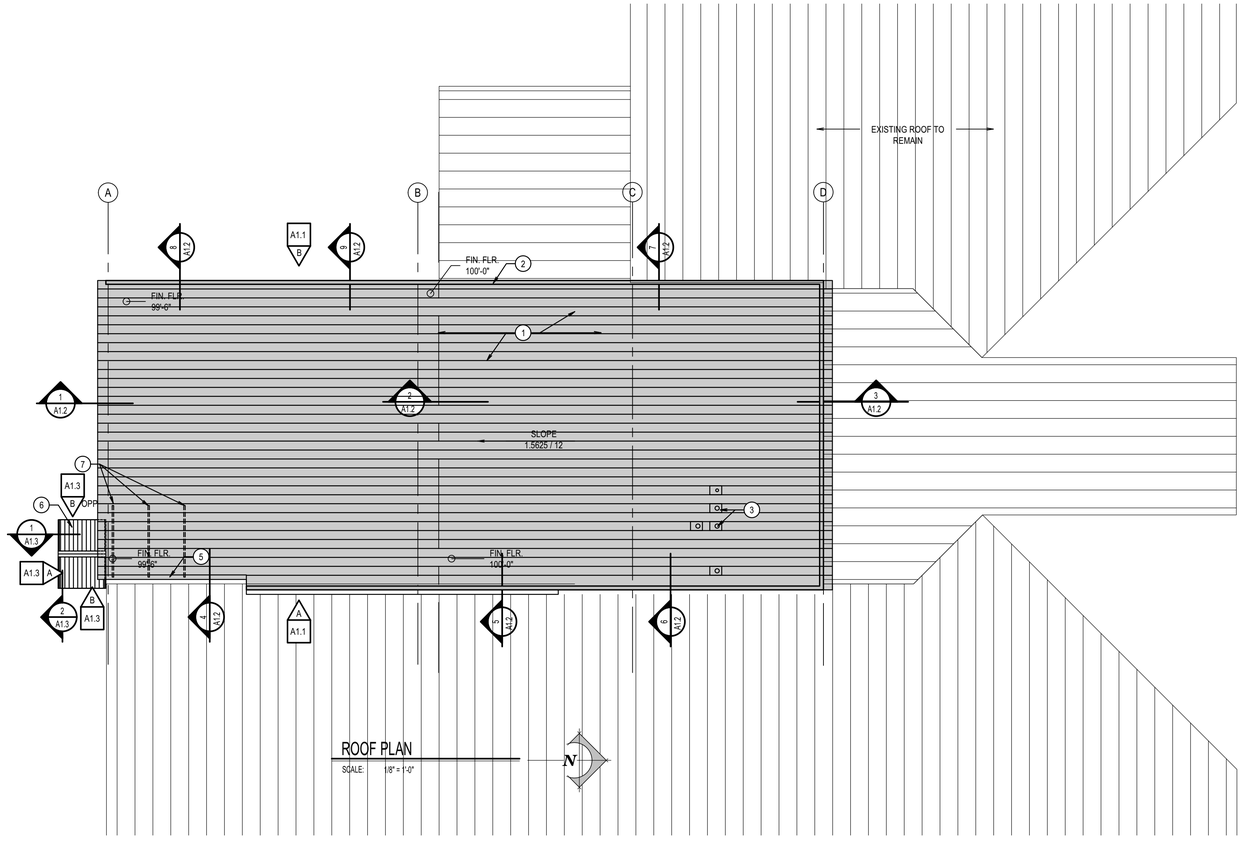
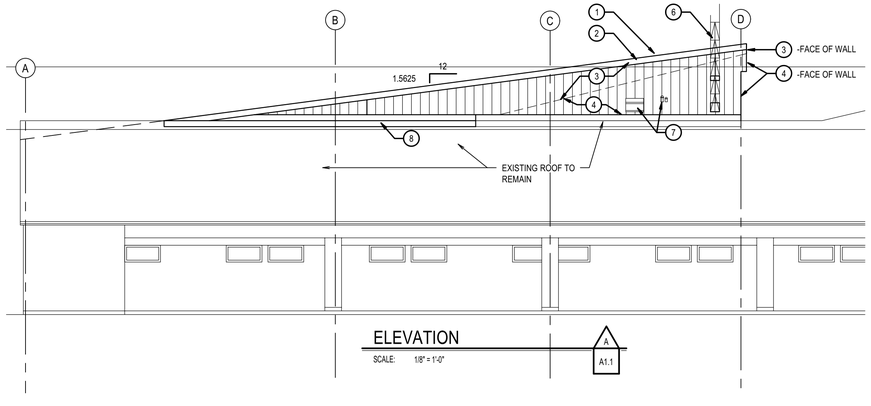
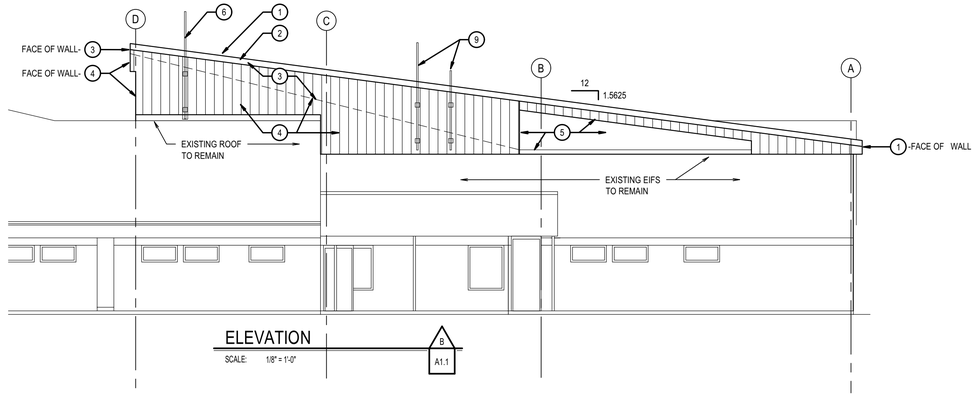


ROOF PLAN
SCALE: 1/8" = 1'-0"



ELEVATION A / A1.1
SCALE: 1/8" = 1'-0"



ELEVATION B / A1.1
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK TO BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCESSIBILITY REQUIREMENTS.
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3. REMOVE ALL DEBRIS FROM SITE AND DISPOSE OF AS REQUIRED BY LOCAL JURISDICTION HAVING AUTHORITY.
4. CONTRACTOR SHALL COMPLY WITH OWNER REQUIRED SECURITY REQUIREMENTS.
5. COORDINATE LAY DOWN AND STAGING AREA WITH OWNERS REPRESENTATIVE.

ROOF PLAN KEYNOTES

1. NEW PRE-FINISHED METAL ROOFING PANELS OVER NEW METAL ROOF DECK. SEE STRUCTURAL DRAWINGS FOR SUPPORTING STRUCTURE.
2. PRE-FINISHED METAL EDGE FLASHING.
3. EXTEND EXISTING MECHANICAL FLUES AND VENTS THROUGH NEW ROOF SYSTEM AND FLASH. EXTENSIONS SHALL COMPLY WITH IMC 2015 CODE REQUIREMENTS.
4. NEW ROOF FLASHING ONTO EXISTING METAL ROOF SYSTEM AS REQUIRED.
5. PRE-FINISHED METAL WALL FLASHING ONTO NEW NEW ROOF SYSTEM.
6. NEW PRE-FINISHED STRUCTURAL METAL ROOF OVER STEEL CANOPY TRUSS ASSEMBLY.
7. NEW SNOW STOPS SEE SPECIFICATIONS.

BUILDING ELEVATION KEYNOTES

1. NEW PRE-FINISHED METAL ROOFING PANELS OVER NEW METAL ROOF DECK. SEE STRUCTURAL DRAWINGS FOR SUPPORTING STRUCTURE.
2. PRE-FINISHED METAL EDGE FLASHING.
3. PRE-FINISHED METAL SIDING OVER 1/2" PLYWOOD SHEATHING OVER METAL STUDS @ 16"o.c.
4. EXTEND PRE-FINISHED METAL SIDING OVER EXISTING EIFS.
5. OPEN TO ROOM BEYOND.
6. REMOVE EXISTING ARIEL COMMUNICATIONS ANTENNAS TO ACCOMMODATE INSTALLATION OF NEW PRE-FINISHED METAL SIDING AND SUPPORTING SUBSTRATE. REINSTALL AS REQUIRED.
7. EXISTING LOUVER AND VENTS. REMOVE DURING APPLICATION OF SIDING THEN RE-INSTALL OVER NEW SIDING.
8. NEW PRE-FINISHED EDGE FLASHING ONTO EXISTING ROOF SYSTEM.
9. REMOVE EXISTING PLUMBING VENTS TO ACCOMMODATE INSTALLATION OF NEW PRE-FINISHED METAL SIDING AND SUPPORTING SUBSTRATE.

LICENSED ARCHITECT AR-98339 JAMES WYATT STATE OF IDAHO 03-26-18

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
9980 JOHN HOPKINS PROMONTORY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83403-2212
OFF (208) 522-8779 (F) (208) 522-8783 (E) nbwarchitects.com

PROJECT: DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

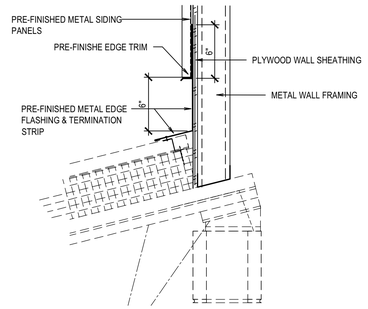
SHEET TITLE: ROOF PLAN & ELEVATIONS

REVISIONS

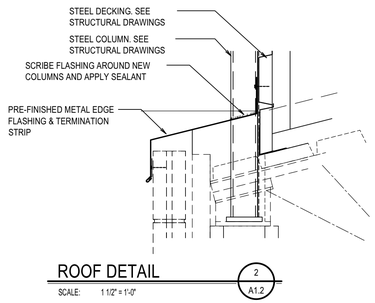
PROJECT NO.: DPW 18533
DATE: MARCH 2018
DRAWN BY: CGK
CHECKED BY: JW

DRAWING NO.: A1.1

Initial Plan Submittal Approved 04/06/18 BLD1801-0006
Approved
City of Pocatello Building Safety



ROOF DETAIL — SCALE: 1 1/2" = 1'-0" — 1 / A1.2



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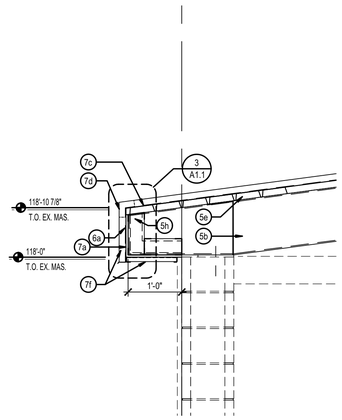
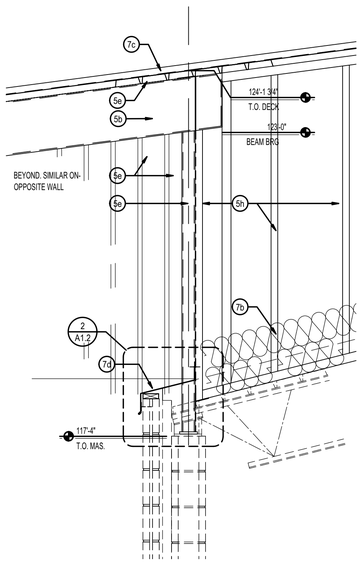


SECTION — SCALE: 3/4" = 1'-0" — 1 / A1.2



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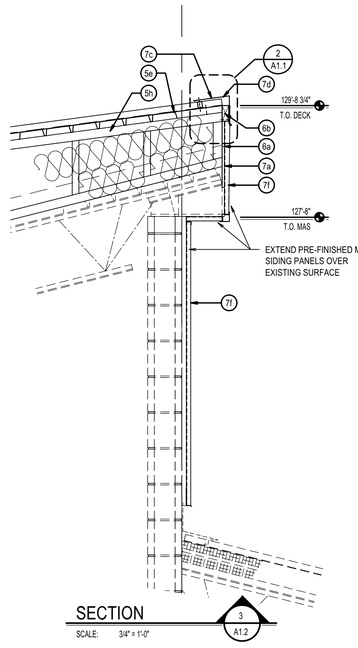


SECTION — SCALE: 3/4" = 1'-0" — 3 / A1.2

KEYNOTES

02 SITEWORK
- 2a COMPACTED DRAINAGE BASE COARSE 4" MINIMUM

03 CONCRETE
- 3a CONCRETE SLAB - SEE STRUCTURAL
- 3b CONCRETE WALKS w/ #4's @ 24"o.c. EACH WAY
- 3c CONCRETE APRON
- 3d CONCRETE FROST WALL CONSTRUCTION w/ #4'S @ 24" o.c. EACHWAY
- 3e CONCRETE PIER AND FOOTING. SEE STRUCTURAL

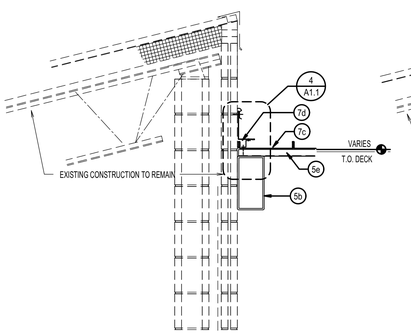
05 METALS
- 5a STEEL JOISTS - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5b STEEL BEAM - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5c STEEL ANGLE - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5d STEEL COLUMN - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5e METAL DECKING - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5f STEEL BEARING PLATE - SEE STRUCTURAL
- 5g STEEL TUBE - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5h COLD ROLLED METAL STUD TRUSS FRAMING
- 5i NEW TUBE STEEL TRUSS ASSEMBLY. PAINT.

06 WOOD
- 6a 1/2" PLYWOOD WALL SHEATHING.
- 6b WOOD 2x NAILER

07 THERMAL & MOISTURE PROTECTION
- 7a WEATHER BARRIER
- 7b 12"d CONTINUOUS BATT INSULATION OVER EXISTING RIGID ROOF INSULATION DECK AND BATT INFILL WHERE RIGID ROOF INSULATION WAS REMOVED TO ACCOMMODATE THE STUD TRUSS CONSTRUCTION.
- 7c PRE-FINISHED METAL ROOFING
- 7d PRE-FINISHED METAL FLASHING
- 7e PRE-FINISHED METAL CAP FLASHING
- 7f PRE-FINISHED METAL SIDING

09 FINISHES
- 9a --

NOTE:
SOME MATERIALS LISTED MAY NOT BE CALLED OUT ON DRAWING.



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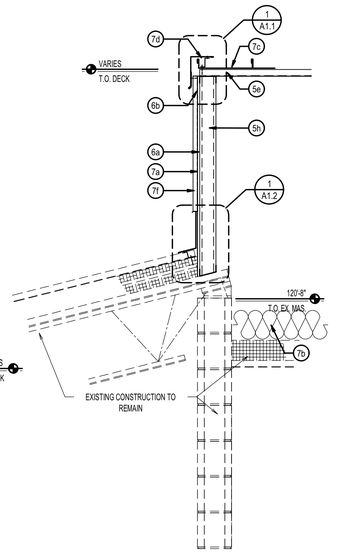

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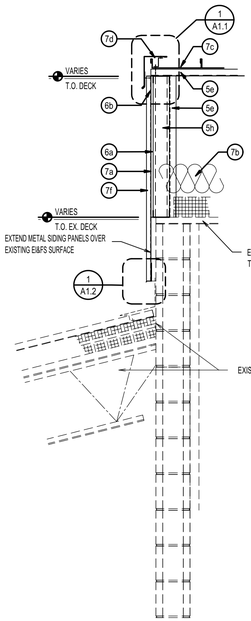
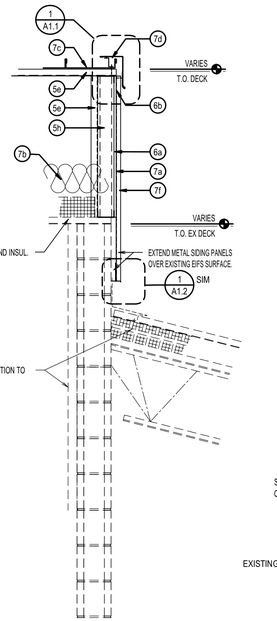


SECTION — SCALE: 3/4" = 1'-0" — 6 / A1.2



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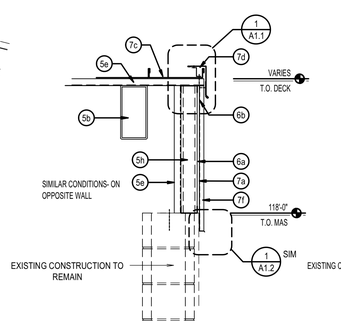

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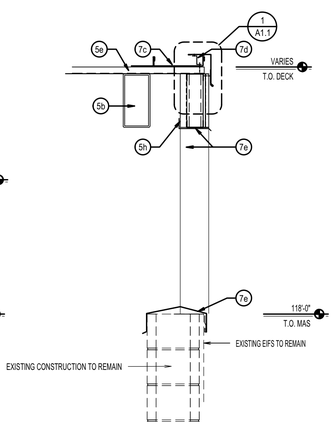

SECTION — SCALE: 3/4" = 1'-0" — 9 / A1.2

LICENSED ARCHITECT AR-982339 JAMES WYATT STATE OF IDAHO 03-26-18

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ARCHITECTURE / PLANNING / INTERIORS
SCOTT L. NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
950 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8783 (E) nbwarchitects.com

PROJECT: DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

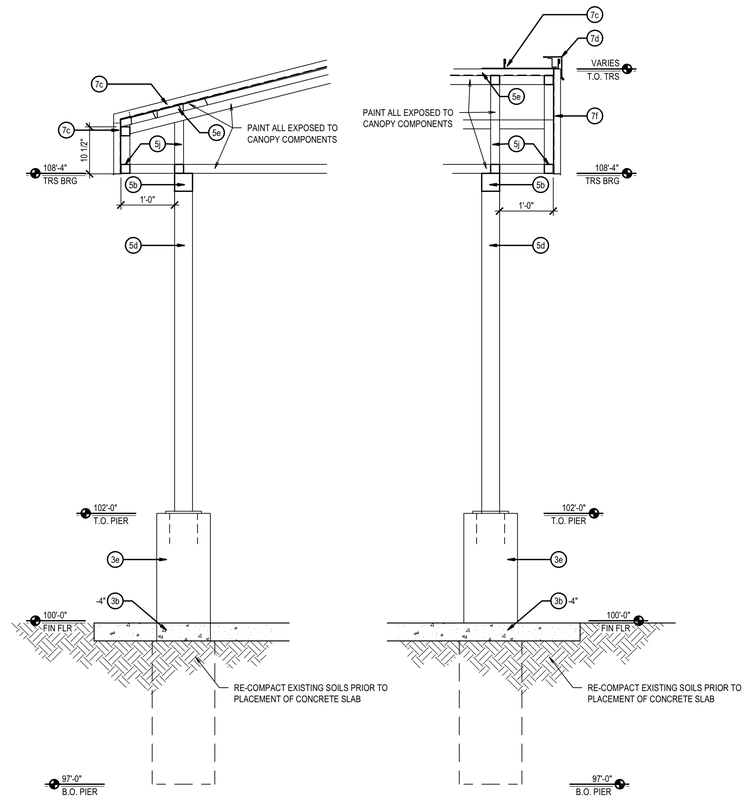
SHEET TITLE: SECTIONS AND DETAILS

REVISIONS

PROJECT NO. DPW 18533
DATE: MARCH 2018
DRAWN BY: CGK
CHECKED BY: JW

DRAWING NO.: A1.2

Initial Plan Submittal
Approved
04/06/18
BLD1801-0006
Approved
City of Pocatello
Building Safety



SECTION 2 A1.3
SCALE: 3/4" = 1'-0"

SECTION 1 A1.3
SCALE: 3/4" = 1'-0"

KEYNOTES

02 SITEWORK
- 2a COMPACTED DRAINAGE BASE COARSE 4" MINIMUM

03 CONCRETE
- 3a CONCRETE SLAB - SEE STRUCTURAL
- 3b CONCRETE WALKS w/ #4's @ 24"o.c. EACH WAY
- 3c CONCRETE APRON
- 3d CONCRETE FROST WALL CONSTRUCTION w/ #4'S @ 24" o.c. EACHWAY
- 3e CONCRETE PIER AND FOOTING. SEE STRUCTURAL

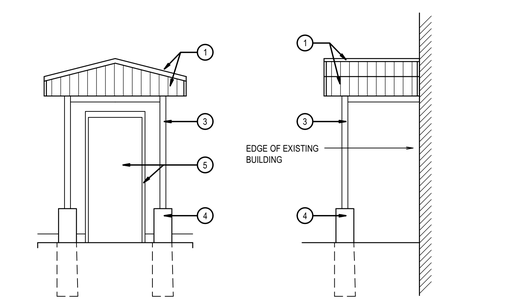
05 METALS
- 5a STEEL JOISTS - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5b STEEL BEAM - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5c STEEL ANGLE - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5d STEEL COLUMN - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5e METAL DECKING - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5f STEEL BEARING PLATE - SEE STRUCTURAL
- 5g STEEL TUBE - SEE STRUCTURAL - PAINT EXPOSED SURFACES
- 5h COLD ROLLED METAL STUD TRUSS FRAMING
- 5j NEW TUBE STEEL TRUSS ASSEMBLY. PAINT.

06 WOOD
- 6a 1/2" PLYWOOD WALL SHEATHING.
- 6b WOOD 2x NAILER

07 THERMAL & MOISTURE PROTECTION
- 7a WEATHER BARRIER
- 7b 12"d CONTINUOUS BATT INSULATION OVER EXISTING RIGID ROOF INSULATION DECK AND BATT INFILL WHERE RIGID ROOF INSULATION WAS REMOVED TO ACCOMMODATE THE STUD TRUSS CONSTRUCTION.
- 7c PRE-FINISHED METAL ROOFING
- 7d PRE-FINISHED METAL FLASHING
- 7e PRE-FINISHED METAL CAP FLASHING
- 7f PRE-FINISHED METAL SIDING

09 FINISHES
- 9a --

NOTE:
SOME MATERIALS LISTED MAY NOT BE CALLED OUT ON DRAWING.



ELEVATION A A1.3
SCALE: 1/4" = 1'-0"

ELEVATION B A1.3
SCALE: 1/4" = 1'-0"

BUILDING ELEVATION KEYNOTES

1. NEW PRE-FINISHED METAL ROOFING PANELS OVER STEEL CANOPY STRUCTURE
2. PRE-FINISHED METAL EDGE FLASHING.
3. 4" TUBE STEEL COLUMN. PAINT.
4. 12"dia. CONCRETE PIER. APPLY SAND AND CEMENT FINISH TO ALL EXPOSED SURFACES.
5. NEW DOOR AND FRAME ASSEMBLY BEYOND.

LICENSED ARCHITECT
AR-82339
JAMES WYATT
STATE OF IDAHO
03-26-18

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
950 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8785 (E) info@nbwarchitects.com

DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

PROJECT:

SHEET TITLE:
CANOPY SECTIONS AND DETAILS

REVISIONS

PROJECT NO.
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JW

DRAWING NO.:
A1.3

Initial Plan Submittal Approved
04/06/18
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Approved

STRUCTURAL DRAWING NOTES

JCC ROOF COVER

I. GENERAL APPLICATION
- A. These drawings must be used in conjunction with the architectural drawings to clearly define the requirements for construction.
- B. Do not scale drawings.
- C. In the opinion of the Contractor, any items that appear to be deficiencies, omissions, contradictions or ambiguities in the drawings, should be brought to the attention of the Architect and/or G&S Structural Engineers.

II. CODES AND SPECIFICATIONS
- A. International Building Code (IBC) - 2015 Edition

III. DESIGN CRITERIA
- A. Wind
  - 3 Second Gust Wind Speed = 115 MPH (Ultimate)
  - 90 MPH (Nominal)
  - Exposure = C
  - Risk Category II; Iw = 1.00
  - Enclosure Classification = Enclosed
  - Components and Cladding Pressure = 15 psf
- B. Seismic
  - S_S = 46.70%g; S_{DS} = 0.444g
  - S_1 = 16.30%g; S_{D1} = 0.233g
  - Risk Category = II; I_E = 1.00
  - Site Class = D; Seismic Design Category = D
  - R = 6.5; V = CsW = 0.068W
  - Light Frame Bearing Walls With Shear Panel System Attached To existing reinforced and fully grouted masonry walls.
  - Equivalent Lateral Force Analysis Method
  - Percentage of roof snow used for design = 20%
- C. Live Loads per IBC Sec. 1607 — Uniform (psf)
  1. Ground snow — 70
  2. Roof
     - a. Snow Load (Is,Ce,Ct = 1.0) — 50
     - b. Live Load — 20 (Non-concurrent with snow load)
- D. Dead Loads — Uniform (psf)
  1. Framing system — 20 (Roof)
- E. Design Assumptions
  1. Soil bearing pressure estimated to be 3000 psf for columns and wall footings as per the original 1983 construction drawings.
- F. Allowable Stresses (unless otherwise noted)
  1. Concrete f'c (@ 28 days)
     - a. Slabs on grade — 4000 psi; Provide 5%-7% air entrainment for exposed slabs
  2. Concrete masonry (assumed from existing drawings)
     - a. Masonry Wall (f'm) — 1500 psi
     - b. Masonry Units — 1900 psi
     - c. Mortar (@ 28 days)
       - i. Type M — 2500 psi
       - ii. Type S — 1800 psi
     - d. Grout (@ 28 days) — 2000 psi
  3. Reinforcing steel — ASTM A615 Grade 60
  4. Structural steel
     - a. Angles — ASTM A36
     - b. Miscellaneous plates & bars — ASTM A36
     - c. HSS shapes — ASTM A500 Grade B

IV. SPECIAL INSPECTION
- A. The Owner or the Owner's Agent shall employ independent Special Inspector(s) to perform the following duties. Each Special Inspector shall submit qualifications showing competency to the Building Official for approval prior to specified duties. All special inspection is to comply with IBC Chapter 17.
  1. Duties and Responsibilities of the Special Inspector:
     - a. The Special Inspector shall observe the work assigned to be certain it conforms to the approved contract drawings.
     - b. The Special Inspector shall furnish inspection reports to the Building Official and to the Architect of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction.
  2. Concrete:
     - a. No special inspection is required based upon design f'c = 2500 psi.
  3. Concrete and Masonry Anchors:
     - a. Drilled in Anchors
       1. Special inspection of drilled in anchors as per ICC Evaluation Services Report and/or as required by the building department.
  4. Structural Steel:
     - a. Special inspection per IBC Section 1705.2.

V. GENERAL STRUCTURAL NOTES
- A. Contractor shall verify all dimensions in the field: any variation from the drawings shall be brought to the attention of the Architect. Any proposed field changes shall have prior approval from the Architect.
- B. Adequate shoring and bracing of all structural members during construction shall be provided.

VI. CONCRETE
- A. Concrete shall be of ready mix type conforming to ASTM C94.
- B. When the average daily temperature is expected to drop below 40° F for 3 or more successive days, the concrete shall comply with the Cold Weather Concreting Standard (ACI 306). Place no concrete against frozen earth.
- C. Splices of reinforcement at points of maximum stress shall be avoided.

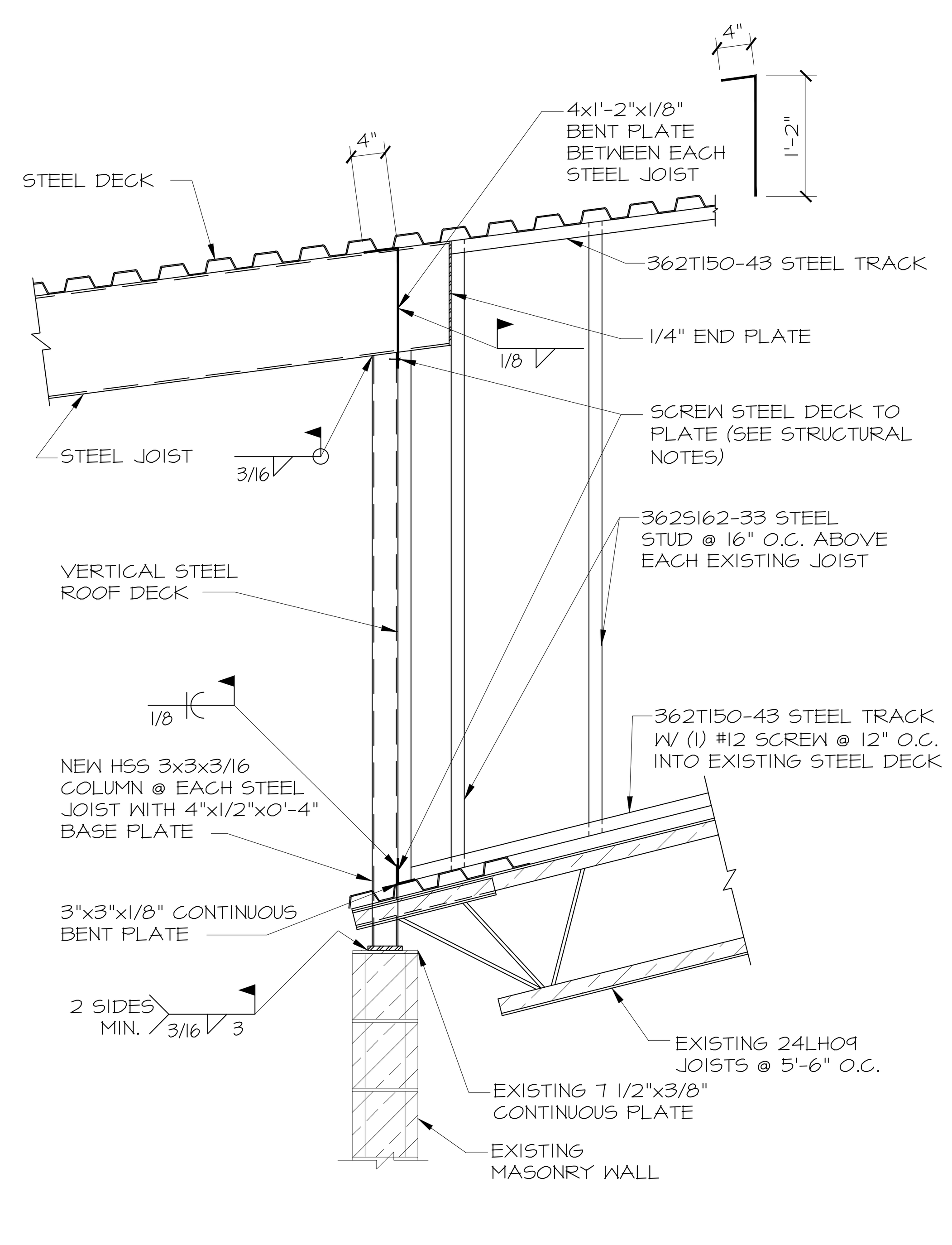
  Minimum overlap for lapped splices shall be as follows:
  #4 - 24"; #5 - 30"; #6 - 36"; #7 - 53"
- D. No aluminum products shall be embedded in the concrete.
- E. Crack control joints in large areas of slab be saw cut at 12 feet maximum shall be saw cut transverse to the length. See Concrete Slab on Grade Details sheet S1.1.

VII. REINFORCING STEEL
- A. Welding or tack welding of reinforcing bars to other bars, plates, angles, etc. is prohibited unless ASTM A706 (weldable) rebar is utilized.
- B. All detailing, fabrication and placing of reinforcing bars shall conform to the ACI Manual of Standard Practice for Detailing Reinforcing Concrete Structures (ACI 315).
- C. Reinforcement shall be accurately placed as indicated on the drawings and adequately supported to prevent displacement before concrete or masonry grout is placed.
- D. The following minimum concrete cover for reinforcement shall be provided, unless otherwise noted.
  - Cast against and permanently exposed to earth........3"
  - Exposed to earth or weather - #5 and smaller... 1-1/2"
  - Not exposed to earth or weather - slabs, walls... 3/4"

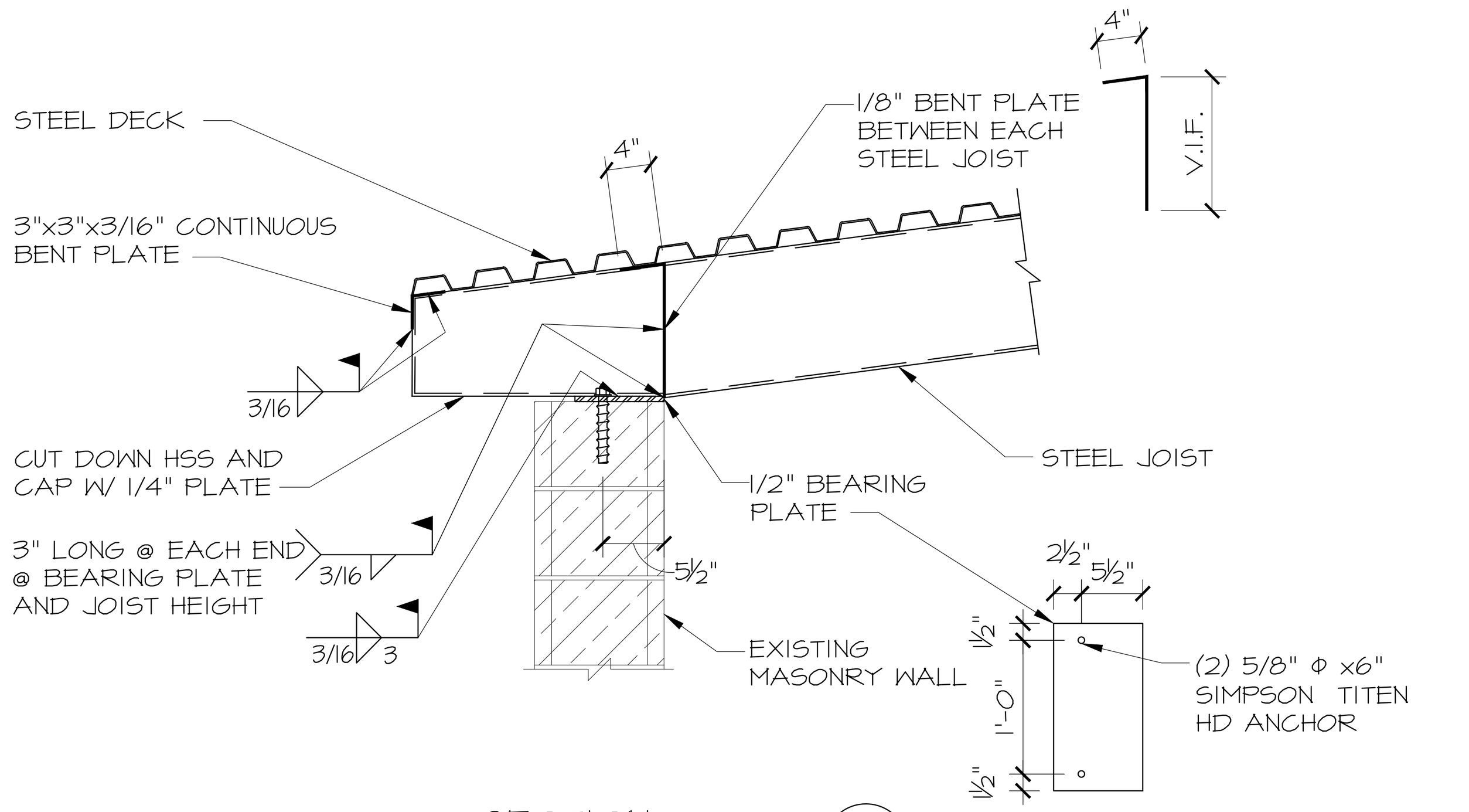
VIII. STRUCTURAL STEEL
- A. All structural steel and structural steel work shall comply with the Specification for the Design, Fabrication and Erection of Structural Steel for Building of the AISC Code of Standard Practice.
- B. All steel shall be shop fabricated to the greatest extent possible per AISC. All steel members shall be given one shop coat of approved paint. Surfaces to be embedded in concrete shall not be painted.
- C. All welding must conform to the AISC and the AWS Structural Welding Code-Steel. All welders shall have current certification by tests per American Welding Society (AWS) to perform the type of work required. All welds shall be made using a minimum 70 ksi electrode meeting Charpy V-Notch toughness of 20 ft-lbs @ 20° F as determined by AWS for electrodes.
- D. All structural steel shall be temporarily braced until all of the structural frame is complete.

IX. LIGHT GAUGE STEEL FRAMING
- A. Specified framing members are based upon the Steel Stud Manufacturer's Association (SSMA) specifications.
- B. All studs and/or joists and accessories shall be of the type, size, steel thickness and spacing as shown on the plans. Studs, runners (track), bracing and bridging shall be manufactured per ASTM C955.
- C. All galvanized studs, joists and accessories, 18 gauge and lighter shall be formed from steel that conforms to the requirements of ASTM A653 with a yield of 33 ksi minimum.
- D. Follow all manufacturer's recommendations for the use of these products.
- E. Unless otherwise noted, all welded connections shall be done using 1/8" AWS type 6013 or 7014 rod with a welding heat of 60-100 amperes depending on the gauge of material and the fit of the parts. Wire tying of framing components shall not be permitted.

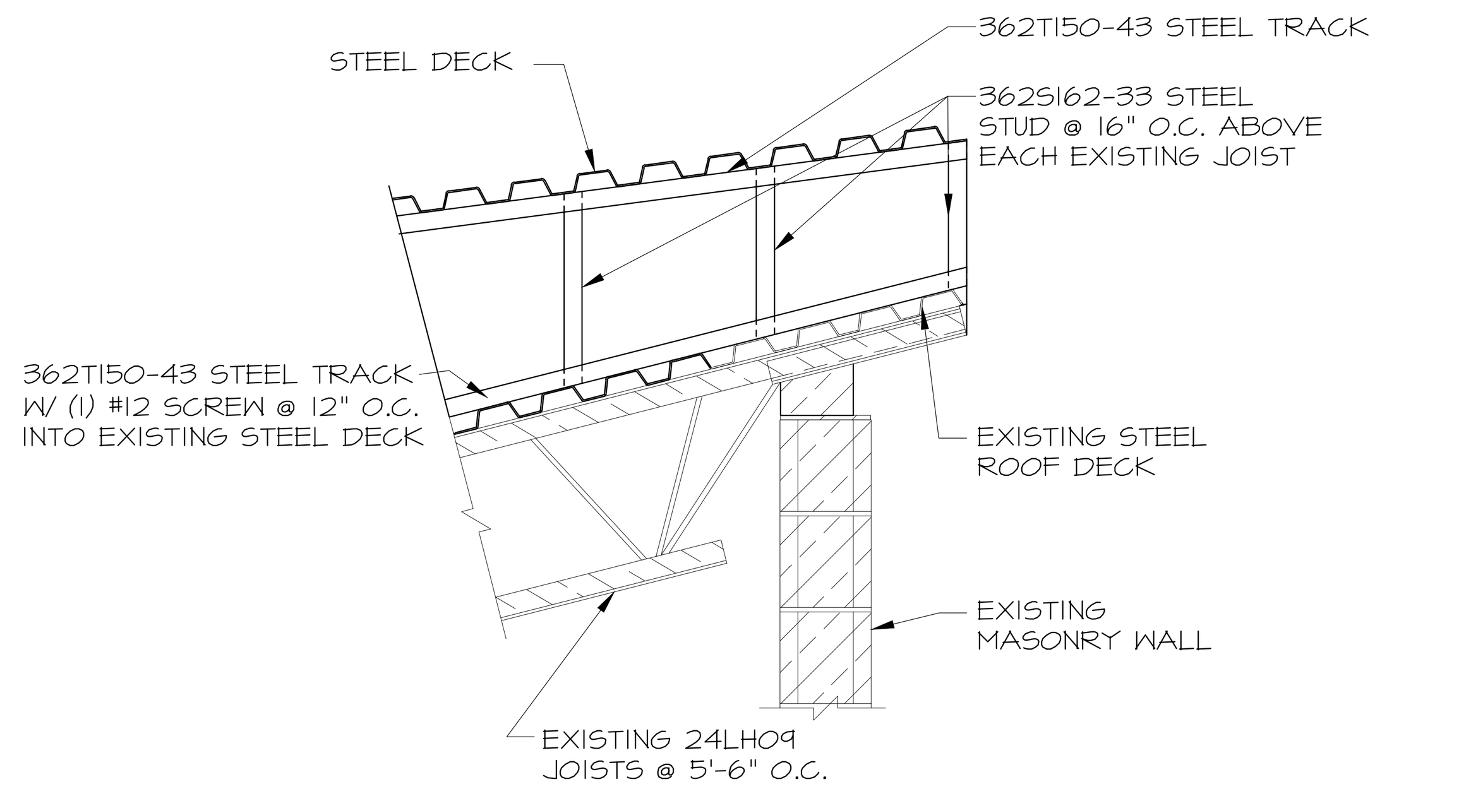
X. STEEL ROOF DECKING
- A. Steel deck shall be formed from sheets conforming to the requirements of the Steel Deck Institute.
- B. Steel deck shall comply with the latest requirements of the Steel Deck Institute. Submit ICC report with vertical load and lateral shear capacities with shop drawings if supplied deck will be different than that specified.
- C. Provide a 2" minimum bearing and a 4" lap at the splice points of all pieces of decking.
- D. Steel deck shall be 3-span continuous minimum.
- E. Steel deck shall be 1 1/2" deep x 20 gauge, Vulcraft B1 deck or Verco PLB-36 or HSB-36 deck.
- F. Steel deck shall be welded or shot with powder actuated fasteners at supporting framing members made of structural steel as follows:
  1. Support fasteners (perpendicular and parallel): 5/8"Φ puddle weld or Hilti X-ENP-19 L15 @ 12" o.c. parallel, 36/4 pattern perpendicular.
  2. Sidelap fasteners: button punch @ 12" o.c.
- G. Steel deck shall be screwed with self tapping screws at supporting framing members made of light gauge steel stud walls as fallows:
  1. Support fasteners (perpendicular and parallel): #12 TEK screw @ 6" o.c. parrallel 36/7 perpendicular.
  2. Side lap fasteners: Button Punch @ 6" o.c.



SECTION 1 — SCALE : 3/4" = 1'-0" — S1.1



SECTION 2 — SCALE : 3/4" = 1'-0" — S1.1



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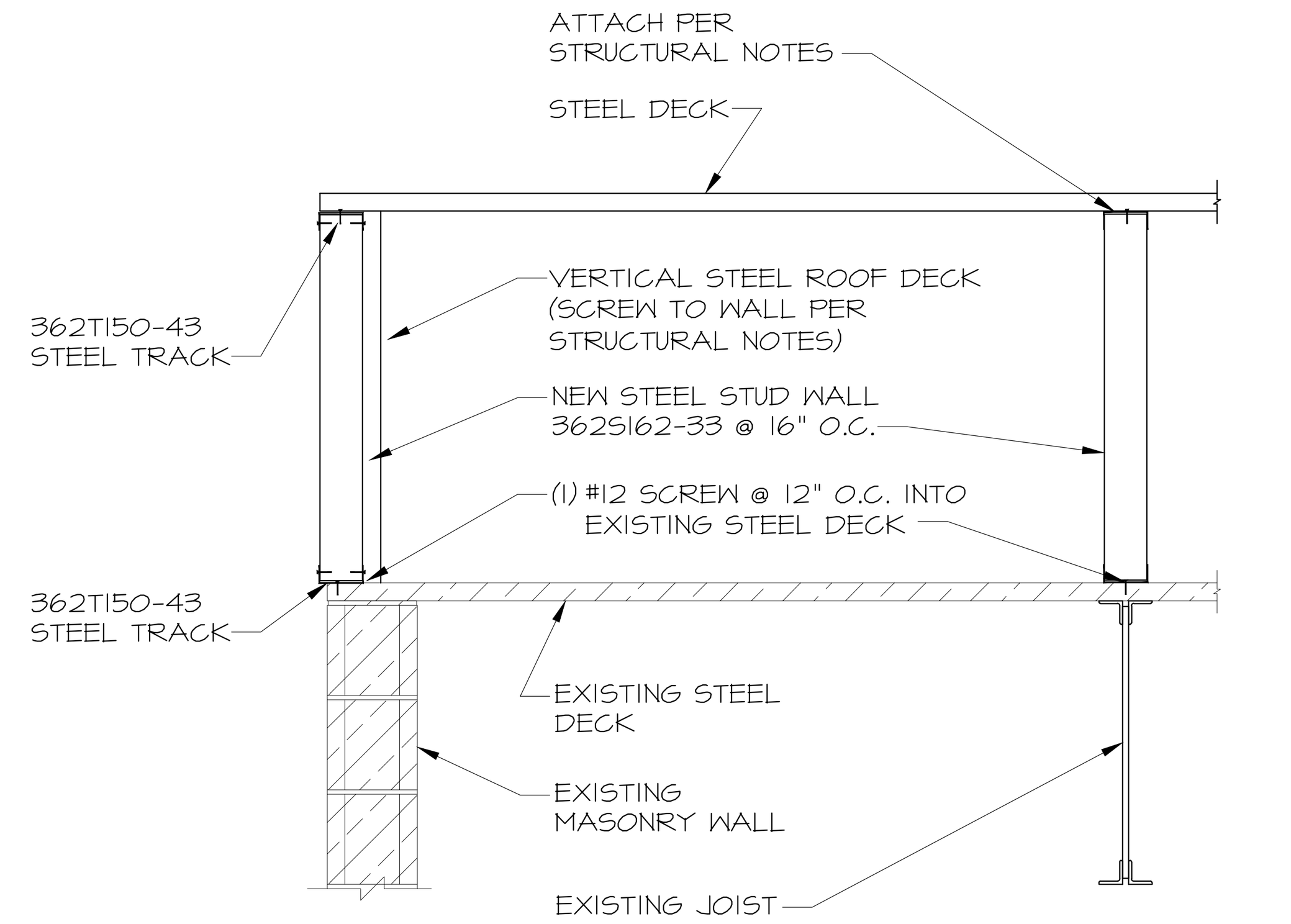
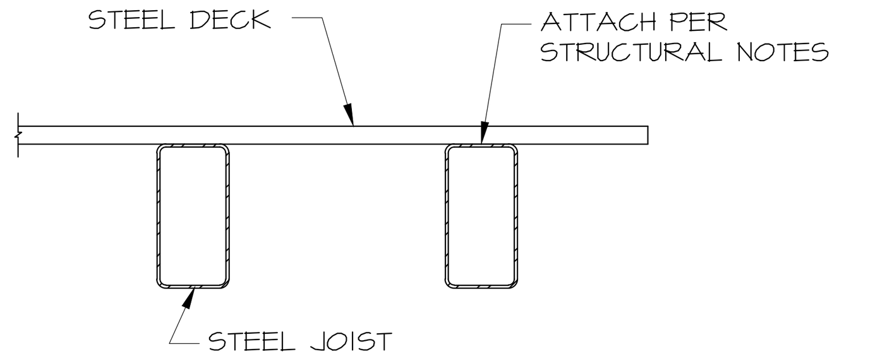
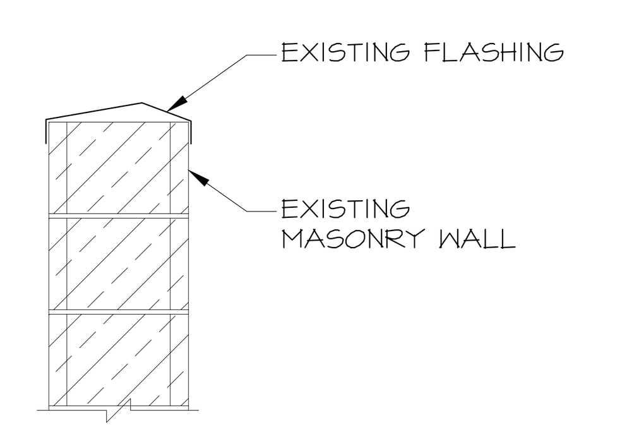


SECTION 4 — SCALE : 3/4" = 1'-0" — S1.1





SECTION 5 — SCALE : 3/4" = 1'-0" — S1.1

LEGEND

MARK ON SHEET	DESCRIPTION	SCHEDULE ON SHEET	DETAIL
CCJ	CONTROL OR CONST. JT.	-	S1.1
CS	CONCRETE SLAB	S1.1	-
SJ	STEEL JOIST	S1.1	-

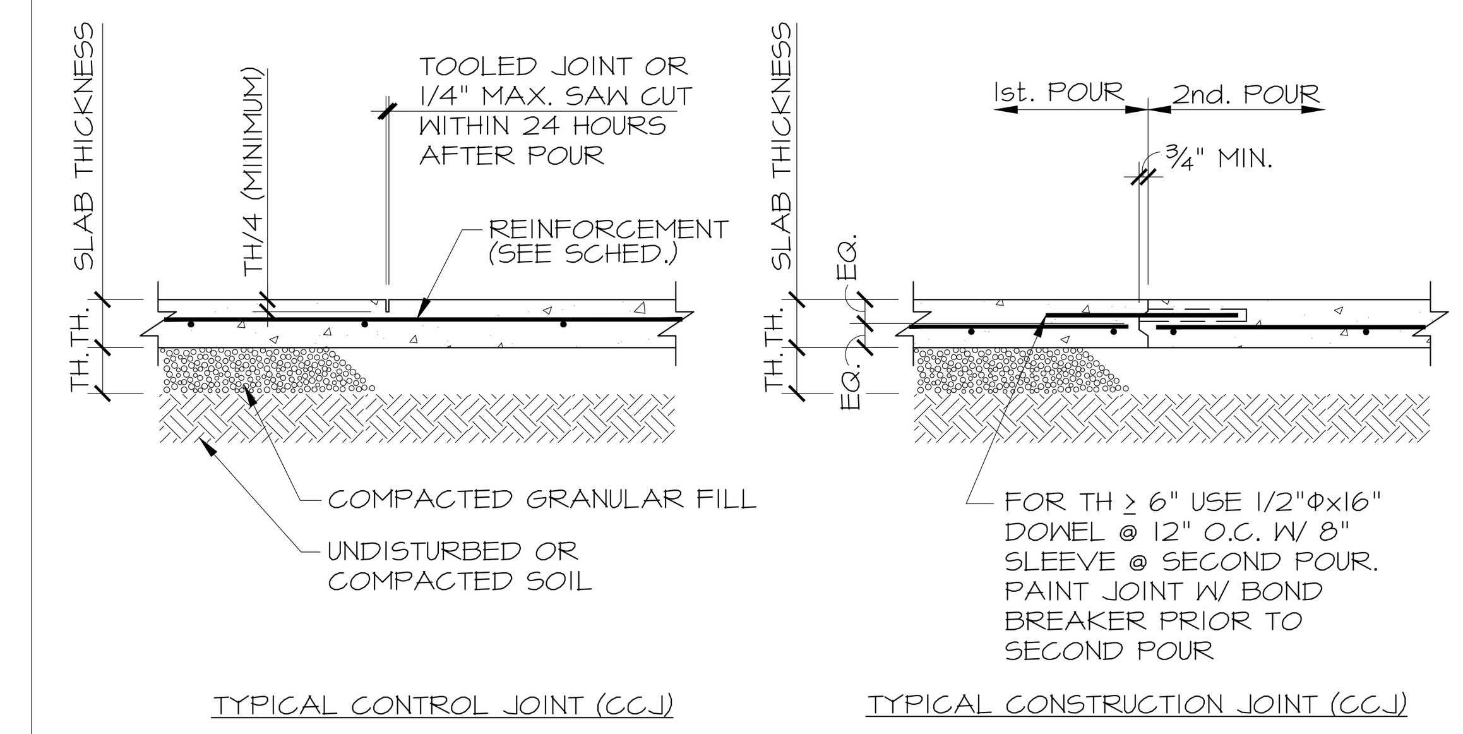
JOIST SCHEDULE

MARK	JOIST SIZE	MATERIAL	SPACING	REMARKS
SJ1	HSS 12x6x5/16	ASTM A500 GRADE B	24" O.C.	

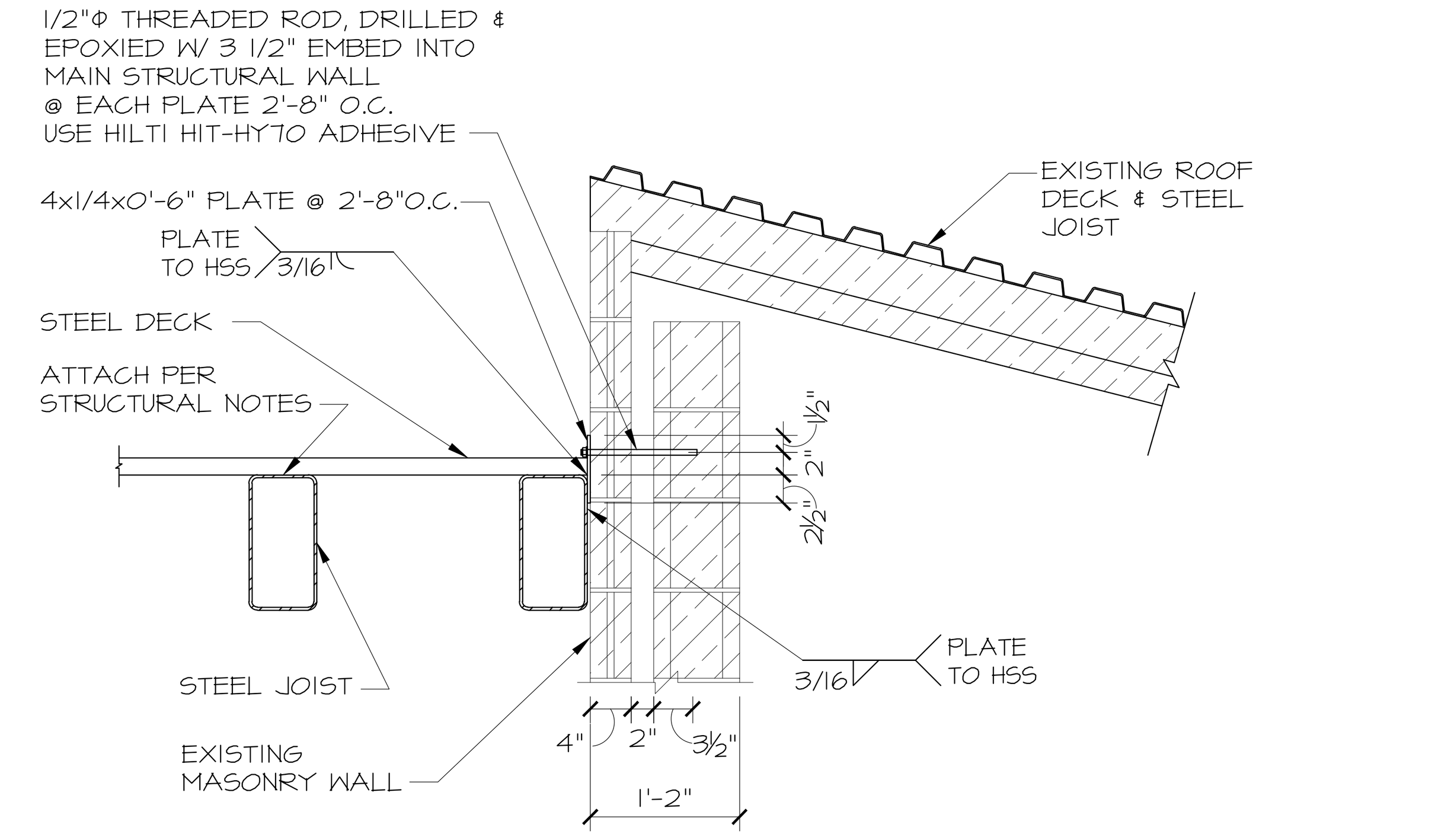
CONCRETE SLAB SCHEDULE

[ ] ON PLAN DENOTES TOP OF SLAB (U.O.N.)

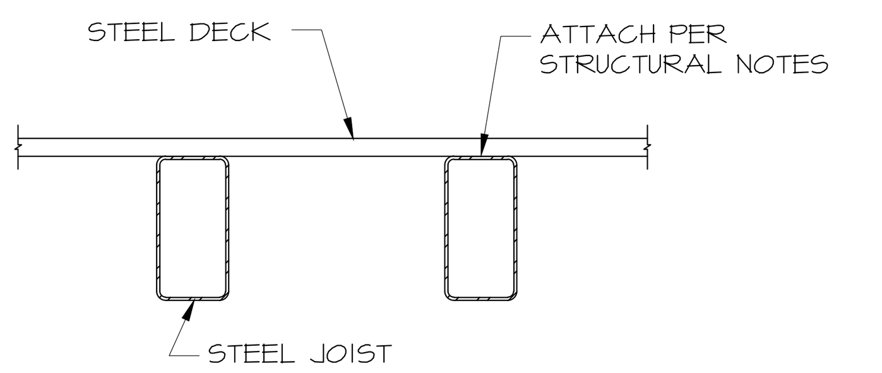
MARK	SLAB THICKNESS (TH)	TH/4	REINFORCEMENT		REMARKS
			LONGITUDINAL	TRANSVERSE	
CS1	5"	1"	#4 @ 24" O.C.	#4 @ 24" O.C.	



CONCRETE SLAB ON GRADE DETAILS



SECTION 6 — SCALE : 3/4" = 1'-0" — S1.1



SECTION 7 — SCALE : 3/4" = 1'-0" — S1.1

nbw architects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A.
990 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
(P) 208-522-8779 (F) 208-522-8785 (W) nb-architects.com

PROJECT: DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JEUENILE CORRECTIONS, OWYHEE COTTAGE
ST. ANTHONY ID.

SHEET TITLE: STRUCTURAL NOTES, SCHEDULES, & TYPICAL DETAILS

REVISIONS

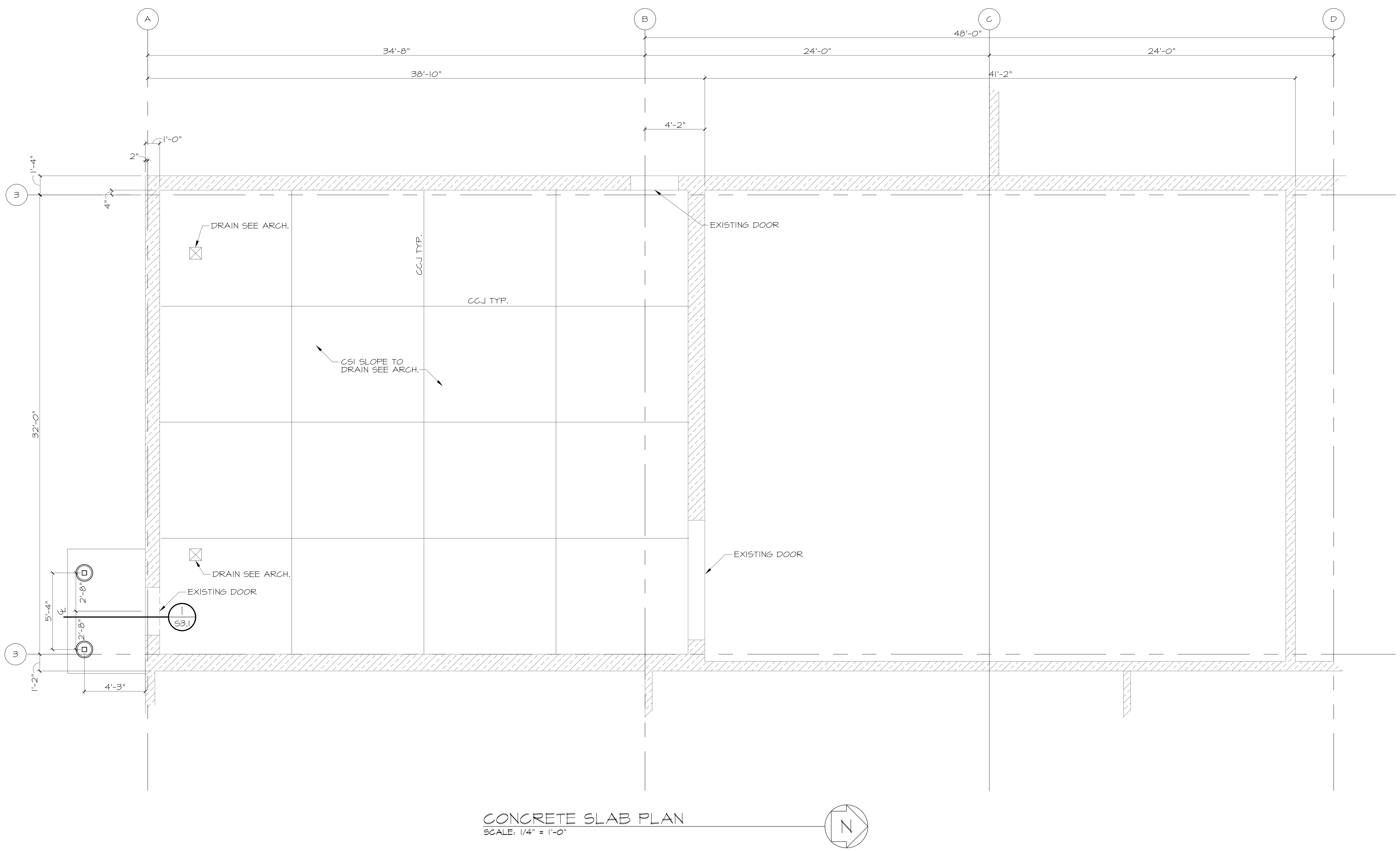
PROJECT NO.:
DATE: MARCH 2018
DRAWN BY:
CHECKED BY:

PROFESSIONAL ENGINEER REGISTERED 8816 3-26-18 STATE OF IDAHO MARK D. ANDRUS

G & S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2018
PROJECT NUMBER: 17149
DRAFTER: LR DESIGNER: MA CHECKER: RF

DRAWING NO.: S1.1

Initial Plan Submittal Approved
04/06/18
BLD1801-00046
Approved
State of Idaho
Division of Building Safety
PA#: BLD1801-00046
Date: 04/09/18
These documents are approved contingent on the compliance with the mark-ups and notes applied.
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.



CONCRETE SLAB PLAN

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

GENERAL NOTES

1. For marked description items on Plan see legend on sheet S1.1.
2. See Architectural Drawings for dimensions not shown.

PROFESSIONAL ENGINEER REGISTERED 8816 3-26-18 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2018
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ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A.
990 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8785 (W) nb-architects.com

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SHEET TITLE:
CONCRETE SLAB PLAN

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CHECKED BY:

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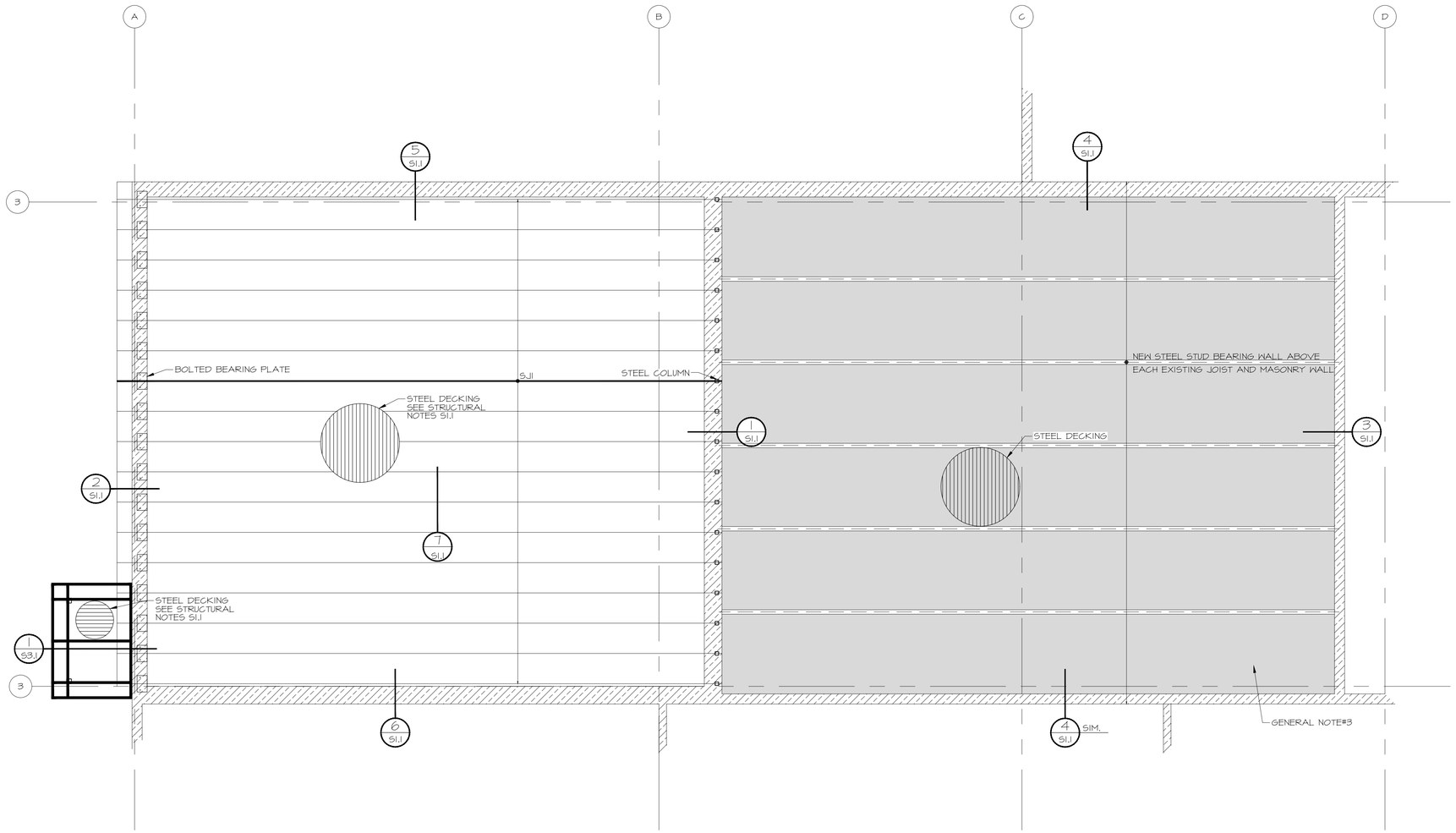
Division of Building Safety



ROOF FRAMING PLAN

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

N

GENERAL NOTES

1. For marked description items on Plan see legend on sheet S1.1.
2. See Architectural Drawings for dimensions and roof slopes not shown.
3. Shaded area on plan indicates roof overbuild.

PROFESSIONAL ENGINEER REGISTERED 8816 3-26-18 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2018
PROJECT NUMBER: 17149
DRAFTER: LR DESIGNER: MA CHECKER: RF

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ARCHITECTURE/PLANNING/INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A.
590 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
(P) 208.522.8776 (F) 208.522.8765 (E) info@nb-architects.com

DPW PROJECT 18533
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ST. ANTHONY ID.

PROJECT:

REVISIONS

PROJECT NO.

DATE: MARCH 2018

DRAWN BY:

CHECKED BY:

SHEET TITLE: ROOF FRAMING PLAN

DRAWING NO.: S2.2

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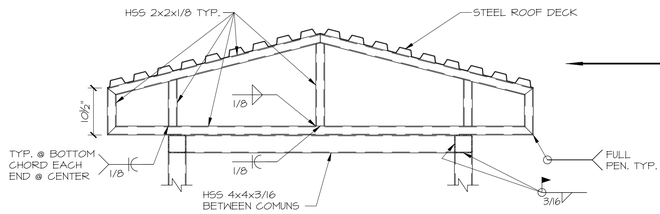
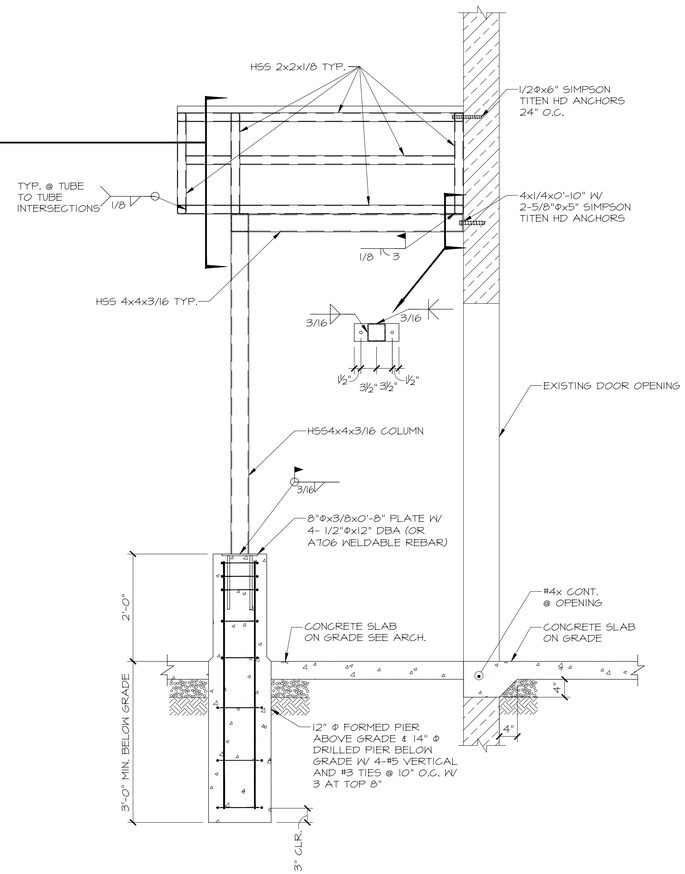
Bonneville County Building Safety





SECTION
SCALE : 3/4" = 1'-0"
1
S3.1

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ARCHITECTURE/PLANNING/INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A.
990 JOHN ADAMS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
OFF 208.522.8778 FAX 208.522.8795 WEB nbwarchitects.com

DPW PROJECT 18533
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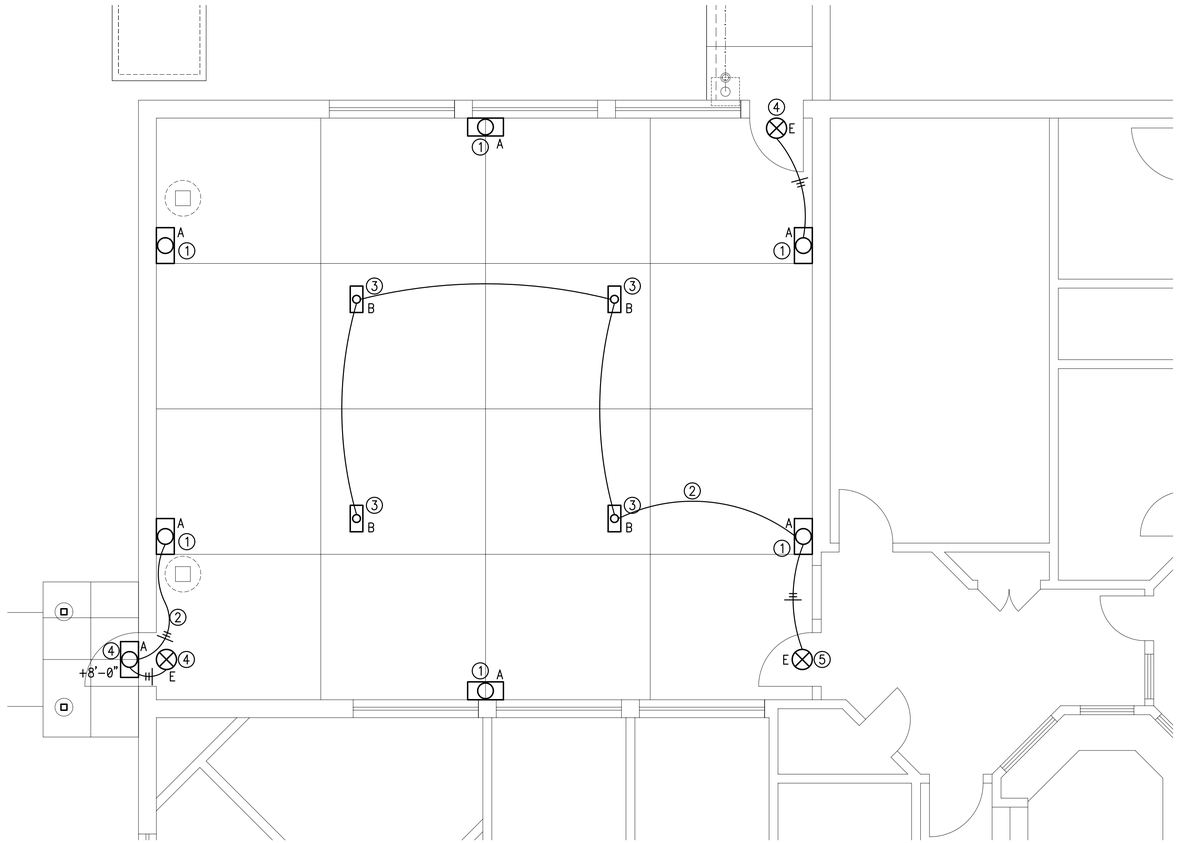
CHECKED BY:

DRAWING NO.: S3.1

PROFESSIONAL ENGINEER REGISTERED 8816 3-26-18 STATE OF IDAHO MARK D. ANDRUS

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918 / FAX: (208) 523-6922
E-MAIL: gs@gsengineers.net COPYRIGHT 2018
PROJECT NUMBER: 17149
DRAFTER: LR DESIGNER: MA CHECKER: RF

Initial Plan Submittal Approved 04/06/18 BLD1801-0006
Approved
Division of Building Safety
www.dbs.idaho.gov



LIGHTING INSTALLATION PLAN
SCALE: 1/4

DRAWING KEY NOTES:

1. REPLACE EXISTING WALL PACK WITH NEW FIXTURE TYPE A.
2. EXTEND CIRCUIT FROM REPLACED FIXTURE TO NEW CEILING MOUNTED FIXTURES.
3. MOUNT LIGHT FIXTURE TO NEW ROOF STRUCTURE.
4. EXTEND CIRCUIT TO NEW LIGHT FIXTURE.
5. REPLACE EXISTING EXIT SIGN WITH NEW FIXTURE TYPE E.

NOTES THIS DRAWING:

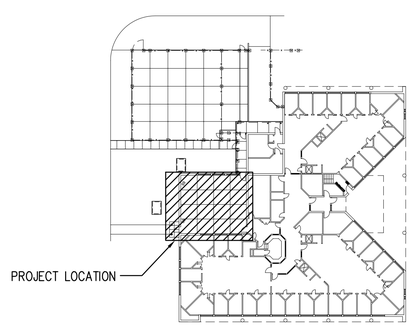
1. COURTYARD LIGHTING TO BE CONTROLLED BY EXISTING LIGHTING CONTROL SYSTEM.

ELECTRICAL LEGEND

X	SURFACE MOUNT LED FIXTURE, LETTER DESIGNATES FIXTURE TYPE AS SCHEDULED ON FIXTURE SCHEDULE
X	WALL MOUNT LED FIXTURE, LETTER DESIGNATES FIXTURE TYPE AS SCHEDULED ON FIXTURE SCHEDULE
E	WALL MOUNTED EXIT LIGHT; MOUNTED ABOVE DOOR
	HASH MARKS INDICATE THE NUMBER OF #12 WIRE IN CONDUIT (ONLY SHOWN WHEN MORE THAN TWO)

FIXTURE SCHEDULE

SYMBOL	MANUFACTURER NAME	MANUFACTURER CAT. NO.	FIXT WATTS	LAMP TYPE	MOUNTING	REMARKS
A	LITHONIA	OLWX1 LED-40W-40K	39W	LED	ON EXISTING	LED WALL MOUNT FIXTURE
				40K	BACKBOX	4,027 LUMENS, MVOLT
						SEALED HOUSING, IMPACT RESISTAN LENSE
B	LITHONIA	DSXSC LED-30C-530-40K-T5M-MVOLT-DDBXD	53W	LED	SURFACE MOUNT	SURFACE MOUNT LED FIXTURE
				40K		6,322 LUMENS, TYPE 5 MEDIUM DISTRIBUTION
						SEALED HOUSING, IMPACT RESISTAN LENSE
E	LITHONIA	LQM-S-W-3-R-120/277-EL N	1W	LED	WALL MOUNT	RED LED EXIT SIGN
					ABOVE DOOR	WITH BATTERY EMERGENCY BATTERY



KEY PLAN
SCALE: NTS

BRADLEY
Bradley Engineering/Chtd.
Electrical Consulting & Design
645 W 25th ST
Idaho Falls, ID 83402
Tel: (208) 523-2862 Fax: (208) 523-2864
email: bes@bradleyengineering.com

JOB NUMBER: 17-122

PROFESSIONAL ENGINEER LICENSED 16987 3/28/2018 STATE OF IDAHO ANDREW YANOSHEK

nbwarchitects p.a.
ARCHITECTURE/PLANNING/INTERIORS
SCOTT L NIELSON, A.I.A. KEVIN R BODILY, A.I.A. JAMES H WYATT, A.I.A
980 JOHN HARMS PARKWAY P.O. BOX 2212 IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8785 (EM) nbwarchitects.com

PROJECT:
DPW PROJECT 18533
ROOF/CONCRETE REPAIR
DEPT. OF JUVENILE CORRECTIONS, OUWYHEE COTTAGE
ST. ANTHONY ID.

SHEET TITLE:
LIGHTING INSTALLATION PLAN

REVISIONS

PROJECT NO.
DPW 18533
DATE:
MARCH 2018
DRAWN BY:
DBH
CHECKED BY:
ADY

DRAWING NO.:
E1.1