CODE INFORMATION	
BUILDING CODES	2021 - INTERNATIONAL BUILDING CODE IBC)
	2021 - INTERNATIONAL EXISTING BUILDING CODE (IEBC)
FIRE CODE	2021 - INTERNATIONAL FIRE CODE (IFC)
ELECTRIC CODE	2023 - NATIONAL ELECTRIC CODE (NEC)
PLUMBING CODE	2021 - INTERNATIONAL PLUMBING CODE (IPC)
MECHANICAL CODE	2021 - INTERNATIONAL MECHANICAL CODE (IMC)
ENERGY CODE	2021 - INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

TAYLOR 1,2,3,4
OGDEN UT WEST STAKE

SITE: 2167 SOUTH 4300 WEST - OGDEN, UTAH
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
PROJECT NUMBER: 502253324010201

CODE ANALYSIS NOTES

SCOPE OF WORK (IEBC 602.1):
LEVEL 1 REMOVAL AND REPLACEMENT OF EXISTING MATERIALS USING NEW MATERIALS THAT SERVE THE SAME PURPOSE.

REROOFING (IEBC 705):
COMPLIES WITH IEBC 705.3 ROOF REPLACEMENT AND IBC CHAPTER 15.

ROOFING SYSTEM
SEE SPECIFICATION 07 5419 PARAGRAPH 1.5:

- CLASS A FIRE CLASSIFICATION (IBC 1505.1)
- THERMAL PERFORMANCE: EXISTING INSULATION BELOW DECK
- WIND CRITERIA as per ASCE 7-10:
- Basic wind speed (V): 120 mph (Risk Category III)
- Wind exposure and importance factor (Iw): B

VICINITY MAP

STANDARD SYMBOLS LEGEND

DETAIL — L / A101 — DETAIL LETTER, SHEET NUMBER
SECTION — L / A101 — SECTION LETTER, SHEET NUMBER
SHEET REFERENCE — SCALE: — A301 — DETAIL REFERENCED FROM THIS SHEET
ROOM NUMBER — 101
DOOR DESIGNATION — 43A
WINDOW DESIGNATION — F
ELEVATION (VIEW) — A / A201 — ELEVATION LETTER, SHEET NUMBER
ELEVATION (DATUM) — ELEVATION 100'-0"
MARKERBOARD — 2

STATE OF UTAH — BRADLEY G. GYGI — No. 6112725 — LICENSED ARCHITECT — 11-4-2025
ARCHITECT
BRADLEY GYGI ARCHITECT & ASSOCIATES, PLLC
PO BOX 521048
SALT LAKE CITY, UTAH 84152
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REGISTERED PROFESSIONAL ENGINEER — Matthew C. McBride — No. 353893 — STATE OF UTAH — 11/4/25
STRUCTURAL ENGINEER
ARW ENGINEERS
STRUCTURAL CONSULTANTS
1594 WEST PARK CIRCLE #100
OGDEN, UTAH 84404
(801) 782-6008

REGISTERED PROFESSIONAL ENGINEER — DAVID P. WHITTON — No.264397 — STATE OF UTAH — 2025/11/14
ELECTRICAL ENGINEER
ENVISION ENGINEERING
240 EAST MORRIS AVE., SUITE 200
SALT LAKE CITY, UTAH 84115
(801) 534-1130

DRAWING INDEX

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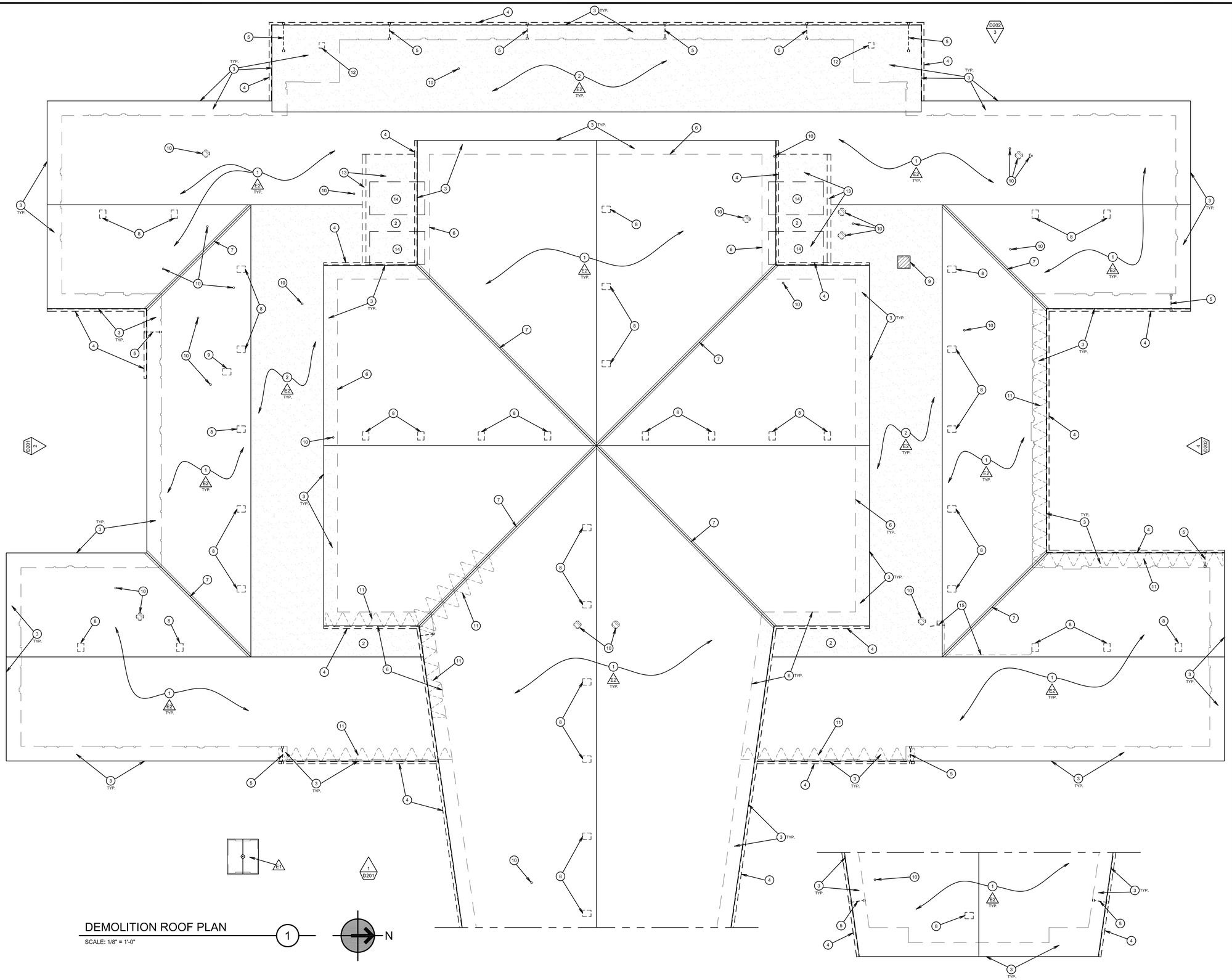
OGDEN UT WEST STAKE
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG
SHEET TITLE: COVER AND INDEX SHEET
SHEET: G001



GENERAL ROOFING NOTES

GENERAL:

1. CONTRACTOR IS RESPONSIBLE TO KEEP AREAS OF ROOFING WORK FREE FROM WATER DAMAGE DURING CONSTRUCTION.
2. ALL ROOF AREAS ARE TO BE SWEPT CLEAN AND KEPT CLEAN DURING DEMOLITION AND INSTALLATION.
3. SEE STRUCTURAL AND OTHER DRAWINGS FOR WORK WHICH OCCURS AT ROOF AND REQUIRES ADDITIONAL DEMOLITION FOR ACCESS. COORDINATE ALL WORK.

GENERAL DEMOLITION NOTES (AT AREAS OF NEW ROOFING):

1. ROOFING CONTRACTOR SHALL BE APPROVED TO REMOVE ASBESTOS MATERIALS AND PROPERLY DISPOSE OF SAME: SEE SECTION 01 3500 "SPECIAL PROCEDURES."
2. REMOVE EXISTING ROOFING, UNDERLAYMENT, FLASHINGS AND OTHER ASSOCIATED WORK.
3. REMOVE ALL EXISTING WORK NOT SHOWN TO REMAIN AS PART OF COMPLETED WORK. COORDINATE WITH ALL OTHER DRAWINGS, TYPICAL. INCLUDES ABANDONED ROOF PENETRATIONS.
4. REMOVE EXISTING ROOF SHEATHING AS REQUIRED TO PERFORM STRUCTURAL AND OTHER WORK. COORDINATE WITH STRUCTURAL DRAWINGS.

ROOF DECK:

1. ROOFING CONTRACTOR SHALL INSPECT THE ENTIRE ROOF DECK AREA TO ENSURE THAT IT HAS BEEN PROPERLY PREPARED TO RECEIVE NEW ROOFING. DO NOT PROCEED WITH ANY WORK UNTIL THE PROBLEMS HAVE BEEN CORRECTED.
2. AFTER COMPLETION OF DEMOLITION, SEISMIC, AND STRUCTURAL WORK, SECURE ALL EXISTING STRUCTURE AND DECKING MATERIALS PRIOR TO REROOFING.

PENETRATIONS:

1. UNLESS SHOWN OTHERWISE, ALL EXISTING VENTS, FLUES AND OTHER PENETRATIONS TO REMAIN.

EXISTING WORK:

1. REMOVE AND REINSTALL EXISTING WORK ON ROOF AS REQUIRED TO ACCOMMODATE NEW WORK OR ROOFING.
2. PATCH OR REPLACE EXISTING INSULATION IN ATTIC AND CEILING SPACES TO MATCH WHERE DISTURBED OR REMOVED TO ACCOMMODATE STRUCTURAL OR OTHER WORK.
3. ALL EXISTING PLUMBING, MECHANICAL, ELECTRICAL WORK, CONDUITS, PIPES, WIRE, DUCTS, ETC, TO REMAIN SHALL BE SECURELY ANCHORED AND FUNCTION MAINTAINED. IF NECESSARY TO ACCOMMODATE NEW WORK, REMOVE AND REINSTALL OR REROUTE EXISTING WORK TO MAINTAIN FUNCTION.

KEYED ROOF DEMOLITION NOTES

EXISTING WORK NOTES:

E1 EXISTING TOWER TO REMAIN. NO WORK SCOPED.

E2 EXISTING SHEATHING TO REMAIN. REMOVE AND REINSTALL OR REPLACE AS REQUIRED TO PROVIDE ACCESS FOR WORK BELOW ROOF DECK. VERIFY NAILING AS NOTED IN STRUCTURAL DRAWINGS. TYPICAL ALL AREAS.

DEMOLITION WORK NOTES:

1. REMOVE EXISTING SHINGLE ROOFING SYSTEM, VALLEY FLASHING METAL, AND UNDERLAYMENT. COMPLETE DOWN TO EXISTING ROOF DECK.
2. REMOVE EXISTING LOW SLOPE ROOFING, INCLUDING ANY COVER BOARD, TAPERED INSULATION, FIREGUARD BOARD, ETC, DOWN TO EXISTING WOOD ROOF DECK. TYPICAL.
3. REMOVE EXISTING EDGE METAL, FASCIA, SOFFIT, AND TRIM. REMOVE ALL EXISTING EXTERIOR GYPSUM BOARD IN SOFFIT AREAS. TYPICAL ALL ROOF AREAS.
4. REMOVE EXISTING GUTTER.
5. REMOVE EXISTING DOWNSPOUT.
6. REMOVE EXISTING WALL FLASHINGS AT LOW ROOF-TO-WALL CONNECTION.
7. REMOVE EXISTING VALLEY METAL FLASHING.
8. REMOVE EXISTING LOW PROFILE ATTIC VENTS.
9. REMOVE EXISTING HVAC PENTHOUSE, VENT HOOD, OR OTHER WORK, INCLUDING CURB AND RELATED WORK, COMPLETE. SALVAGE PENTHOUSE OR HOOD FOR REINSTALLATION.
10. EXISTING VENT, FLUE, OR OTHER PENETRATION TO REMAIN. REMOVE EXISTING FLASHING, PRIOR TO REMOVAL OF ROOFING MATERIALS, INSTALL TEMPORARY METAL STRAP ON ALL EXISTING FLUES AND VENTS TO SECURE IN PLACE DURING CONSTRUCTION.
11. REMOVE EXISTING HEAT CABLE ON ROOF, IN GUTTERS, AND IN DOWNSPOUTS. MAINTAIN EXISTING ELECTRICAL CONNECTIONS FOR NEW CABLE TAPE IN EXISTING LOCATIONS. SEE ELECTRICAL DRAWINGS.
12. REMOVE EXISTING EXTERIOR SOFFIT-MOUNTED LIGHT FIXTURES AND WALL-MOUNTED LIGHT FIXTURES (NOT SHOWN ON THIS PLAN). SEE ELECTRICAL DRAWINGS.
13. REMOVE EXISTING MASONRY WALL DOWN TO ROOF DECK OR BELOW ROOF DECK. REMOVE PORTION OF EXISTING ROOF FRAMING AT EXISTING LOW SLOPE AREA WITHIN ABANDONED MECHANICAL ENCLOSURE ALCOVE. SEE STRUCTURAL DRAWINGS AND SHEET A121 FOR NEW WORK.
14. REMOVE EXISTING ABANDONED HVAC EQUIPMENT CURB.
15. REMOVE EXISTING SATELLITE DISH AND RELATED CABLE, CONDUITS.

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BRADLEY G. GYGI
No. 612725
LICENSED ARCHITECT

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OGDEN UT WEST STAKE
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: DEMOLITION ROOF PLAN

SHEET: D121

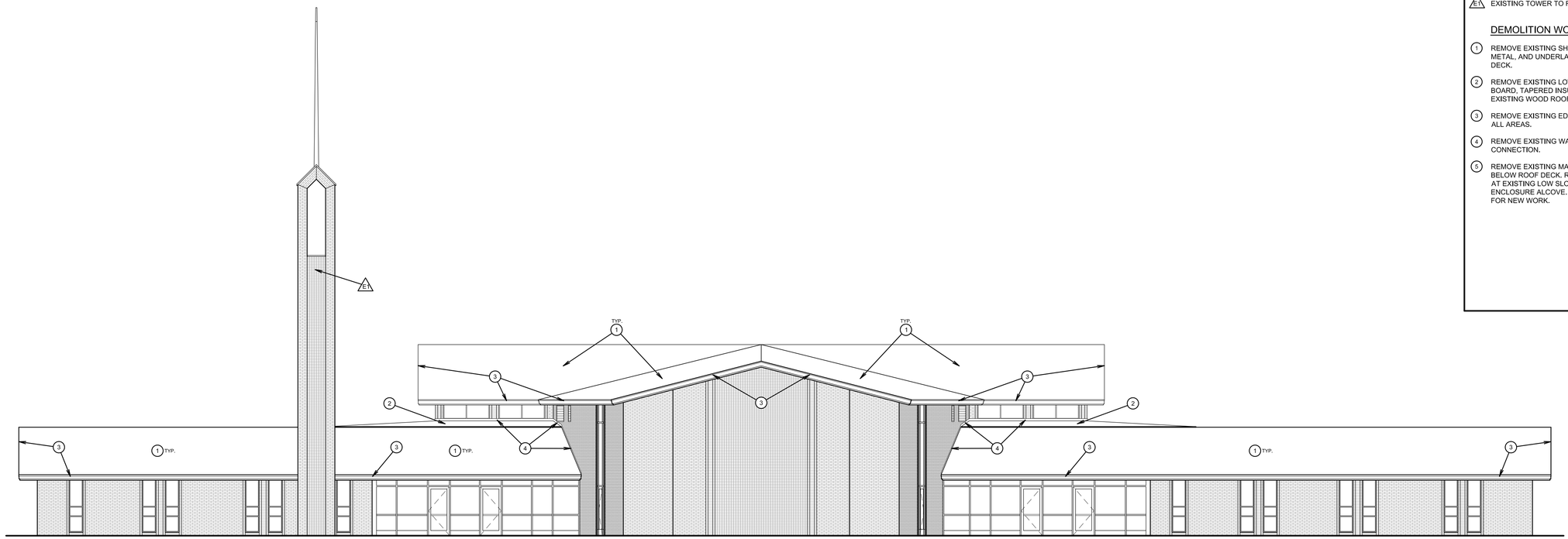
KEYED DEMOLITION NOTES

EXISTING WORK NOTES:

E1 EXISTING TOWER TO REMAIN. NO WORK SCOPED.

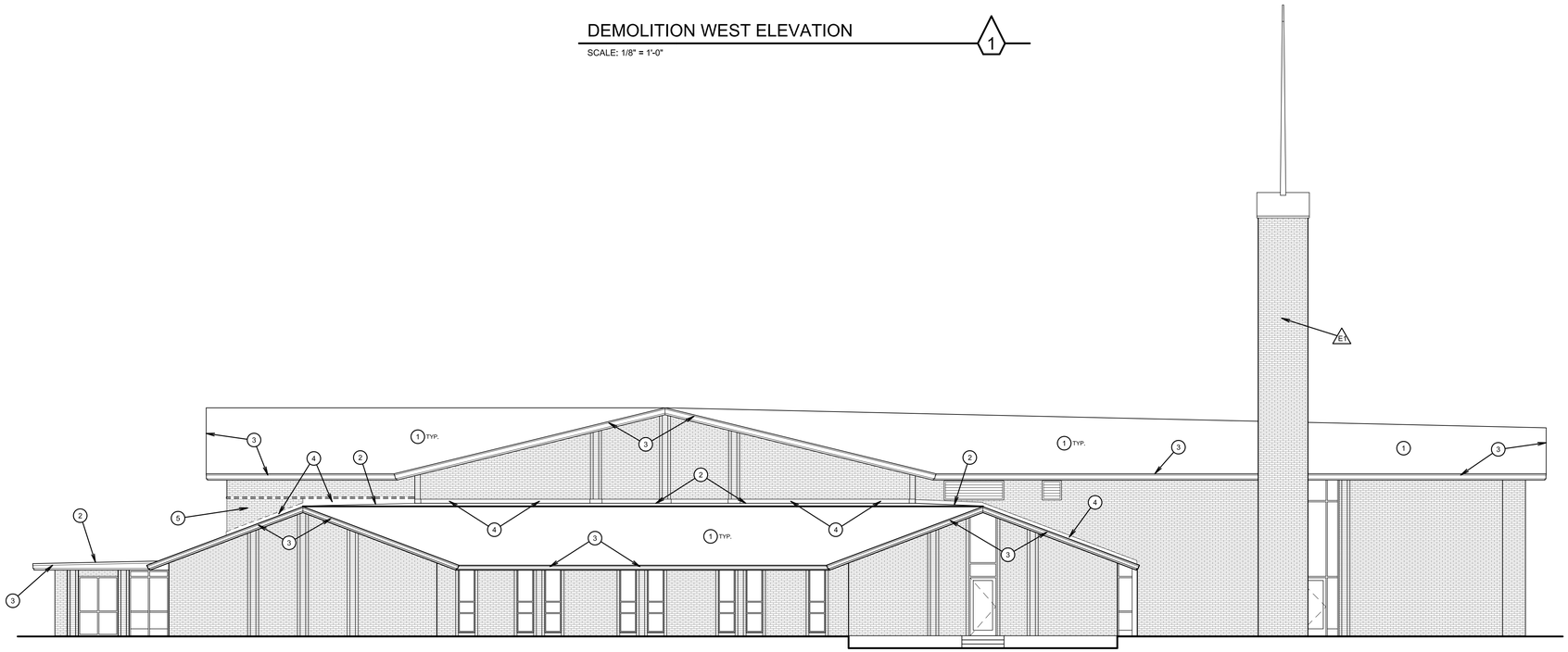
DEMOLITION WORK NOTES:

1. REMOVE EXISTING SHINGLE ROOFING SYSTEM, VALLEY FLASHING METAL, AND UNDERLAYMENT. COMPLETE DOWN TO EXISTING ROOF DECK.
2. REMOVE EXISTING LOW SLOPE ROOFING, INCLUDING ANY COVER BOARD, TAPERED INSULATION, FIREGUARD BOARD, ETC. DOWN TO EXISTING WOOD ROOF DECK. TYPICAL.
3. REMOVE EXISTING EDGE METAL, FASCIA, SOFFIT, AND TRIM. TYPICAL ALL AREAS.
4. REMOVE EXISTING WALL FLASHINGS AT LOW ROOF-TO-WALL CONNECTION.
5. REMOVE EXISTING MASONRY WALL DOWN TO ROOF DECK OR BELOW ROOF DECK. REMOVE PORTION OF EXISTING ROOF FRAMING AT EXISTING LOW SLOPE AREA WITHIN ABANDONED MECHANICAL ENCLOSURE ALCOVE. SEE STRUCTURAL DRAWINGS AND SHEET A121 FOR NEW WORK.



DEMOLITION WEST ELEVATION 1

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



DEMOLITION SOUTH ELEVATION 2

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

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STATE OF UTAH
11-14-2025
BRADLEY G. GYGI
No. 8112725
LICENSED ARCHITECT

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OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: DEMOLITION EXTERIOR ELEVATIONS

SHEET: D201

KEYED DEMOLITION NOTES

EXISTING WORK NOTES:

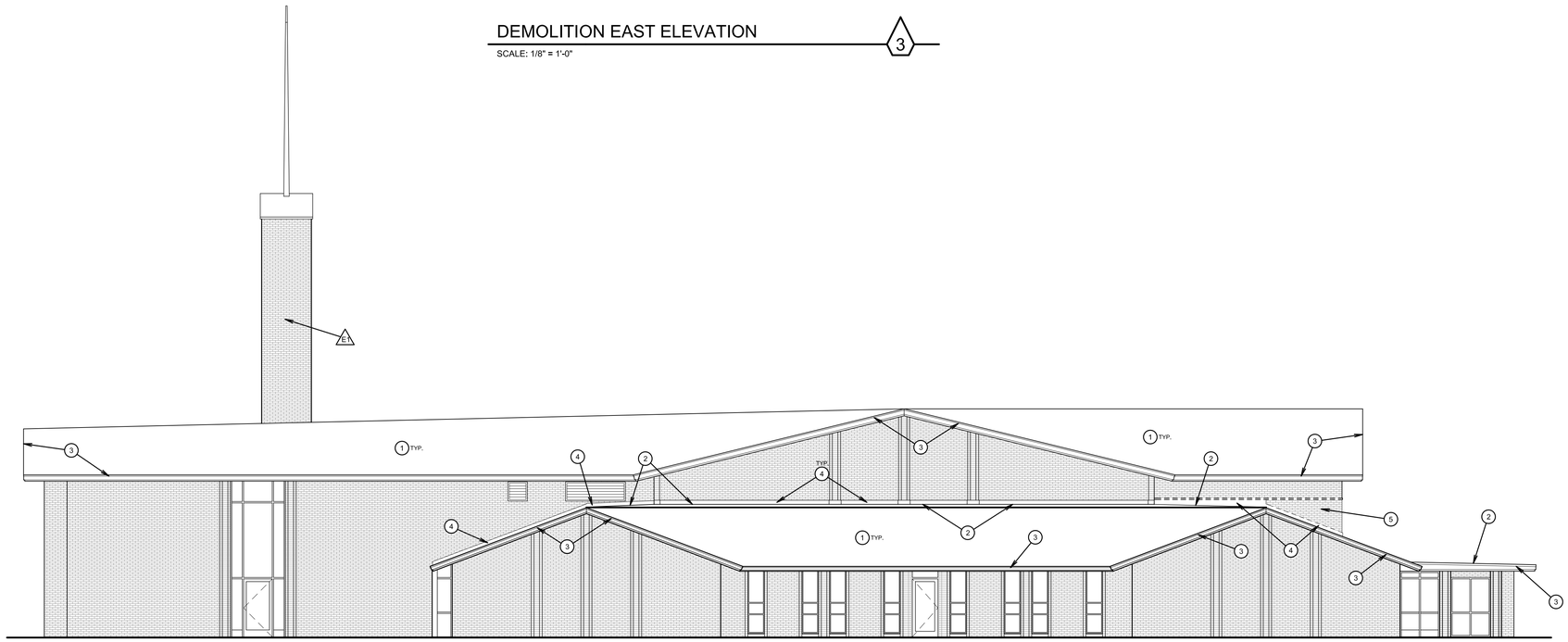
E1 EXISTING TOWER TO REMAIN. NO WORK SCOPED.

DEMOLITION WORK NOTES:

1. REMOVE EXISTING SHINGLE ROOFING SYSTEM, VALLEY FLASHING METAL, AND UNDERLAYMENT. COMPLETE DOWN TO EXISTING ROOF DECK.
2. REMOVE EXISTING LOW SLOPE ROOFING, INCLUDING ANY COVER BOARD, TAPERED INSULATION, FIREGUARD BOARD, ETC. DOWN TO EXISTING WOOD ROOF DECK, TYPICAL.
3. REMOVE EXISTING EDGE METAL, FASCIA, SOFFIT, AND TRIM. TYPICAL ALL AREAS.
4. REMOVE EXISTING WALL FLASHINGS AT LOW ROOF-TO-WALL CONNECTION.
5. REMOVE EXISTING MASONRY WALL DOWN TO ROOF DECK OR BELOW ROOF DECK. REMOVE PORTION OF EXISTING ROOF FRAMING AT EXISTING LOW SLOPE AREA WITHIN ABANDONED MECHANICAL ENCLOSURE ALCOVE. SEE STRUCTURAL DRAWINGS AND SHEET A121 FOR NEW WORK.

DEMOLITION EAST ELEVATION 3

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



DEMOLITION NORTH ELEVATION 4

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

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OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201

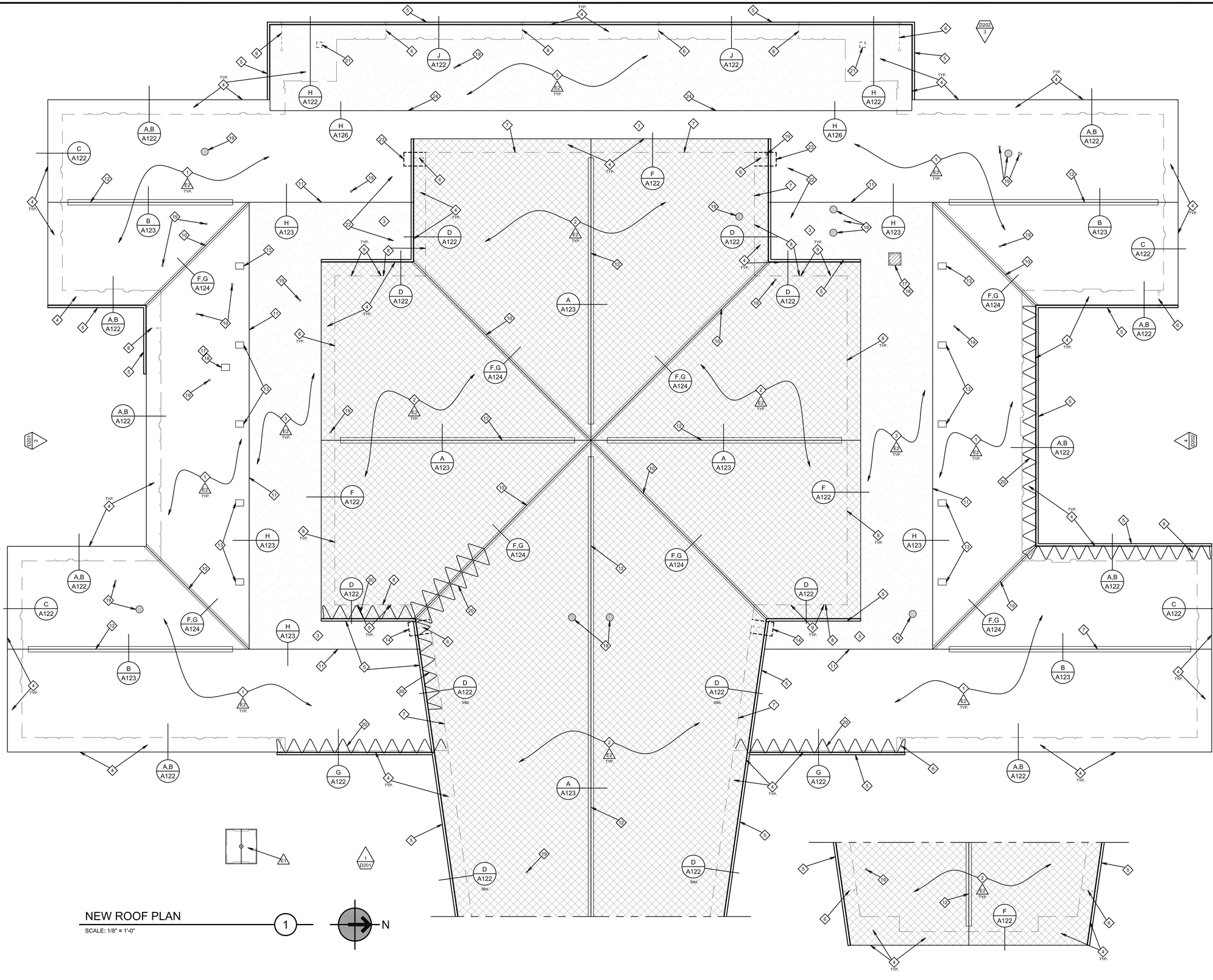
DATE: 14 NOV 2025

PROPERTY NUMBER: 5022533

DRAWN BY: BGG | CHECKED: BGG

SHEET TITLE: DEMOLITION EXTERIOR ELEVATIONS

SHEET: D202



GENERAL ROOFING NOTES

GENERAL:

1. CONTRACTOR IS RESPONSIBLE TO KEEP AREAS OF ROOFING WORK FREE FROM WATER DAMAGE DURING CONSTRUCTION.
2. ALL ROOF AREAS ARE TO BE SWEPT CLEAN AND KEPT CLEAN DURING DEMOLITION AND INSTALLATION.
3. SEE STRUCTURAL AND OTHER DRAWINGS FOR WORK WHICH OCCURS AT ROOF AND REQUIRES ADDITIONAL DEMOLITION FOR ACCESS. COORDINATE ALL WORK.

ROOF DECK:

1. ROOFING CONTRACTOR SHALL INSPECT THE ENTIRE ROOF DECK AREA TO ENSURE THAT IT HAS BEEN PROPERLY PREPARED TO RECEIVE NEW ROOFING. DO NOT PROCEED WITH ANY WORK UNTIL THE PROBLEMS HAVE BEEN CORRECTED.
2. AFTER COMPLETION OF DEMOLITION, SEISMIC, AND STRUCTURAL WORK, SECURE ALL EXISTING STRUCTURE AND DECKING MATERIALS PRIOR TO REROOFING.

PENETRATIONS:

1. UNLESS SHOWN OTHERWISE, ALL EXISTING VENTS, FLUES AND OTHER PENETRATIONS TO REMAIN.

EXISTING WORK:

1. REMOVE AND REINSTALL EXISTING WORK ON ROOF AS REQUIRED TO ACCOMMODATE NEW WORK OR ROOFING.
2. PATCH OR REPLACE EXISTING INSULATION IN ATTIC AND CEILING SPACES TO MATCH WHERE DISTURBED OR REMOVED TO ACCOMMODATE STRUCTURAL OR OTHER WORK.
3. ALL EXISTING PLUMBING, MECHANICAL, ELECTRICAL WORK, CONDUITS, PIPES, WIRE, DUCTS, ETC. TO REMAIN SHALL BE SECURELY ANCHORED AND FUNCTION MAINTAINED. IF NECESSARY TO ACCOMMODATE NEW WORK, REMOVE AND REINSTALL OR REROUTE EXISTING WORK TO MAINTAIN FUNCTION.

KEYED ROOF NOTES

EXISTING WORK NOTES:

E1 EXISTING TOWER TO REMAIN. NO WORK SCOPED.

E2 EXISTING SHEATHING TO REMAIN. REMOVE AND REINSTALL OR REPLACE AS REQUIRED TO PROVIDE ACCESS FOR WORK BELOW ROOF DECK. VERIFY NAILING AS NOTED IN STRUCTURAL DRAWINGS. TYPICAL ALL AREAS.

NEW WORK NOTES:

1. NEW ASPHALT SHINGLE ROOFING SYSTEM WITH SECONDARY UNDERLAYMENT AT ENTIRE ROOF AREA. COORDINATE WITH STRUCTURAL DRAWINGS FOR PLYWOOD SHEATHING.
2. NEW ASPHALT SHINGLE ROOFING SYSTEM WITH SECONDARY UNDERLAYMENT AT ENTIRE ROOF AREA. NEW VENTED NAILBASE INSULATION PANELS, EDGE NAILERS, SPACERS ON ROOF DECK.
3. NEW FULLY ADHERED PVC ROOFING SYSTEM WITH NEW 5/8" FIREGUARD BOARD, TAPERED INSULATION, AND GYPSUM COVER BOARD MECHANICALLY FASTENED TO ROOF. NEW 7/16" PLYWOOD SHEATHING ROOF DECK OVERLAY. SEE STRUCTURAL DRAWINGS.
4. NEW EDGE METAL, METAL FASCIA, SOFFIT, AND TRIM. SEE EDGE DETAILS SHEET A122. TYPICAL ALL AREAS.
5. NEW METAL GUTTER. SEE D/A125 AND H/A126.
6. NEW METAL DOWNSPOUT. SEE M/A123.
7. NEW WALL FLASHINGS AT LOW SHINGLE ROOF TO WALL CONNECTION. SEE J/A123 FOR SIDEWALL FLASHING AND K/A123 FOR HEADWALL FLASHING.
8. NEW WALL FLASHINGS AT LOW SINGLE PLY ROOF TO WALL CONNECTION. SEE F/A125.
9. NEW WINDOW SILL FLASHINGS TO PVC ROOFING. SEE G/A125.
10. NEW METAL VALLEY FLASHING. SEE F,G/A124.
11. NEW PVC-COATED METAL TRANSITION FLASHING FROM LOW-SLOPE ROOF TO SHINGLE ROOF BELOW. SEE H/A123.
12. NEW RIDGE VENT. SEE A/A123 AT HIGH ROOF AND B,C/A123 AT LOW ROOF. NEW VENTILATION OPENINGS IN ROOF DECK. SEE E/A124 FOR RIDGE SHINGLES WHERE NO RIDGE VENTS SHOWN.
13. NEW LOW-PROFILE ATTIC RELIEF VENT.
14. 30"± x 48"± PVC TRAFFIC SURFACE AT DOWNSPOUT.
15. METAL KICK-OUT FLASHING AT END OF WALL FLASHING. SEE D/A123.
16. NEW METAL CRICKET. SEE G/A123.
17. NEW RAISED CURB / SUPPORT FOR MECHANICAL EQUIPMENT, PENTHOUSE, EXHAUST FAN. SEE G/A123. COORDINATE DETAILS AND SIZE REQUIRED WITH EXISTING CONDITIONS AND EQUIPMENT.
18. REINSTALL EXISTING EXHAUST FAN, PENTHOUSE OR MECHANICAL EQUIPMENT ON NEW CURB.
19. NEW FLASHING AT EXISTING VENT OR FLUE PIPING. SEE E,F/A123 ADN B,C/A126. EXTEND AS REQUIRED TO BE 10" MINIMUM ABOVE ROOF. PAINT ALL EXISTING VENT PIPES TO MATCH SHINGLE AND FLASHING COLOR.
20. NEW ICE MELT SYSTEM WITH HEAT CABLES. SEE ELECTRICAL DRAWINGS. INSTALL ON ROOF WHERE SHOWN, AND IN ADJACENT GUTTERS AND DOWNSPOUTS. MAINTAIN EXISTING ELECTRICAL CONNECTIONS FOR NEW CABLE TAPE IN EXISTING LOCATIONS. SEE H/A124.
21. NEW LIGHT FIXTURE RECESSED IN NEW SOFFIT IN EXISTING LOCATION. NEW WALL-MOUNTED LIGHT FIXTURES (NOT SHOWN ON THIS PLAN). SEE ELECTRICAL DRAWINGS.
22. NEW ROOF FRAMING AND SHEATHING TO MATCH EXISTING ADJACENT SLOPE WHERE EXISTING ROOF FRAMING IS REMOVED. SEE STRUCTURAL DRAWINGS FOR NEW FRAMING.
23. METAL SPLASH PAN. SEE L/A123.
24. NEW PVC-COATED METAL TRANSITION FLASHING FROM SHINGLE ROOF TO LOW-SLOPE ROOF BELOW. SEE H/A125.

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No. 8112725
LICENSED ARCHITECT

TAYLOR 1,2,3,4
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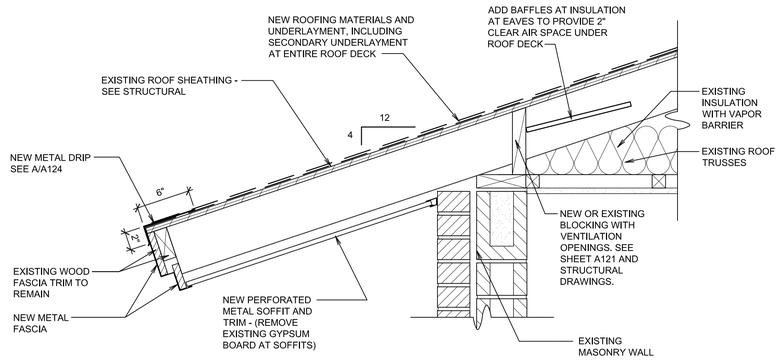
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: NEW ROOF PLAN

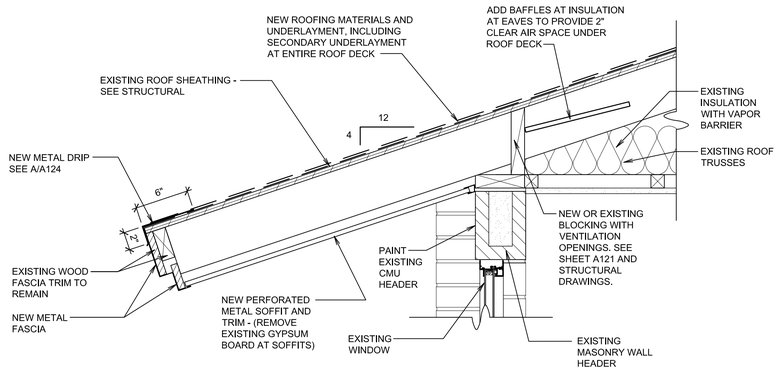
SHEET: A121



SLOPED ROOF EAVE EDGE DETAIL - LOW ROOF

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

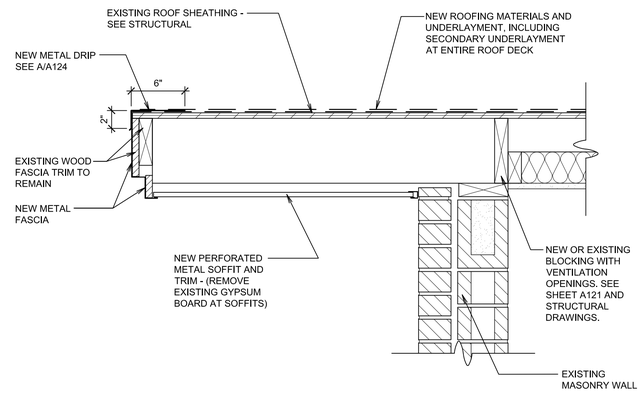
A



SLOPED ROOF EAVE EDGE DETAIL - LOW ROOF WINDOW

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

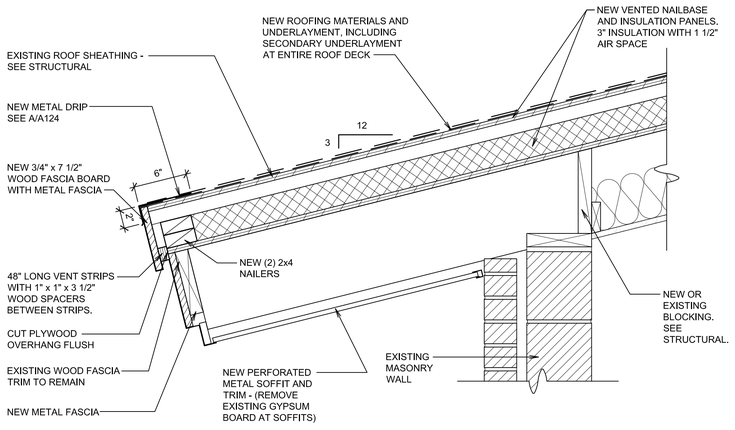
B



SLOPED ROOF RAKE EDGE DETAIL - LOW ROOF

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

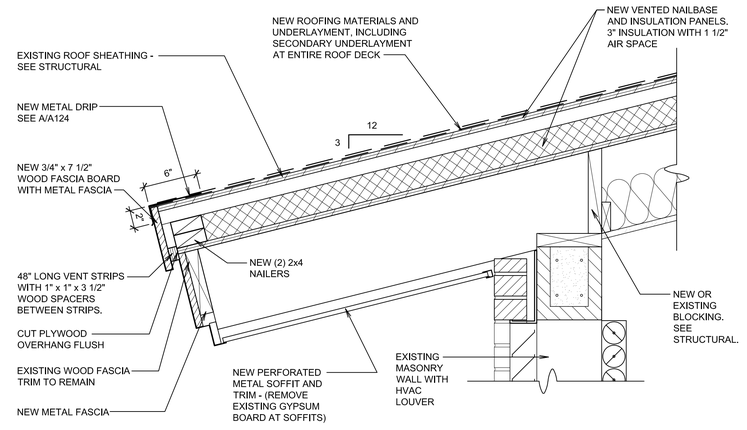
C



SLOPED ROOF EAVE EDGE DETAIL - HIGH ROOF

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

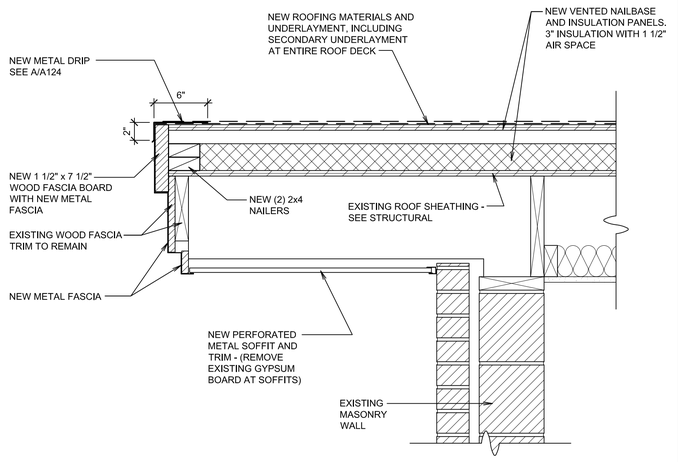
D



SLOPED ROOF RAKE EDGE DETAIL - HIGH ROOF LOUVER

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

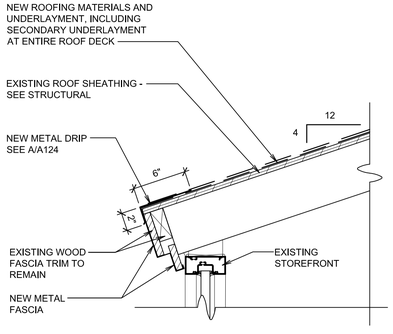
E



SLOPED ROOF RAKE EDGE DETAIL - HIGH ROOF

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

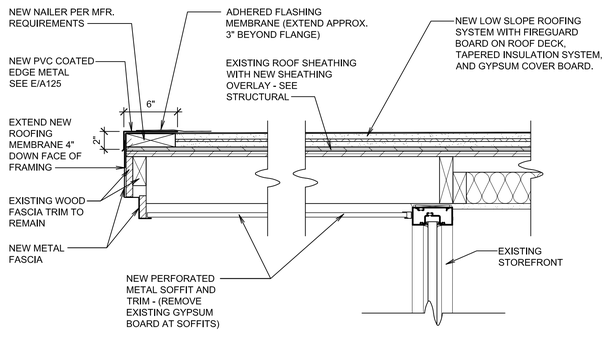
F



ROOF EAVE EDGE DETAIL - VESTIBULE

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

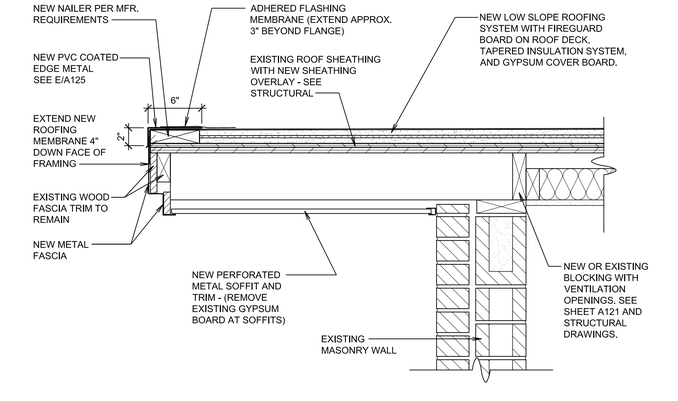
G



LOW SLOPE ROOF EAVE EDGE DETAIL - VESTIBULE

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

H



LOW SLOPE ROOF EAVE EDGE DETAIL - LOW ROOF

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

J

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PROJECT FOR:
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PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
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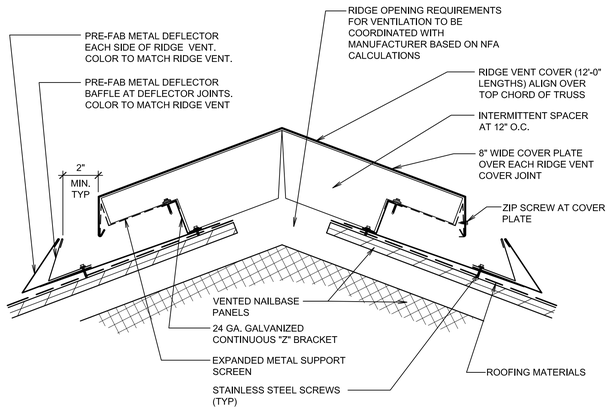
CHECKED: BGG

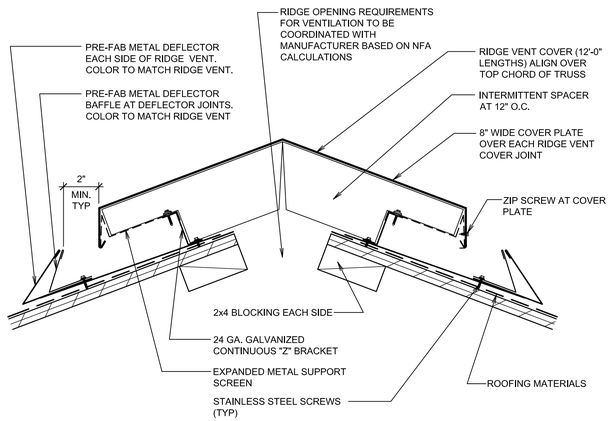
SHEET TITLE: ROOFING DETAILS

SHEET: A122



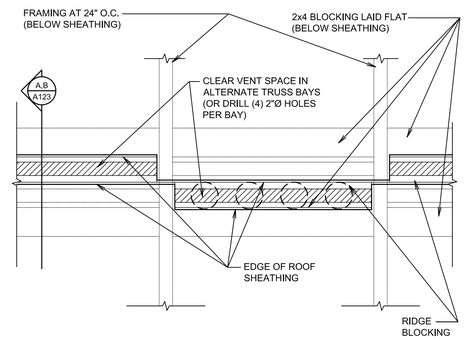
RIDGE VENT DETAIL — A

NOT TO SCALE



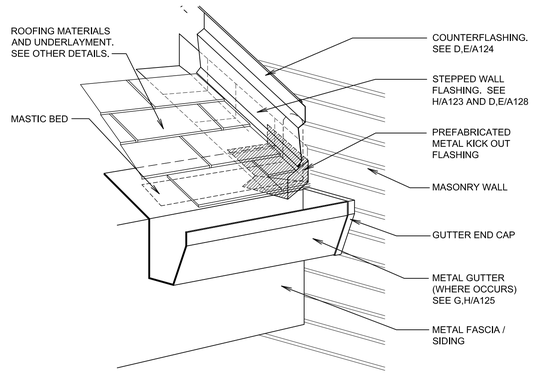
RIDGE VENT DETAIL — B

NOT TO SCALE



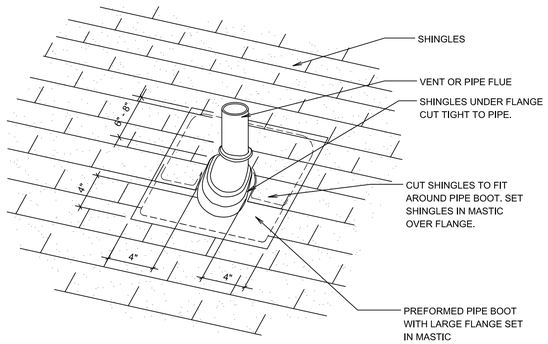
SECTION — C

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



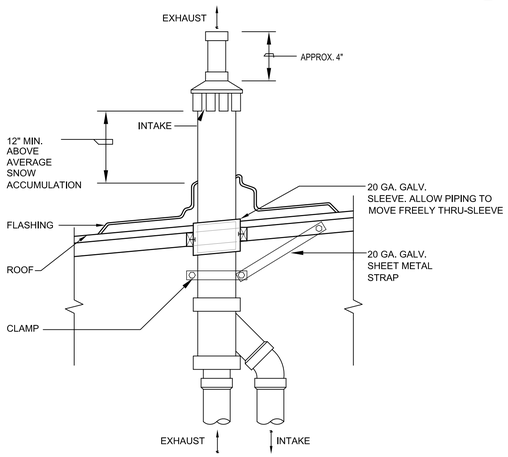
KICK OUT FLASHING — D

NOT TO SCALE



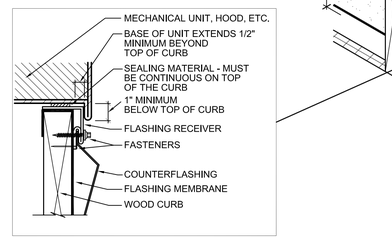
SLOPED ROOF PIPE BOOT FLANGE DETAIL — E

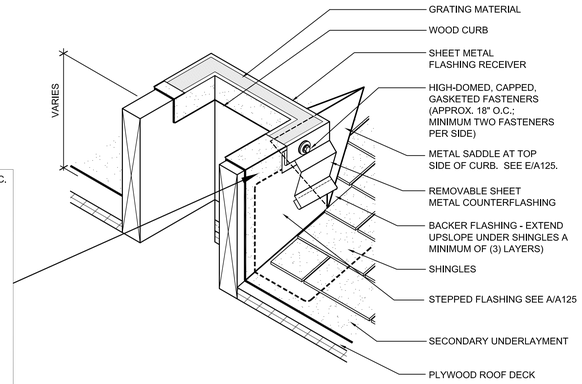
NOT TO SCALE



FLUE THRU ROOF DETAIL — F

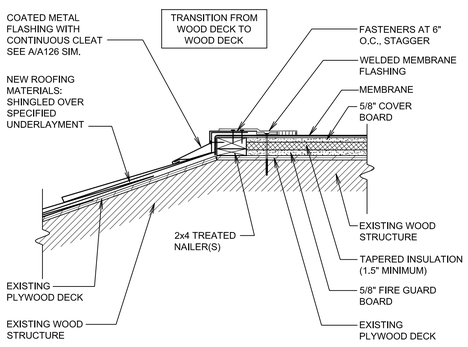
NOT TO SCALE





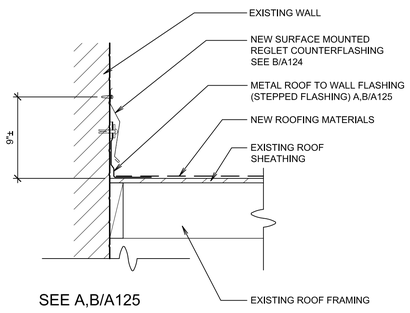
RAISED CURB DETAIL — G

NOT TO SCALE



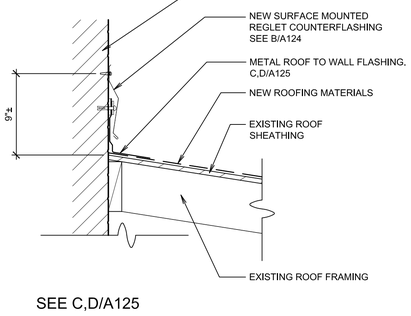
ROOFING TRANSITION DETAIL — H

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



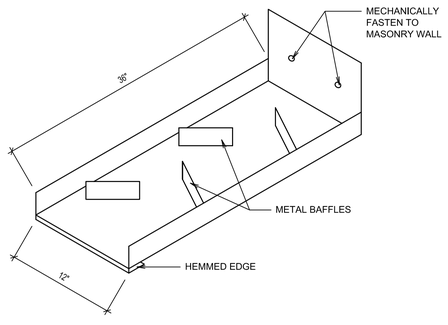
SIDEWALL FLASHING AND COUNTERFLASHING DETAIL — J

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



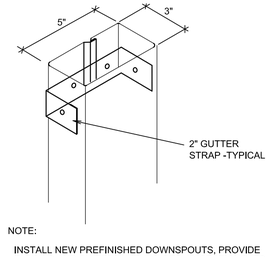
HEADWALL FLASHING AND COUNTERFLASHING DETAIL — K

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



SPLASH PAN DETAIL — L

NOT TO SCALE



NOTE:

INSTALL NEW PREFINISHED DOWNSPOUTS, PROVIDE ELBOWS AND SWEEPS WITH (2) PER 40' SECTIONS (TO MATCH GUTTER). SPLASH BLOCKS WHERE INDICATED.

DOWNSPOUT DETAIL — M

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

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STATE OF UTAH — 11-14-2025 — BRADLEY G. GYGI — No. 6112725 — LICENSED ARCHITECT

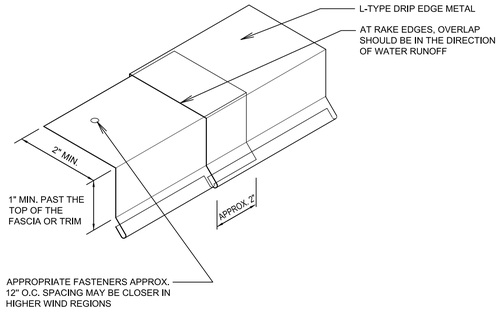
TAYLOR 1,2,3,4
OGDEN UT WEST STAKE
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: ROOFING DETAILS

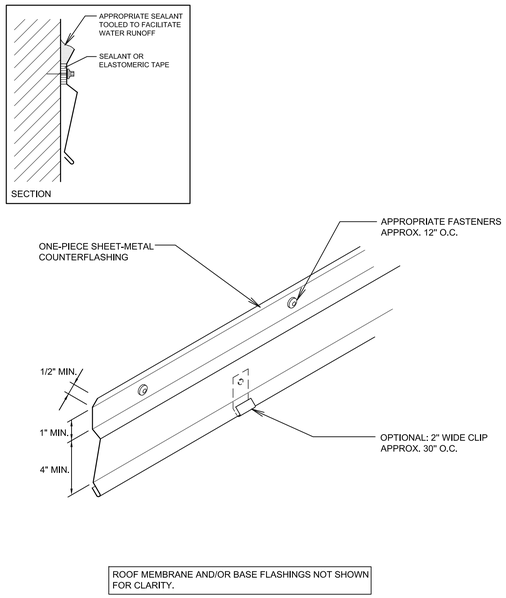
SHEET: A123



DRIP EDGE METAL

SCALE: NONE

A

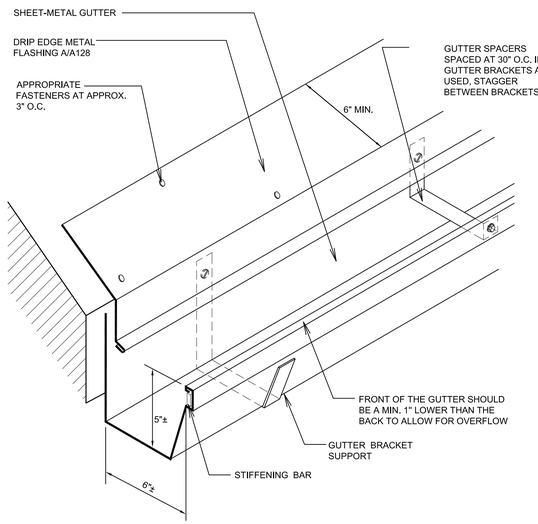


ROOF MEMBRANE AND/OR BASE FLASHINGS NOT SHOWN FOR CLARITY.

ONE PIECE REGLET SURFACE-MOUNTED COUNTERFLASHING

SCALE: NONE

B

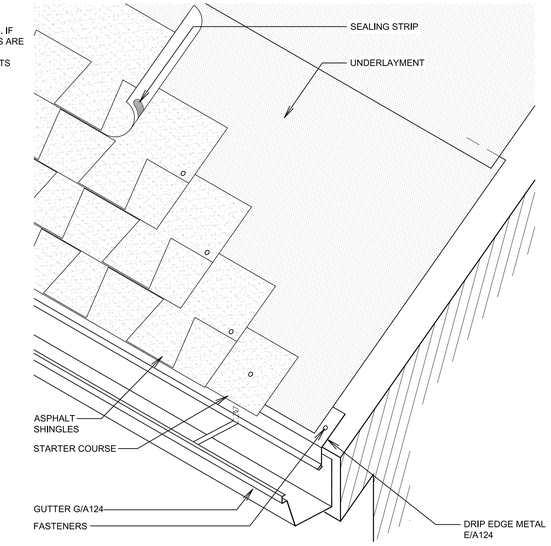


ROOF COVERING AND UNDERLAYMENT NOT SHOWN FOR CLARITY

GUTTER WITH METAL DRIP EDGE

SCALE: NONE

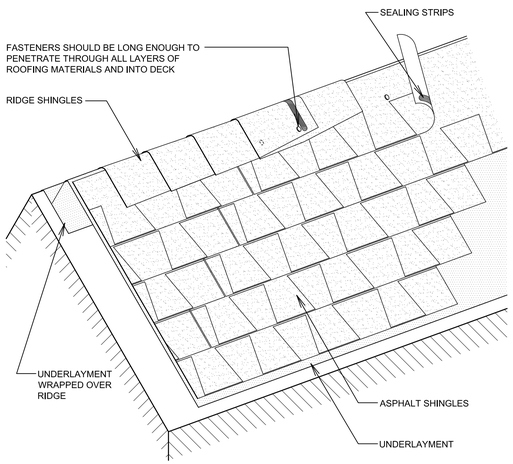
C



EAVE WITH DRIP EDGE AND GUTTER AT STEEP SLOPE ROOF SYSTEMS

SCALE: NONE

D

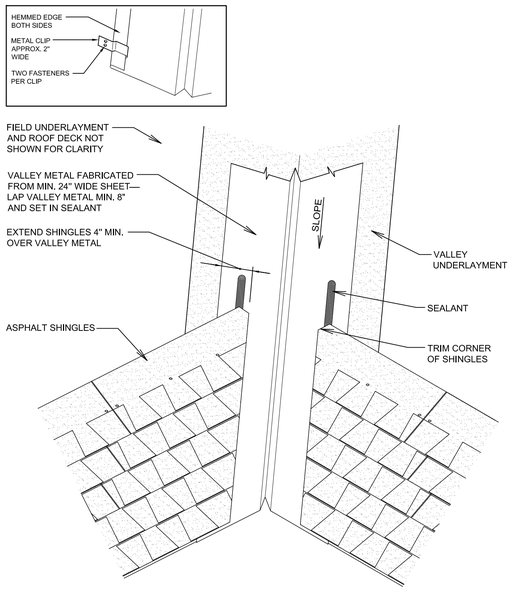


USE SHINGLE MANUFACTURERS SPECIAL RIDGE SHINGLES. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

RIDGE SHINGLES AT RIDGE SHINGLE DETAIL NON-VENTED AREAS

SCALE: NONE

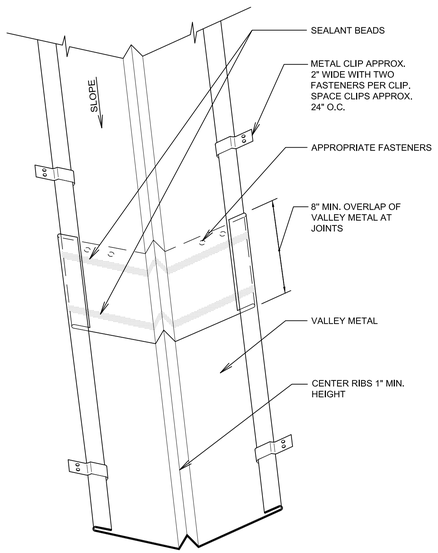
E



OPEN VALLEY

SCALE: NONE

F

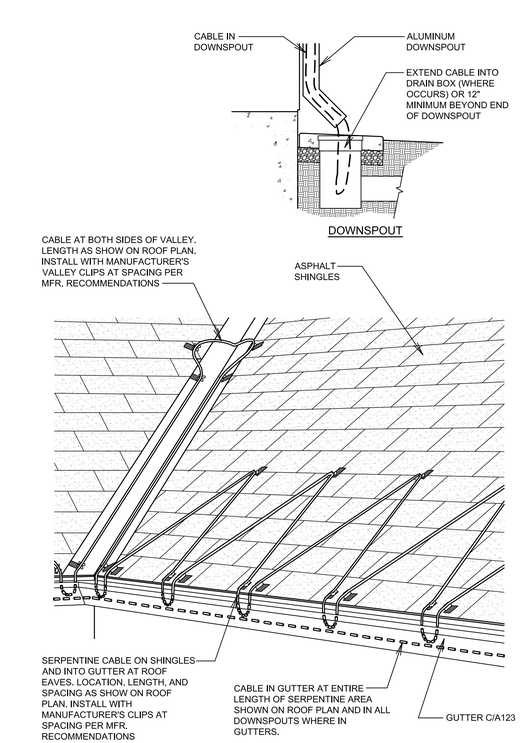


ROOF COVERING, FIELD UNDERLAYMENT, VALLEY UNDERLAYMENT AND ROOF DECK NOT SHOWN FOR CLARITY. THIS DETAIL DEPICTS THE OVERLAP JOINT ONLY.

VALLEY METAL WITH MAJOR CENTER RIB

SCALE: NONE

G



HEAT CABLE ON SHINGLES

SCALE: NONE

H

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STATE OF UTAH
11-14-2025
BRADLEY G. GYGI
No. 8112725
LICENSED ARCHITECT

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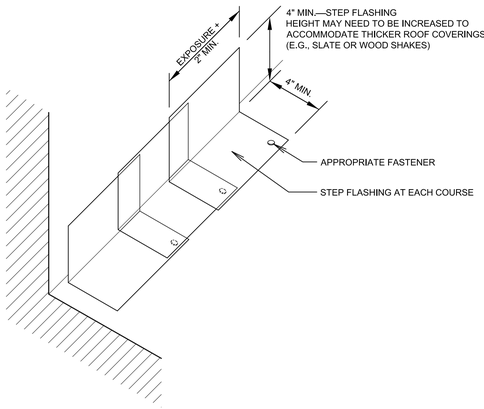
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: ROOFING DETAILS

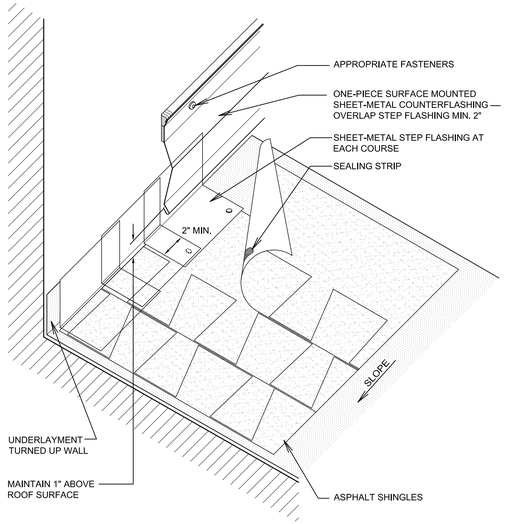
SHEET: A124



ROOF COVERING, UNDERLAYMENT AND COUNTERFLASHING NOT SHOWN FOR CLARITY

SIDEWALL FLASHING (STEPPED FLASHING)

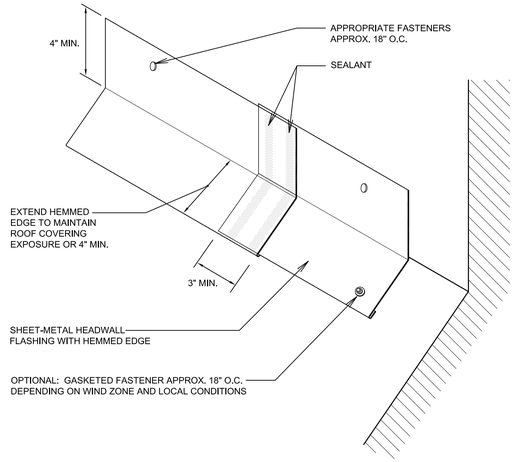
SCALE: NONE — A



FOR SECUREMENT AND JOINERY OPTIONS FOR SHEET METAL AND COUNTERFLASHING OPTIONS, REFER TO THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING.

SIDEWALL FLASHING WITH ONE PIECE REGLET COUNTERFLASHING

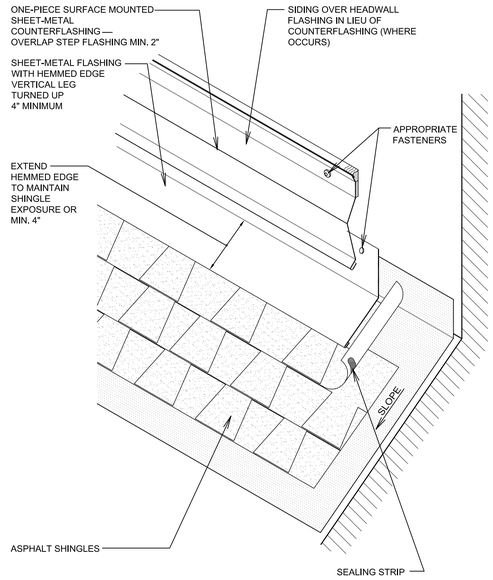
SCALE: NONE — B



ROOF COVERING, UNDERLAYMENT AND COUNTERFLASHING NOT SHOWN FOR CLARITY

HEADWALL FLASHING

SCALE: NONE — C



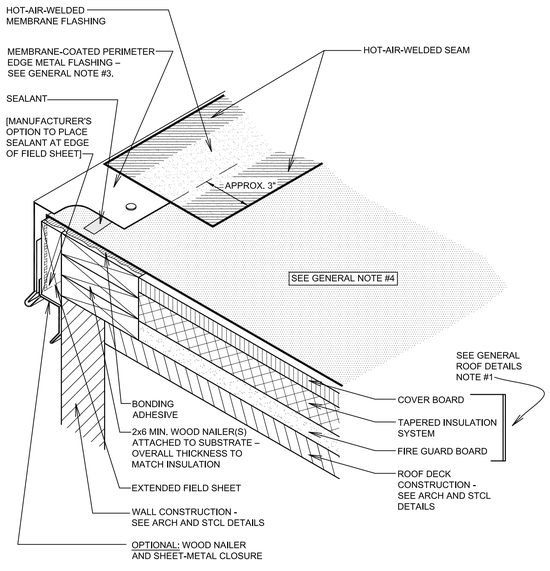
FOR SECUREMENT AND JOINERY OPTIONS FOR SHEET METAL AND COUNTERFLASHING OPTIONS, REFER TO THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING.

HEADWALL FLASHING WITH ONE PIECE REGLET COUNTERFLASHING

SCALE: NONE — D

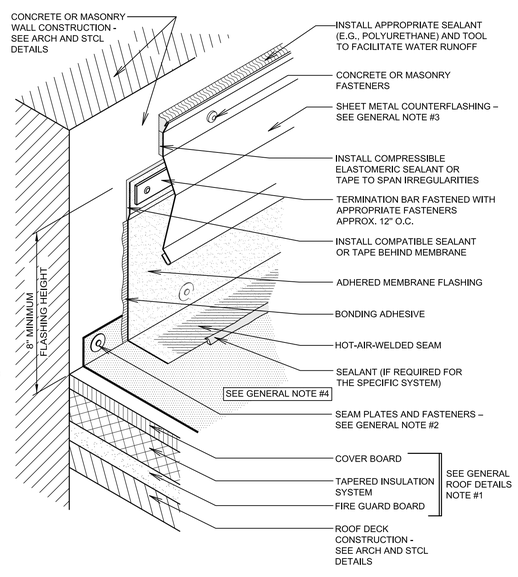
GENERAL NOTES FOR ROOFING DETAILS:

1. REFER TO ROOF PLAN, SHEET A121 AND MEMBRANE ROOFING SPECIFICATION(S) IN SECTIONS 07 5000 FOR MEMBRANE TYPE AND THICKNESS, AND COVER BOARD, TAPERED INSULATION AND FIRE GUARD BOARD THICKNESSES AND REQUIREMENTS.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COPINGS, FASCIA CAPS, GRAVEL STOPS, PERIMETER EDGE METAL, COUNTER FLASHINGS, COVERS, PENETRATION POCKETS, SCUPPERS, EXPANSION JOINT COVERS AND SHEET METAL HOODS.
4. REFER TO MANUFACTURERS' SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR BASE MEMBRANE ATTACHMENT AND PLACEMENT. MECHANICALLY ATTACHED SYSTEMS GENERALLY HAVE SPECIFIC ATTACHMENT REQUIREMENTS FOR PERIMETER LOCATIONS, PENETRATION LOCATIONS AND ROOF DRAINS.
5. REFER TO The NRCA Roofing Manual: Membrane Roof Systems—2015, INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.



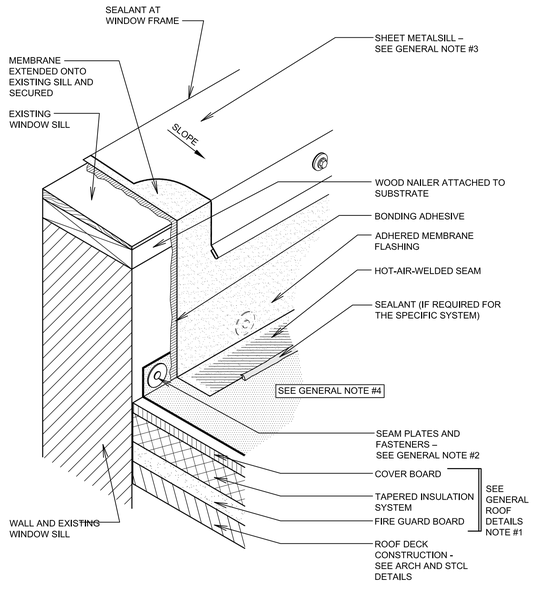
DRAINING PERIMETER EDGE METAL WITH MEMBRANE COATING

SCALE: NONE — E



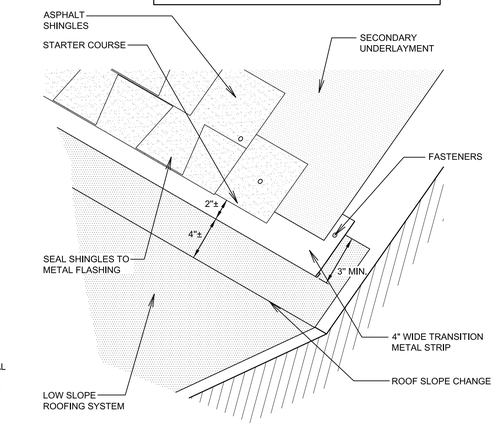
BASE FLASHING WITH SURFACE-MOUNTED COUNTER FLASHING

SCALE: NONE — F



BASE FLASHING AT WINDOW SILL WITH METAL TRIM

SCALE: NONE — G



METAL FLASHING TRANSITION BETWEEN STEEP SLOPE AND LOW SLOPE ROOF

SCALE: NONE — H

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STATE OF UTAH — 11-14-2025 — BRADLEY G. GYGI — No. 6112725 — LICENSED ARCHITECT

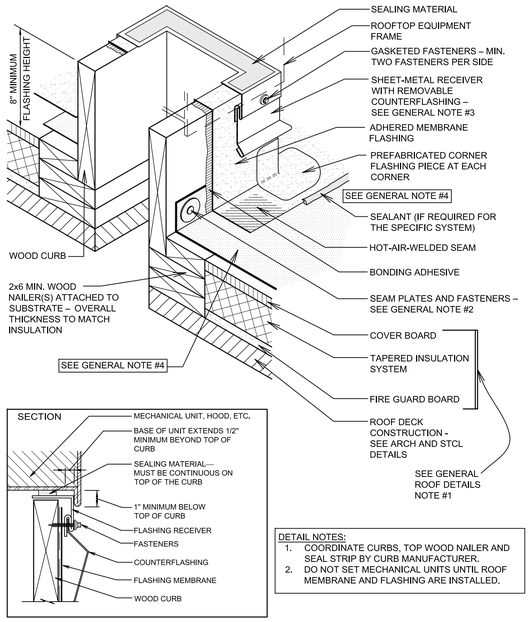
TAYLOR 1,2,3,4
OGDEN UT WEST STAKE
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: ROOFING DETAILS

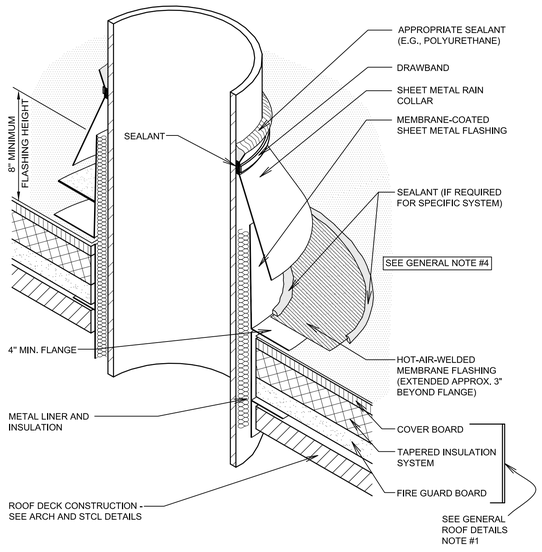
SHEET: A125



DETAIL NOTES:
1. COORDINATE CURBS, TOP WOOD NAILER AND SEAL STRIP BY CURB MANUFACTURER.
2. DO NOT SET MECHANICAL UNITS UNTIL ROOF MEMBRANE AND FLASHING ARE INSTALLED.

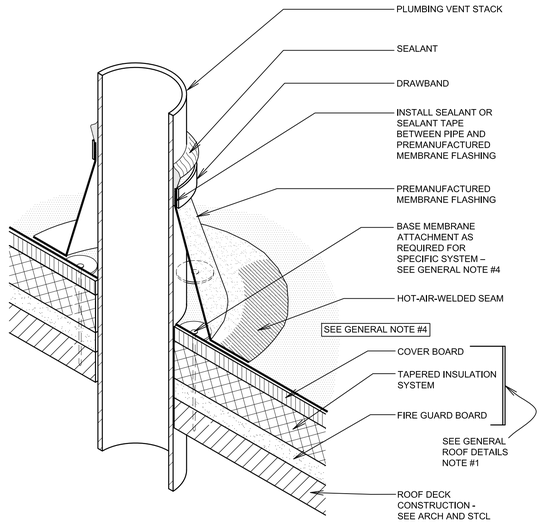
BASE FLASHING AT WOOD CURB (A)

SCALE: NONE



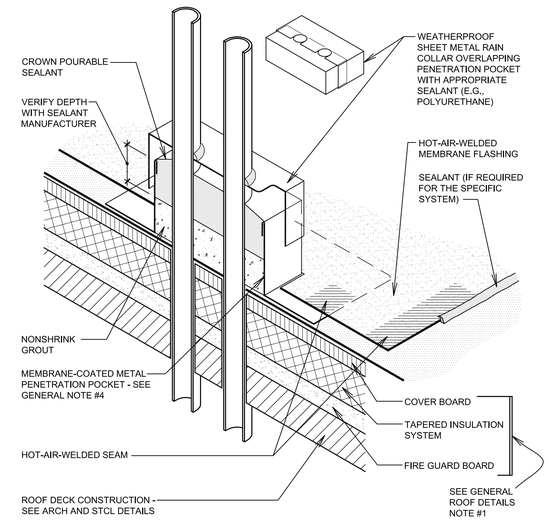
SHEET METAL STACK VENT (HOT OR COLD) (B)

SCALE: NONE



PLUMBING VENT (PREMANUFACTURED BOOT) (C)

SCALE: NONE

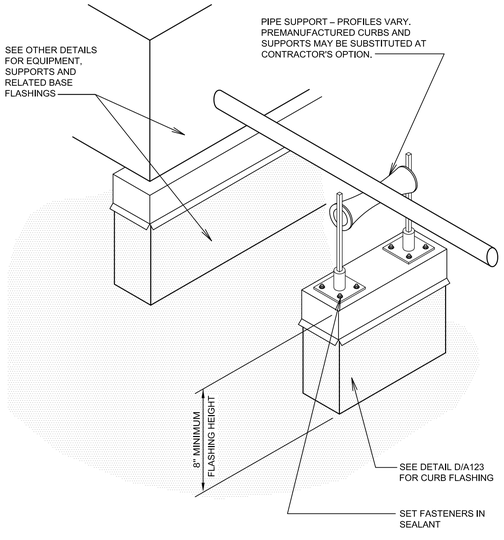


MEMBRANE-COATED METAL PENETRATION POCKET - DOUBLE PENETRATION (D)

SCALE: NONE

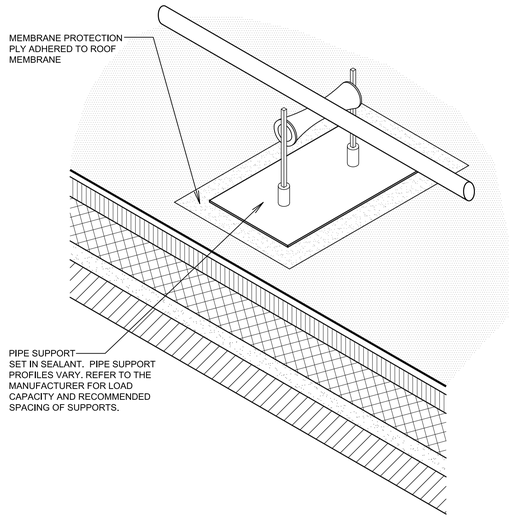
GENERAL NOTES FOR ROOFING DETAILS:

SEE SHEET A126 FOR GENERAL NOTES



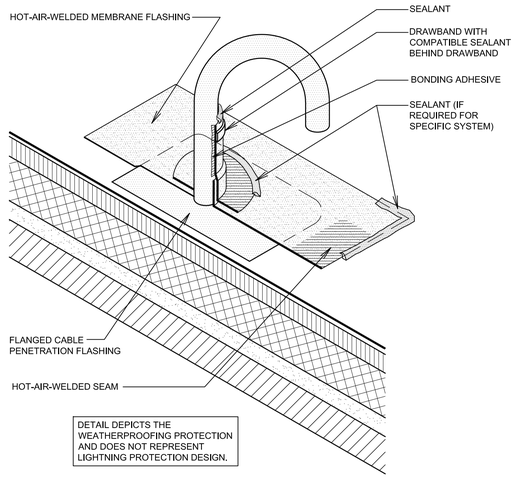
PIPE SUPPORT CURB (E)

SCALE: NONE



PIPE SUPPORT (F)

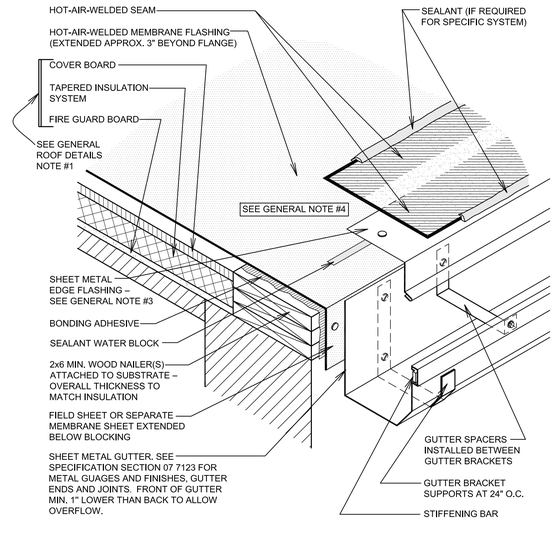
SCALE: NONE



DETAIL DEPICTS THE WEATHERPROOFING PROTECTION AND DOES NOT REPRESENT LIGHTNING PROTECTION DESIGN.

CABLE PENETRATION (G)

SCALE: NONE



METAL GUTTER WITH MEMBRANE-COATED PERIMETER EDGE METAL (H)

SCALE: NONE

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STATE OF UTAH
11-14-2025
BRADLEY G. GYGI
No. 6112725
LICENSED ARCHITECT

TAYLOR 1,2,3,4
OGDEN UT WEST STAKE
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: ROOFING DETAILS

SHEET: A126

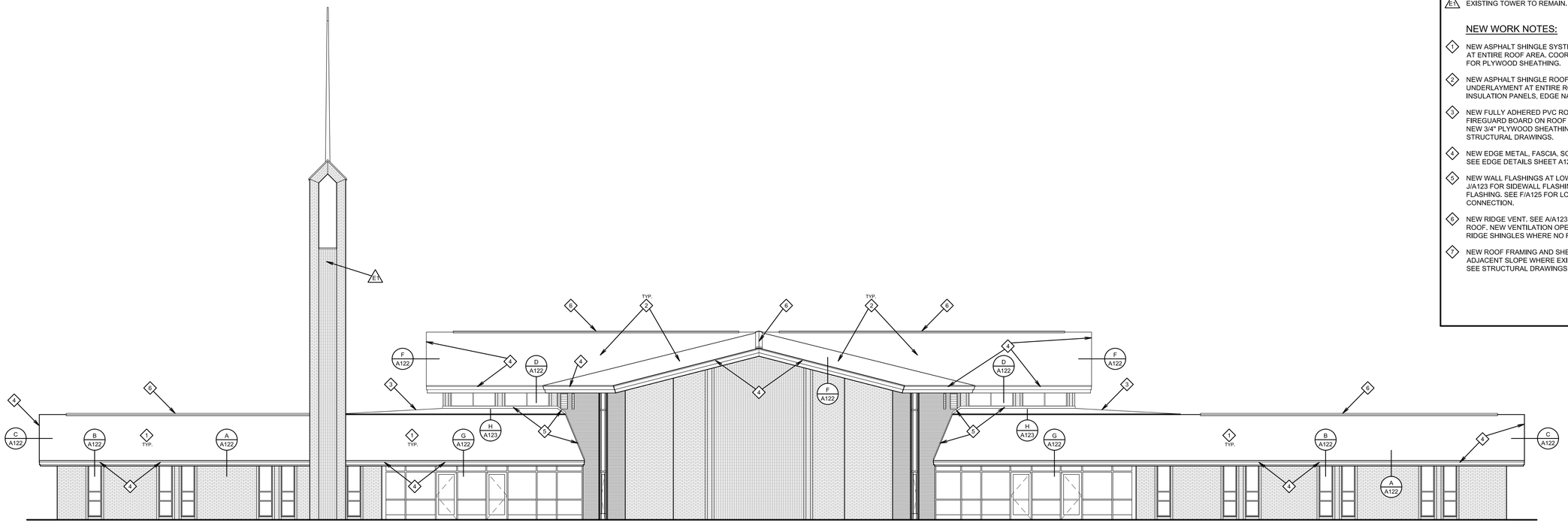
KEYED NOTES

EXISTING WORK NOTES:

E1 EXISTING TOWER TO REMAIN. NO WORK SCOPED.

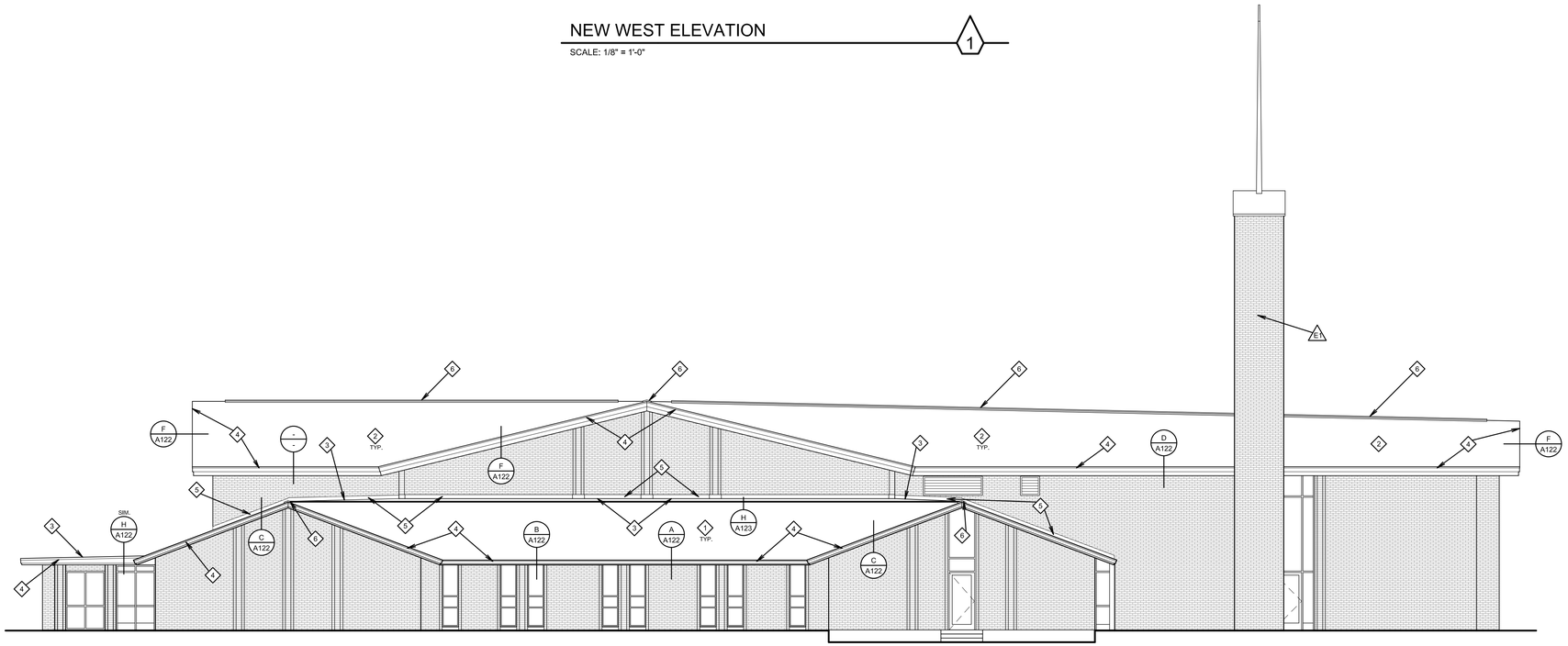
NEW WORK NOTES:

1. NEW ASPHALT SHINGLE SYSTEM WITH SECONDARY UNDERLAYMENT AT ENTIRE ROOF AREA. COORDINATE WITH STRUCTURAL DRAWINGS FOR PLYWOOD SHEATHING.
2. NEW ASPHALT SHINGLE ROOFING SYSTEM WITH SECONDARY UNDERLAYMENT AT ENTIRE ROOF AREA. NEW VENTED NAILBASE INSULATION PANELS, EDGE NAILERS, SPACERS ON ROOF DECK.
3. NEW FULLY ADHERED PVC ROOFING SYSTEM WITH NEW 5/8" FIREGUARD BOARD ON ROOF MECHANICALLY FASTENED TO ROOF NEW 3/4" PLYWOOD SHEATHING ROOF DECK. COORDINATE WITH STRUCTURAL DRAWINGS.
4. NEW EDGE METAL, FASCIA, SOFFIT, AND TRIM. TYPICAL ALL AREAS. SEE EDGE DETAILS SHEET A122.
5. NEW WALL FLASHINGS AT LOW ROOF TO WALL CONNECTIONS. SEE J/A123 FOR SIDEWALL FLASHING AND K/A123 FOR HEADWALL FLASHING. SEE F/A125 FOR LOW SINGLE PLY ROOF TO WALL CONNECTION.
6. NEW RIDGE VENT. SEE A/A123 AT HIGH ROOF AND B,C/A123 AT LOW ROOF. NEW VENTILATION OPENINGS IN ROOF DECK. SEE E/A124 FOR RIDGE SHINGLES WHERE NO RIDGE VENTS SHOWN.
7. NEW ROOF FRAMING AND SHEATHING TO MATCH EXISTING ADJACENT SLOPE WHERE EXISTING ROOF FRAMING IS REMOVED. SEE STRUCTURAL DRAWINGS AND SHEET A121 FOR NEW WORK.



NEW WEST ELEVATION 1

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



NEW SOUTH ELEVATION 2

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

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801 · 747 · 2451

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STATE OF UTAH
11-14-2025
BRADLEY G. GYGI
No. 8112725
LICENSED ARCHITECT

TAYLOR 1,2,3,4
OGDEN UT WEST STAKE
2167 SOUTH 4300 WEST
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: BGG
CHECKED: BGG

SHEET TITLE: NEW EXTERIOR ELEVATIONS

SHEET: A201

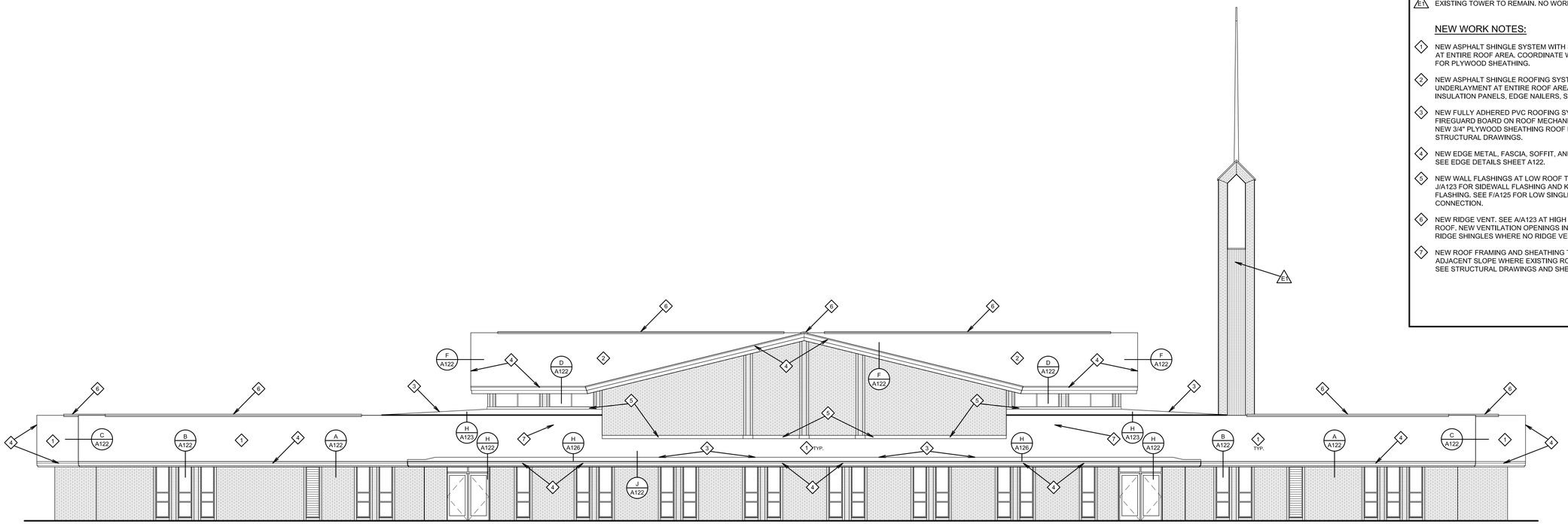
KEYED NOTES

EXISTING WORK NOTES:

E1 EXISTING TOWER TO REMAIN. NO WORK SCOPED.

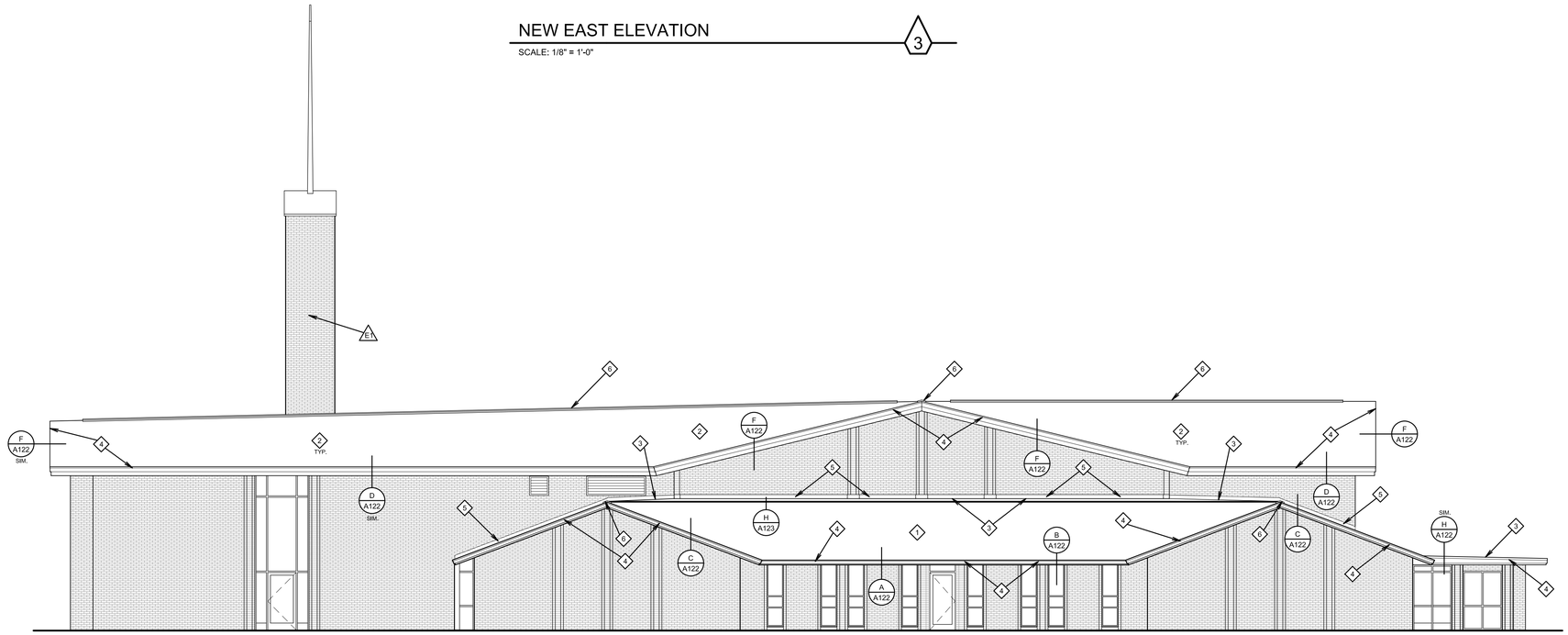
NEW WORK NOTES:

1. NEW ASPHALT SHINGLE SYSTEM WITH SECONDARY UNDERLAYMENT AT ENTIRE ROOF AREA. COORDINATE WITH STRUCTURAL DRAWINGS FOR PLYWOOD SHEATHING.
2. NEW ASPHALT SHINGLE ROOFING SYSTEM WITH SECONDARY UNDERLAYMENT AT ENTIRE ROOF AREA. NEW VENTED NAILBASE INSULATION PANELS, EDGE NAILERS, SPACERS ON ROOF DECK.
3. NEW FULLY ADHERED PVC ROOFING SYSTEM WITH NEW 5/8" FIREGUARD BOARD ON ROOF MECHANICALLY FASTENED TO ROOF NEW 3/4" PLYWOOD SHEATHING ROOF DECK. COORDINATE WITH STRUCTURAL DRAWINGS.
4. NEW EDGE METAL, FASCIA, SOFFIT, AND TRIM. TYPICAL ALL AREAS. SEE EDGE DETAILS SHEET A122.
5. NEW WALL FLASHINGS AT LOW ROOF TO WALL CONNECTIONS. SEE J/A123 FOR SIDEWALL FLASHING AND K/A123 FOR HEADWALL FLASHING. SEE F/A125 FOR LOW SINGLE PLY ROOF TO WALL CONNECTION.
6. NEW RIDGE VENT. SEE A/A123 AT HIGH ROOF AND B,C/A123 AT LOW ROOF. NEW VENTILATION OPENINGS IN ROOF DECK. SEE E/A124 FOR RIDGE SHINGLES WHERE NO RIDGE VENTS SHOWN.
7. NEW ROOF FRAMING AND SHEATHING TO MATCH EXISTING ADJACENT SLOPE WHERE EXISTING ROOF FRAMING IS REMOVED. SEE STRUCTURAL DRAWINGS AND SHEET A121 FOR NEW WORK.



NEW EAST ELEVATION 3

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



NEW NORTH ELEVATION 4

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

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SHEET: A202

STRUCTURAL NOTES :

A. GENERAL

1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
2. THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC).
3. THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANTS DRAWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
4. SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS. PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
6. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS.
8. OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
9. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS.
10. TYPICAL OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT NECESSARILY DETAILS LABELED "TYPICAL" OR "SIMILAR" IN THE PLANS AND DOCUMENTS.
11. DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM; HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND INSTALL ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED.
13. ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS PRESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE DOCUMENTS.
14. NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW ENGINEERS, ALL RIGHTS RESERVED. THESE DOCUMENTS DEFINE A STRUCTURE AND ARE INSTRUMENTS OF SERVICE, FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
15. WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.12 AND 1705.13 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEET ***X.XX***.
2. SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.
3. ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS. REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR, ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
4. STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED CONSTRUCTION.
5. IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

1. GOVERNING BUILDING CODE : INTERNATIONAL BUILDING CODE (IBC) 2021/ASCE 41-17
   RISK CATEGORY : III
2. ROOF LOADS
   a. FLAT-ROOF SNOW LOAD, P_f: 26 PSF
      1. GROUND SNOW LOAD, P_g: 34 PSF
      2. SNOW EXPOSURE FACTOR, C_e: 1.0
      3. SNOW LOAD IMPORTANCE FACTOR, I_s: 1.1
      4. THERMAL FACTOR, C_t: 1.0
      5. SLOPE FACTOR, C_s : 1.0
      6. SNOW DRIFT : SHOWN ON PLANS WHERE APPLICABLE.
   b. LIVE LOAD = 20 PSF
   c. DEAD LOAD = 15 PSF
3. WIND DESIGN
   a. BASIC WIND SPEED (3 SECOND GUST) : 109 MPH
   b. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} : 65.4 MPH
   c. WIND EXPOSURE : C
   d. INTERNAL PRESSURE COEFFICIENT, GC_{PI} : +/- 0.18
   e. COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-16.
4. SEISMIC DESIGN (ASCE 41-17) :
   a. SEISMIC IMPORTANCE FACTOR, I_E : 1.25
   b. SITE CLASS : D
   c. MAPPED SPECTRAL RESPONSE ACCELERATIONS : S_S = 0.761 , S_1 = 0.261
   d. SPECTRAL RESPONSE COEFFICIENTS : S_{XS} = 0.910 , S_{X1} = 0.543
   e. SEISMIC HAZARD LEVEL : BSE-2N
   f. BASIC SEISMIC-FORCE-RESISTING SYSTEM : REINFORCED MASONRY SHEAR WALLS
   g. DESIGN BASE SHEAR : V_{N-S} = 208.1 K , V_{E-W} = 217.7 K
   h. SEISMIC RESPONSE COEFFICIENT, C_S: 0.227
   i. RESPONSE MODIFICATION FACTOR, R : 5
   j. ANALYSIS PROCEDURE : ASCE 41-17 LINEAR STATIC

D. ANCHOR BOLTS/EMBEDDED BOLTS

1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-436 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS FOR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING :
   a. AT WOOD STUD WALLS - ASTM A-307 GRADE HEADED BOLTS. ANCHOR BOLTS IN TREATED LUMBER SHALL BE GALVANIZED OR STAINLESS STEEL. SEE TIMBER NOTES FOR MORE INFORMATION.
   b. AT ALL OTHER ANCHOR BOLTS (UNLESS NOTED OTHERWISE) - ASTM F1554 GRADE 36 HEADED BOLTS. (ASTM A36 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)
2. EMBEDDED BOLTS IN MASONRY SHALL BE (UNLESS NOTED OTHERWISE) ASTM A-307 GRADE HEADED BOLTS.
3. SEE TYPICAL ANCHOR BOLT DETAIL FOR DEFINITIONS OF EMBEDMENT LENGTH, ETC.
4. FURNISH TEMPLATES AND OTHER DEVICES AS NECESSARY FOR PRESETTING ALL BOLTS PRIOR TO PLACING CONCRETE AND/OR GROUT.
5. IF THREADED RODS ARE USED AS PERMITTED ABOVE, THEY SHALL BE CLEAR OF SOIL AND DIRT.
6. WHERE REQUIRED FOR ERECTION, HOLES LARGER THAN OVERSIZED MAY BE PERMITTED WITH THE USE OF STEEL PLATE WASHERS AT THE DISCRETION OF THE STRUCTURAL ENGINEER.

E. ADHESIVE/MECHANICAL ANCHORS

1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
3. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IAPMO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN INTENT.
4. ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IAPMO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
5. INSTALLERS SHALL BE, AT A MINIMUM, TRAINED FOR THE SPECIFIC APPLICATION INSTALLATION TECHNIQUE FOR THE SPECIFIC PRODUCT BY THE PRODUCT MANUFACTURERS FIELD EMPLOYEE OR SHALL POSSESS A TRAINING CARD OBTAINED BY THE MANUFACTURERS ONLINE TRAINING PROGRAM.
6. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.
7. ADHESIVE ANCHORS SHALL CONSIST OF REINFORCING BAR OR THREADED RODS AS INDICATED IN THESE DOCUMENTS.
8. UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 14 DAYS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN DAMP, WATER-SATURATED, OR WATER-FILLED HOLES.
9. CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) RELATIVE TO SUBSTRATE TEMPERATURE.
10. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT IN ACCORDANCE WITH ACI 318-19 26.7.2 (e) PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS.
11. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI HIT-RE 500V3 (ESR-3814), OR HILTI HIT-HY 200-V3 (ESR-4868).
    b. SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-263).
    c. DEWALT PURE 110+ (ESR-3298), OR AC200+ GOLD (ESR-4027-COLD WEATHER).
12. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. SIMPSON SET-3G (ESR-4844), OR AT-XP (ER-281).
13. UNLESS NOTED OTHER WISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI KWIK BOLT-TZ2 (ESR-4266).
    b. SIMPSON STRONG-BOLT 2 (ESR-3037).
14. UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. HILTI KWIK BOLT-TZ2 (ESR-4561).
    b. SIMPSON STRONG BOLT 2 (ER-240).
    c. DEWALT SCREWBOLT+ (ESR-4042).
15. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
    a. SIMPSON TITEN HD (ESR-2713).
    b. DEWALT SCREWBOLT+ (ESR-3889).
    c. HILTI KH-EZ (ESR-3027).
16. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. SIMPSON TITEN HD (ESR-1056).
    b. DEWALT SCREWBOLT+ (ESR-1678).
    c. HILTI KH EZ (ESR-3056).
17. ALL MASONRY CELLS WITHIN 8" OF THE ANCHOR SHALL BE SOLID GROUTED.
18. THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
19. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 2 INCHES, WHICH EVER IS LARGER, OF SOUND CONCRETE/MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT OR AN APPROVED ANCHORING ADHESIVE. AT CONTRACTORS OPTION, LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
20. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

CONTINUED ON S002

Structural Sheet Index

LEGEND OF SYMBOLS AND ABBREVIATIONS

AB	=	ANCHOR BOLT
ABV	=	ABOVE
ARCH	=	ARCHITECT
BLW	=	BELOW
BN	=	BOUNDARY NAILING
BS	=	BOUNDARY SCREW
BRB	=	BUCKLING RESTRAINED BRACE
BRBF	=	BUCKLING RESTRAINED BRACE FRAME
CJP	=	COMPLETE JOINT PENETRATION
CL	=	CENTERLINE
CMU	=	CONCRETE MASONRY UNIT
COL	=	COLUMN
CONC	=	CONCRETE
CP	=	CONCRETE PIER
DC	=	DEMAND CRITICAL
DIA / Ø	=	DIAMETER
DBA	=	DEFORMED BAR ANCHOR
DBE	=	DECK BEARING ELEVATION
ELEV	=	ELEVATION
EN	=	EDGE NAILING
EOD	=	EDGE OF DECK
FDN	=	FOUNDATION
FTG	=	FOOTING
FFE	=	FINISHED FLOOR ELEVATION
GB	=	CONCRETE GRADE BEAM
HSA	=	HEADED STUD ANCHOR
JBE	=	JOIST BEARING ELEVATION
KB	=	KICKER BRACE
MAX	=	MAXIMUM
MB	=	MASONRY BEAM
MC	=	MASONRY COLUMN
MECH	=	MECHANICAL
MEZZ	=	MEZZANINE
MIN	=	MINIMUM
MJ	=	MASONRY JAMB
MW	=	MASONRY WALL
NS, FS	=	NEAR SIDE, FAR SIDE
OAE	=	OR APPROVED EQUAL
OPP	=	OPPOSITE
PAF	=	POWDER ACTUATED FASTENER
PL	=	PLATE
REINF	=	REINFORCING
REQ'D	=	REQUIRED
SIM	=	SIMILAR
SSH	=	STEEL STUD HEADER
SSJ	=	STEEL STUD JAMB
SSS	=	STEEL STUD SILL
SSW	=	STEEL STUD WALL
TOB	=	TOP OF BEAM ELEVATION
TOC	=	TOP OF CONCRETE SLAB
TOF	=	TOP OF FOOTING
TOG	=	TOP OF GIRDER ELEVATION
TOM	=	TOP OF MASONRY
TOS	=	TOP OF STEEL ELEVATION
TYP	=	TYPICAL
UNO	=	UNLESS NOTED OTHERWISE

FOOTING MARK
TOP OF FOOTING ELEVATION
SECTION MARK
SHEET NUMBER
TOP OF FOUNDATION WALL OR COLUMN PIER ELEVATION
SHEAR WALL - SEE SCHEDULE
MIN. LENGTH OF SHEAR WALL
S — S FOOTING STEP
MASONRY WALL
CONCRETE WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT MASONRY FOUNDATION WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT CONCRETE FOUNDATION WALL
MASONRY BEAM
CONCRETE BEAM
"A" HD POST — HD - SIMPSON HOLDOWN SIZE; POST - SIZE OF END POST CONNECTED TO HOLDOWN; "A" - PLAN CONFIGURATION AT HOLDOWN AT FOUNDATION
ELEVATION — ELEVATION MARK
L — FRAMING ANGLE SEE TYPICAL DETAIL
C — FRAMING CHANNEL SEE TYPICAL DETAIL
L — ITEMS, DETAILS, & SYSTEMS WHICH ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.
BRACED FRAME
MOMENT RESISTING CONNECTIONS - SEE DETAIL
MOMENT RESISTING CANTILEVER CONNECTIONS - SEE DETAIL
KB — KICKER BRACE
COLUMN SIZE / PIER MARK (PIER ELEV.)

SPECIAL INSPECTION SCHEDULE [1,2]

ESTABLISHED PER 2006 IBC SECTION 109 AND CHAPTER 17

ITEM	CONTINUOUS[3]	PERIODIC[3]	REFERENCE	COMMENTS
MASONRY CONSTRUCTION (IBC 1704.5)			SEE IBC TABLE 1704.5.1 (NON-ESSENTIAL)	M1. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706 IN ACCORDANCE WITH ANSI / AWS D1.4. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE.
INSPECTION SHALL VERIFY:				
SIZE & LOCATION OF STRUCTURAL ELEMENTS		●		M2. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR ESSENTIAL FACILITIES (IBC TABLE 1704.5.3).
TYPE, SIZE, & LOCATION OF ANCHORS		●	REFERENCE NOTE M2	
GROUT PLACEMENT	●			M3. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS.

GENERAL SPECIAL INSPECTION NOTES :

1. THE ITEMS MARKED WITH A " ● " IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 1702)

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OGDEN UT WEST STAKE

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date (D-MM-Y)	Description

PROJECT NUMBER: 502253324010201
DATE: 28 OCT 2025
PROPERTY NUMBER: 5022533
DRAWN BY: JCP
CHECKED: MCM
SHEET TITLE: STRUCTURAL NOTES
SHEET: S001

F. MASONRY

1. ALL HOLLOW MASONRY UNITS SHALL CONFORM TO ASTM C-90.
   f'm (MINIMUM, FACTORED) 2,000 PSI
   MINIMUM UNIT STRENGTH 2,000 PSI (TESTED IN ACCORDANCE WITH ASTM C-140)
   ACCEPTABLE RANGE OF UNIT WEIGHT : 105 PCF TO 125 PCF
2. ALL GROUT (SITE MIXED OR PRE-MIXED) SHALL CONFORM TO ASTM C-476 OR SECTION 2.2A OF TMS 602-16. GROUT SHALL BE PLACED WITH SUFFICIENT WATER FOR POURING WITHOUT SEGREGATION. DO NOT USE MORTAR FOR GROUT. MECHANICALLY VIBRATE ALL GROUT.
3. GROUT STOPS SHALL BE AN APPROVED PRODUCT DESIGNED AND MANUFACTURED FOR USE AS A GROUT STOP. GROUT STOP SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW. OTHER GROUT STOP MATERIALS SUCH AS ASPHALT IMPREGNATED MATERIALS ARE NOT PERMITTED.
4. MORTAR SHALL BE TYPE S AND SHALL CONFORM TO ASTM C 270.
5. ALL MASONRY WORK SHALL CONFORM TO CHAPTER 21 OF THE IBC.
6. SEE THE MASONRY REINFORCING SCHEDULE FOR OPENINGS WHICH EXCEED 32 INCHES IN EITHER DIRECTION.
7. ALL BLOCK CELLS CONTAINING REINFORCING, BOLTS, OR ANCHORS SHALL BE GROUTED SOLID.
8. PROVIDE (1) #5 (MINIMUM), IN GROUTED SPACE, ON ALL SIDES AND ADJACENT TO EVERY OPENING WHICH EXCEEDS 24" IN EITHER DIRECTION. HORIZONTAL BARS SHALL EXTEND 24" BEYOND THE CORNERS OF THE OPENING AND VERTICAL BARS SHALL EXTEND TO TOP OF WALL. VERTICAL REINFORCING SHALL BE PROVIDED AT ENDS, CORNERS AND EACH SIDE OF CONTROL JOINTS. SEE TYPICAL DETAILS FOR OPENINGS WHICH EXCEED 32" IN EITHER DIRECTION.
9. SOLID GROUTING OF MASONRY IS UNACCEPTABLE EXCEPT AS SPECIFICALLY NOTED ON PLANS AND SCHEDULES.
10. WHERE WALLS ARE NOT GROUTED SOLID, EACH GROUT POUR SHALL TERMINATE FLUSH WITH THE TOP OF THE UPPERMOST UNIT EXCEPT AT CELLS WITH VERTICAL REINFORCING WHERE GROUT SHALL BE 1-1/2" BELOW TOP OF UNIT TO PROVIDE CONSTRUCTION KEY. WHERE WALLS ARE GROUTED SOLID, EACH GROUT POUR SHALL TERMINATE 1-1/2" BELOW TOP OF UNIT.
11. GROUT POURS SHALL NOT EXCEED 5'-0" UNLESS HIGH LIFT GROUTING PROCEDURES ARE FOLLOWED.
12. THE USE OF HIGH LIFT GROUTING PROCEDURES REQUIRE THE APPROVAL OF THE ARCHITECT AND ENGINEER AND SHALL NOT EXCEED THE MAXIMUM HEIGHTS GIVEN IN TABLE 3.2.1 OF TMS 402-16. GROUT DEMONSTRATION PANELS, AS PRESCRIBED BY THE ARCHITECT AND ENGINEER, SHALL BE REQUIRED WHERE REQUESTED GROUTING PROCEDURES DO NOT MEET THE LIMITS OF TABLE 3.2.1. ADDITIONALLY, ALL HIGH LIFT GROUTING SHALL REQUIRE SPECIAL INSPECTION PROCEDURES NEEDED TO VERIFY GROUT PLACEMENT DURING CONSTRUCTION. DURING THE SUBMITTAL FOR APPROVAL PROCESS, SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO: STATEMENT OF PROCEDURE FOR MECHANICAL VIBRATION OF HIGH LIFT GROUT; NEW MIX DESIGNS FOR HIGH SLUMP, HIGH LIFT GROUT; FOR SELF-CONSOLIDATING GROUT, SUBMIT MIX DESIGNS, SLUMP FLOW RATES, VISUAL STABILITY INDEX (VSI), AND QUANTITIES OF ADMIXTURES BEING USED.
13. ALL MASONRY BEAMS SHALL BE BUILT INTEGRAL WITH SUPPORT. NO TOOTHING OR DOWELING PERMITTED. UNITS WITH ONE END OPEN SHALL BE USED FOR ALL MASONRY BEAMS.
14. PROVIDE VERTICAL CONTROL JOINTS AT MAXIMUM SPACINGS NOTED BELOW UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS AND/OR ON ARCHITECTURAL ELEVATIONS AND AT ALL CHANGES IN WALL ELEVATION AND MASONRY THICKNESS. CONTROL JOINTS SHALL NOT BE LOCATED DIRECTLY OVER OR CLOSER THAN 24" TO WALL OPENINGS (DOORS, WINDOWS, MECHANICAL OPENINGS, ETC.), OR WITHIN MASONRY JAMBS.
    REINFORCED MASONRY : 40 FT
    VENEER : 30 FT AND AT INTERFACE BETWEEN VENEER SUPPORTED BY FOUNDATIONS AND SUSPENDED STRUCTURAL ELEMENTS.
15. HORIZONTAL REINFORCEMENT SHALL TERMINATE AT EACH SIDE OF CONTROL JOINTS EXCEPT AT FLOOR AND ROOF LEVEL BOND BEAMS AND AT TOP OF PARAPET.
16. SUPPORT NON-BEARING, NON-STRUCTURAL WALLS AT TOP OF MASONRY AS PER TYPICAL DETAILS AT LOCATIONS WHERE INTERSECTING OR PERPENDICULAR WALLS ARE 12'-0" OR MORE APART OR WHERE END OF WALL OCCURS 6'-0" OR MORE FROM INTERSECTING WALL.
17. EMBED CHANNELS AND PLATES TO BE PLACED SO AS TO CREATE FLUSH SURFACE WITH FACE OF MASONRY. FLANGES ON CHANNEL EMBEDS SHALL BE HORIZONTAL.
18. ALL VERTICAL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO GROUTING USING WIRE POSITIONERS OR OTHER ACCEPTABLE DEVICES. REINFORCING SHALL BE SECURED AT BAR-SPLICE LOCATIONS AND AT A SPACING NOT MORE THAN 120 BAR DIAMETERS.
19. UNLESS NOTED OTHERWISE, MASONRY WALLS SHALL BE CONSTRUCTED UTILIZING COMMON RUNNING-BOND WITH FULLY MORTARED BED JOINTS AROUND GROUTED CELLS.
20. MASONRY VENEER SHALL BE ANCHORED USING THE HOHMANN AND BARNARD VENEER ANCHOR ASSEMBLY SYSTEM, OR AN APPROVED EQUAL. REGARDLESS OF BACK-UP SYSTEM, PROVIDE A CONTINUOUS HORIZONTAL 9 GAUGE WIRE AT 16"O.C. IN VENEER MORTAR JOINTS FOR ANCHOR ATTACHMENT. POSITIVE ANCHORAGE TO THE WIRE USING THE SEISMICLIP INTERLOCK SYSTEM SHALL BE PROVIDED TO SUPPORT NOT MORE THAN 2 SQUARE FEET OF WALL, WITH A HORIZONTAL SPACING NOT EXCEEDING 18".
    a. WOOD AND METAL STUDS; USE HOHMANN AND BARNARD HB-213 S.I.S. (SEISMICLIP INTERLOCK SYSTEM) HEAVY DUTY ANCHORS OR AN APPROVED EQUAL. THE HB-213 ASSEMBLY SHALL BE ATTACHED TO WOOD STUDS USING A # 12 X 2" WOOD SCREWS OR TO METAL STUDS USING #10 SCREWS.
    b. BRICK AND BLOCK WALLS; USE HOHMANN AND BARNARD 270-ML-S.I.S. (SEISMICLIP INTERLOCK SYSTEM) MIGHTY-LOK SEISMIC ANCHORS OR AN APPROVED EQUAL, AT SPACINGS NOTED ABOVE. INSTALL A 2 WIRE 9 GAUGE LADDER TYPE JOINT REINFORCEMENT AT 16"O.C. IN THE BACK-UP WALL FOR ANCHORAGE ATTACHMENT.
    c. CONCRETE WALLS; USE HOHMANN AND BARNARD HB 303SV SEISMIC NOTCH DOVE TAIL ANCHOR SYSTEM OR AN APPROVED EQUAL AT SPACINGS NOTED ABOVE.
21. ELECTRICAL CONDUIT SHALL NOT BE PLACED IN CELLS THAT CONTAIN REBAR. CONDUIT IS ALLOWED TO PASS THROUGH REINFORCED CELLS WHEN IT OCCURS PERPENDICULAR TO THE REBAR. CONDUIT SHALL NOT CONTACT REBAR AS IT PASSES. THERE SHALL BE 1" CLEAR BETWEEN CONDUIT AND REBAR.

G. TIMBER

1. WOOD GRADES (UNLESS NOTED OTHERWISE)
   a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS:
      1. HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
      2. VERTICAL MEMBERS: POST & TRIMMERS: NO. 1, STUDS: NO. 2.
   b. ALL FRAMING IN CONTACT WITH FOOTINGS, FOUNDATIONS OR SLABS ON GRADE SHALL BE PRESSURE TREATED OR TIMBERSTRAND LSL TREATED LUMBER WITH EQUIVALENT STRESS GRADES TO TYPICAL FRAMING MEMBERS.
   c. UNLESS NOTED OTHERWISE, ALL ENGINEERED LUMBER SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

	FLEXURAL STRESS RATING	MODULUS OF ELASTICITY
LVL :	2,600 PSI	2,000,000 PSI
PSL :	2,900 PSI	2,000,000 PSI
LSL :	2,250 PSI	1,500,000 PSI

2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE :

LOCATION	THICKNESS	PANEL INDEX
WALLS :	7/16"	24/0
FLOORS :	23/32"	48/24
ROOFS :	19/32"	32/16

3. INDIVIDUAL PIECES OF SHEATHING AT ROOF, FLOOR, AND SHEAR WALLS SHALL NOT BE SMALLER THAN ***24"*** IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO.
4. CONNECTIONS, FASTENERS, AND ADHESIVE
   a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM A563 HEAVY HEX NUT AND BOLT HEADS.
   b. UNLESS NOTED OTHERWISE, 10d COMMON (0.148) NAILS SHALL BE USED TO FASTEN ALL FLOOR AND ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS:
      1. BOUNDARY NAILING "BN": 4"O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
      2. PANEL EDGE NAILING "EN": 4"O.C. AT ALL OTHER SHEATHING PANEL EDGES.
      3. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
   c. UNLESS NOTED OTHERWISE 8d COMMON (0.131) NAILS SHALL BE USED TO FASTEN ALL SHEAR WALL SHEATHING TO STUDS AND BLOCKING AS FOLLOWS:
      1. PANEL EDGE NAILING "EN": 6"O.C.
      2. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
   d. NAILS SHALL BE GALVANIZED OR STAINLESS STEEL AT EXPOSED LOCATIONS OR IN TREATED WOOD (SEE NOTE BELOW FOR FASTENERS CONNECTED TO OR IN CONTACT WITH TREATED WOOD). THE HEAD OF ALL NAILS SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING.
   e. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.2. MULTIPLE PLIES OF ENGINEERED LUMBER SHALL BE FASTENED TOGETHER IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
   f. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

COMMON NAIL SIZE	SHANK DIAMETER	HEAD DIAMETER	LENGTH	MIN. PENETRATION INTO SUPPORT MEMBER
6d	0.113"	0.266"	2"	1.25"
8d	0.131"	0.281"	2-1/2"	1.375"
10d	0.148"	0.312"	3"	1.50"
12d	0.148"	0.312"	3-1/4"	1.50"
16d	0.162"	0.344"	3-1/2"	1.62"

   g. A CONTINUOUS BEAD OF PERMANENT BOND TIMBER/WOOD ADHESIVE COMPOUND SHALL BE USED TO FASTEN ALL FLOOR SHEATHING TO FLOOR JOISTS IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS.
   h. ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE.
   i. UNLESS NOTED OTHERWISE, ALL WALL BOTTOM PLATES TO BE ANCHORED TO FOUNDATIONS OR FOOTINGS WITH 3/4" DIAMETER ANCHOR BOLTS AT 32"O.C. WITH 8" MINIMUM EMBEDMENT. THERE SHALL BE A MINIMUM OF (2) ANCHOR BOLTS PER PLATE WITH ONE BOLT LOCATED NOT MORE THAN 12" AND NOT LESS THAN 4" FROM EACH END OF EACH PIECE.
   j. WALL BOTTOM PLATES AT SHEAR WALLS SHALL INCLUDE 1/4" x 3" x 3" STEEL PLATE WASHERS BETWEEN THE SILL PLATE AND NUT OF THE ANCHOR BOLT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND SLOT LENGTH NOT TO EXCEED 1-3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN ½" OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE.
   k. FASTENERS CONNECTED TO OR IN CONTACT WITH PRESERVATIVE-TREATED AND/OR FIRE-RETARDANT-TREATED WOOD (EXCEPT FOR TIMBERSTRAND LSL TREATED LUMBER AND BORATE BASED TREATMENTS) SHALL BE OF G-185 HOT-DIP GALVANIZED STEEL OR 304 OR 316 STAINLESS STEEL. STAINLESS STEEL AND GALVANIZED STEEL SHALL NEVER BE USED IN CONTACT WITH EACH OTHER.
5. ALL METAL-PLATE-CONNECTED WOOD TRUSSED RAFTERS SHALL BE FABRICATED IN COMPLIANCE WITH THE RESEARCH COMMITTEE RECOMMENDATIONS OF THE ICC FOR THE CONNECTOR PLATES USED. SUBMIT DESIGN CALCULATIONS WITH ENGINEERS SEAL FOR REVIEW WITH SHOP DRAWINGS. PROVIDE CALCULATIONS AND DETAILS FOR ALL TRUSS TO TRUSS CONNECTIONS INCLUDING CONNECTION HARDWARE. ALL NECESSARY TRUSS BRIDGING AND CONNECTION DESIGN OF TRUSS BRIDGING SHALL BE PROVIDED BY THE TRUSS DESIGNER AND SHALL BE INCLUDED IN THE DESIGN CALCULATIONS FOR REVIEW.
6. INSTALLATION OF ALL METAL-PLATE-CONNECTED WOOD TRUSSES SHALL COMPLY WITH THE FOLLOWING STANDARDS :
   a. ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSSES".
   b. TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL-PLATE-CONNECTED WOOD TRUSSES".
   c. TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL-PLATE-CONNECTED WOOD TRUSSES".
7. UNLESS NOTED OTHERWISE, ALL ROOF SHEATHING AND WALL SHEATHING AT SHEAR WALLS SHALL HAVE SOLID BLOCKING AT ALL PANEL EDGES.
8. AT ALL OVERBUILD LOCATIONS, ROOF SHEATHING SHALL BE COMPLETE BELOW OVERBUILDS PRIOR TO OVERBUILD CONSTRUCTION.
9. PROVIDE SOLID 2" (NOMINAL) FULL DEPTH BLOCKING AT ENDS AND SUPPORT LOCATIONS FOR ALL JOISTS AND RAFTERS. BLOCKING SHALL BE ATTACHED TO SUPPORT FRAMING WITH A MINIMUM OF (1) SIMPSON A35 FRAMING ANCHOR BETWEEN JOISTS UNLESS NOTED OTHERWISE.
10. VERIFY THE STUD SPACING WITH THE ANCHOR BOLT LAY-OUT. WHERE STUDS INTERFERE WITH ANCHOR BOLTS, PROVIDE AN ADDITIONAL FULL-HEIGHT STUD TO ENSURE THAT THE FULL CROSS-SECTIONAL AREA OF THE STUD IS IN CONTACT WITH THE SILL PLATE.
11. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALLS AND SHEAR WALLS SHALL HAVE DOUBLE 2X TOP PLATES THAT ARE SPLICED TOGETHER WITH A MINIMUM OF 12" OF OVERLAP AND SHALL BE CONNECTED TOGETHER WITH A MINIMUM OF (4) 10d COMMON NAILS EACH SIDE OF THE SPLICE. OUTSIDE OF THESE SPLICE LOCATIONS, TOP PLATES SHALL BE NAILED TOGETHER WITH 10d NAILS AT 12" O.C.
12. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE INSTALLED WITH THE NATURAL CROWN UP.

H. EXISTING BUILDING NOTES

1. ARW ENGINEERS EXPRESSLY DISCLAIMS RESPONSIBILITY FOR ANY PORTION OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THESE DRAWINGS.
2. DRAWINGS AND DETAILS HAVE BEEN PREPARED TO REFLECT THE EXISTING CONDITIONS AND CONFIGURATIONS OF STRUCTURAL ELEMENTS. HOWEVER, THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND ALERTING THE ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO FABRICATING OR INSTALLING STRUCTURAL ELEMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT THE BUILDING AND ELEMENTS WITHIN THE BUILDING REMAIN STABLE UNTIL CONSTRUCTION IS COMPLETE. AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHORING OR OTHER TEMPORARY SUPPORT OF STRUCTURAL MEMBERS UNTIL THE FINAL CONFIGURATION HAS BEEN COMPLETED.

TABLE OF EQUIVALENT FASTENERS

STAPLES, NAILS AND T-NAILS (VALID FOR LATERAL LOADS ONLY)

COMMON NAIL SPACING		EQUIVALENT SPACING OF APPROVED FASTENERS				
		STAPLES			NAILS & T-NAILS	
	GAUGE	16	15	14	.113	.131
	PENETRATION	1"	1"	1"	1 1/4"	1 1/2"
6d AT:	4"	3 1/2"	4"	5"	4"	5"
	6"	5"	6"	7"	6"	7 1/2"
	8"	6 1/2"	8"	9 1/2"	8"	10"
	10"	8 1/2"	10"	12"	10"	12"
	12"	10"	12"	14 1/2"	12"	14 1/2"
8d AT:	4"	2 1/2"	3 1/2"	4"	3 1/2"	4"
	6"	4"	5"	6"	5"	6"
	8"	5 1/2"	6 1/2"	8"	6 1/2"	8"
	10"	6 1/2"	8"	10"	8"	10"
	12"	8"	10"	12"	9 1/2"	12"
10d AT:	4"	2"	2 1/2"	3"	2 1/2"	3 1/2"
	6"	3 1/2"	4"	5"	4"	5"
	8"	4 1/2"	5 1/2"	6 1/2"	5 1/2"	7"
	10"	5 1/2"	7"	8"	6 1/2"	8 1/2"
	12"	6 1/2"	8"	9 1/2"	8"	10"

NOTES:
PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) FOR LATERAL LOADING.

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PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date (DAY-Y)	Description

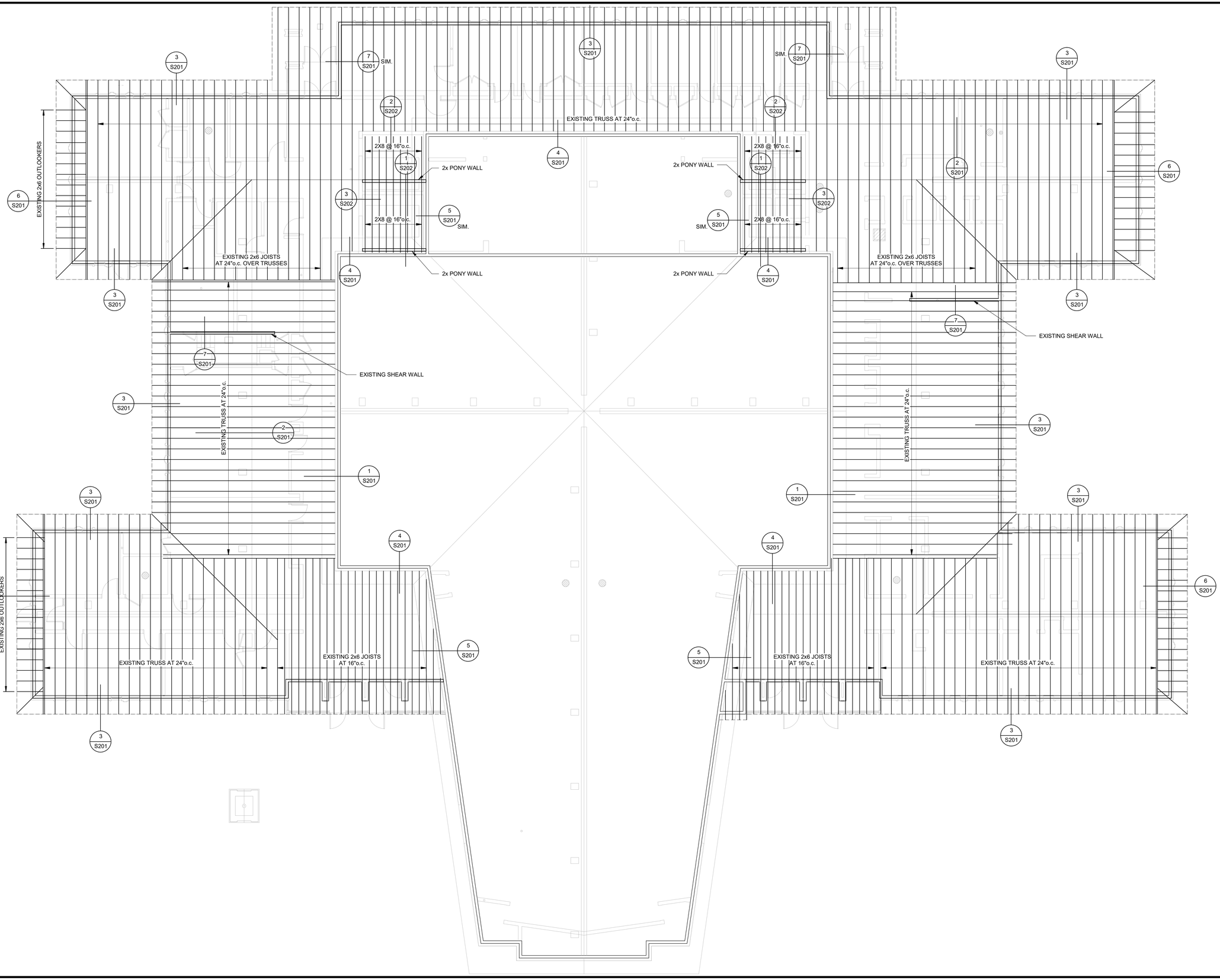
PROJECT NUMBER: 502253324010201
DATE: 28 OCT 2025
PROPERTY NUMBER: 5022533

DRAWN BY: Author
CHECKED: Checker

SHEET TITLE: STRUCTURAL NOTES

SHEET: S002

11/4/2025 10:09:45 AM



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PROJECT NUMBER: 502253324010201
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DRAWN BY: Author
CHECKED: Checker

SHEET TITLE:
LOW ROOF UPGRADE PLAN

SHEET:
S102

11/4/2025 10:09:45 AM

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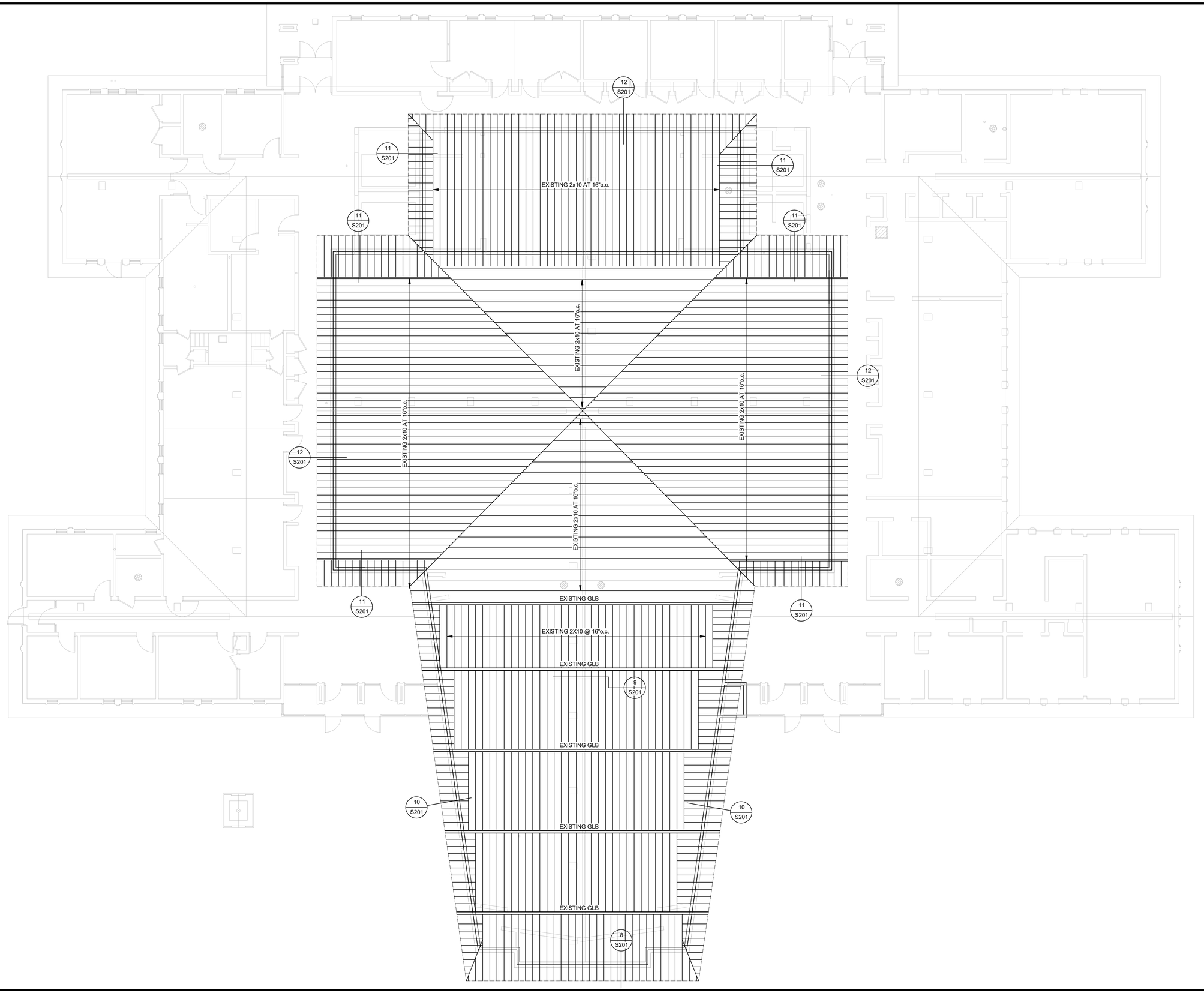

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PROJECT NUMBER:
502253324010201

DATE:
28 OCT 2025

PROPERTY NUMBER:
5022533

DRAWN BY:	CHECKED:
Author	Checker

SHEET TITLE:
HIGH ROOF
UPGRADE PLAN

SHEET:
S103

11/4/2025 10:09:45 AM

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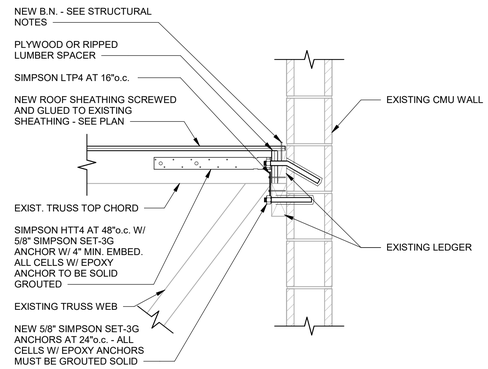

DETAIL 1 / S201
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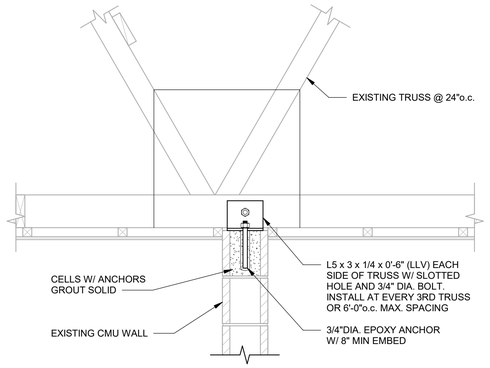

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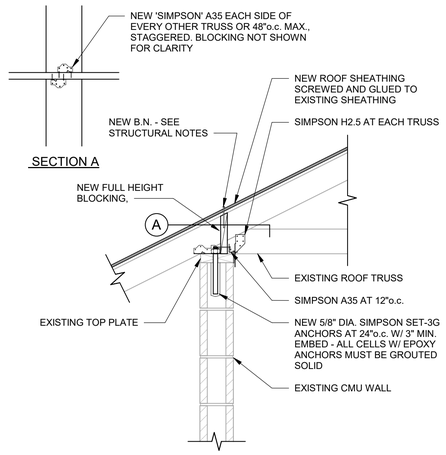

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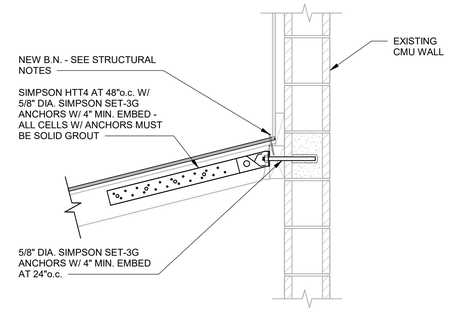

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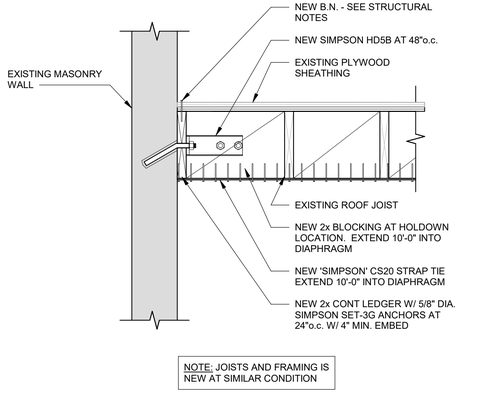

DETAIL 5 / S201
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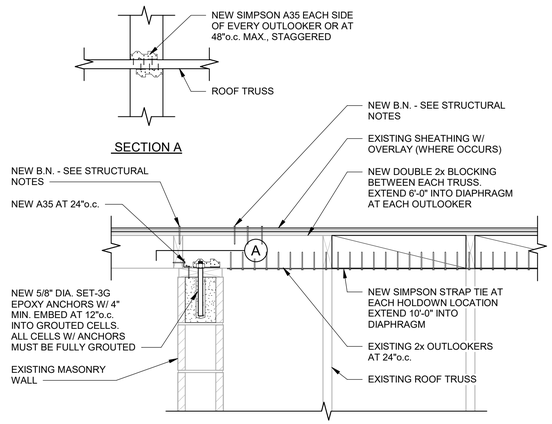

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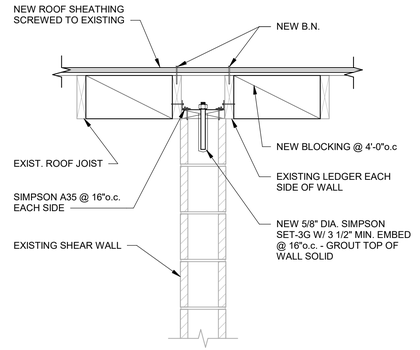

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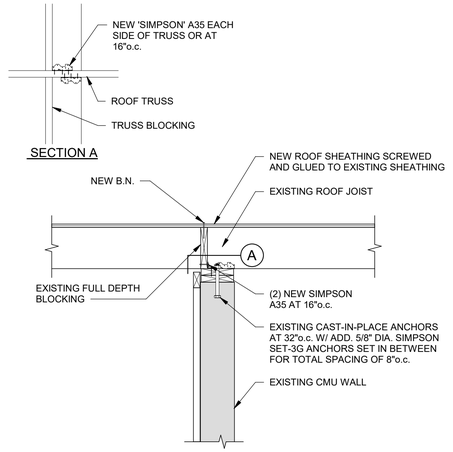

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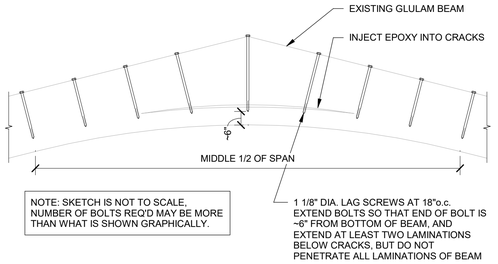

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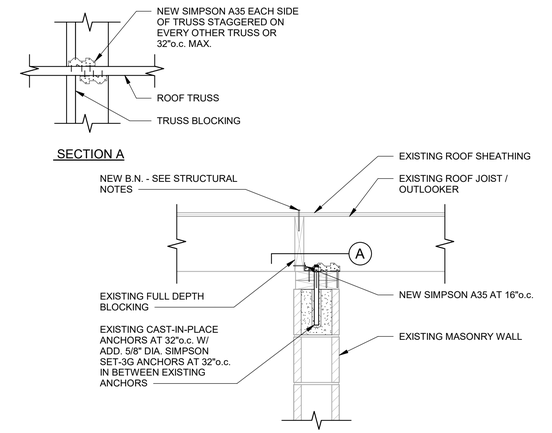

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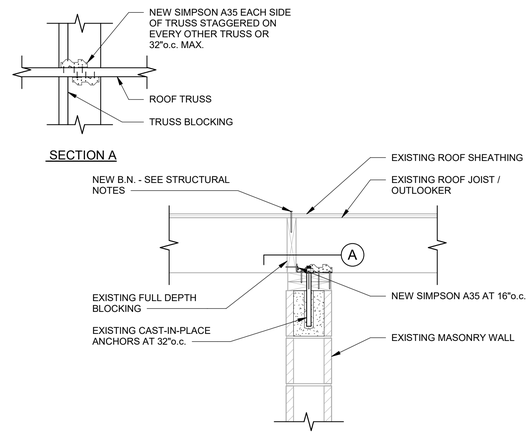

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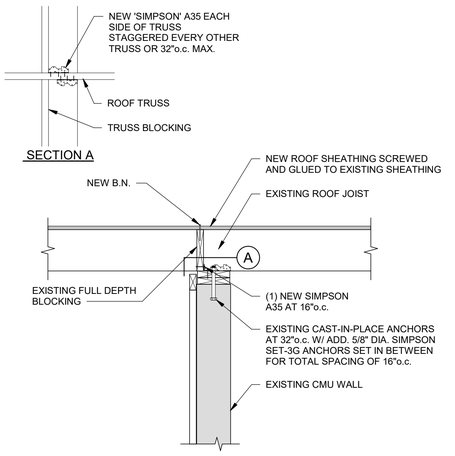

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PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date (D-MM-Y)	Description

PROJECT NUMBER: 502253324010201
DATE: 28 OCT 2025
PROPERTY NUMBER: 5022533
DRAWN BY: Author
CHECKED: Checker

SHEET TITLE: DETAILS

SHEET: S201

11/4/2025 10:09:45 AM ARW# // 22724
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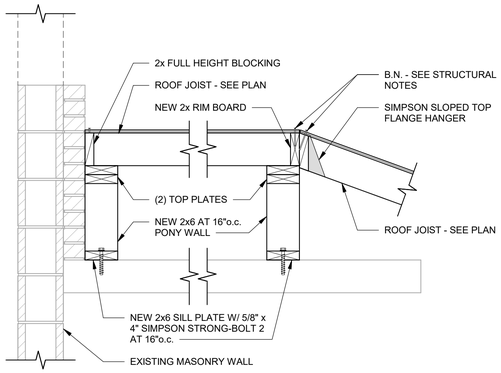

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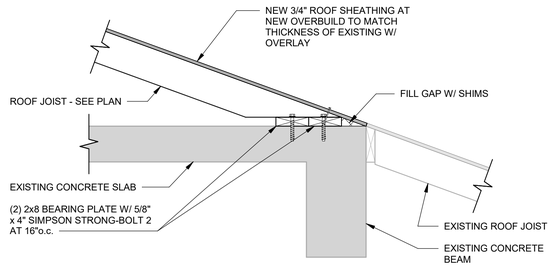

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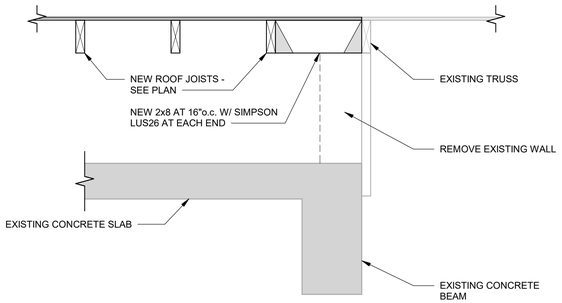

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BRANCH CIRCUITING SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED. SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE). LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS. EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS: EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
	2 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	
	3 CIRCUIT, 6 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	
	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE

LIGHTING SYMBOLS

1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.
2. ARROWS INDICATE AIMING DIRECTION.

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IN AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
TC	TIME CLOCK	+60"	
	EMERGENCY LIGHT FIXTURE	AS NOTED	
P	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
XX	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

GEAR AND CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
$T	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	CIRCUIT BREAKER AND ENCLOSURE	TOP AT +48"-72"	
	MAGNETIC STARTER	TOP AT +48"-72"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	TOP AT +48"-72"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	TOP AT +48"-72"	
	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	TOP AT +48"-72"	
VFD	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
RVS	REDUCED VOLTAGE STARTER	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. 'L2A', 'MDP')
	SWITCHBOARD	FLOOR	
	METER BASE	TOP AT +72"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
	OPEN - STOP - CLOSE SWITCH	+60"	
T	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 23
	HAND - OFF - AUTO SWITCH	+60"	
GF	GROUND FAULT PROTECTION		

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES

1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.

GENERAL SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
XX	KEYED NOTE	
1 / E-1	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE DETAIL IS SHOWN.
2 / E-2	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
3 / E-3	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE SECTION IS SHOWN.
100	ARCHITECTURAL ROOM NUMBER	
AHU / 1	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
1	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	REVISION CLOUD	USED TO DENOTE AREAS, DEVICES, EQUIPMENT DETAILS, ETC. AFFECTED BY REVISION.
	BREAKLINE	USED TO BREAK DRAWINGS.

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
$	SINGLE-POLE TOGGLE SWITCH	+48"	
$a	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
$2	DOUBLE-POLE TOGGLE SWITCH	+48"	
$3	THREE-WAY TOGGLE SWITCH	+48"	
$4	FOUR-WAY TOGGLE SWITCH	+48"	
$K	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
$P	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
$DIM	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
$TIM	TIMER SWITCH	+48"	
$$	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
$a LV	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
$3PM	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
$3PN	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
$OS	WALL MOUNTED OCCUPANCY SENSOR SWITCH	+48"	
$2 OS	DUAL RELAY WALL MOUNTED OCCUPANCY SENSOR SWITCH	+48"	
	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE -- NEMA 14-50R DRYER -- NEMA 14-30R
	FOURPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP WITH DUPLEX RECEPTACLE		REFER TO DETAIL
(5-20R)	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

ELECTRICAL SHEET INDEX

ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

A	ABOVE COUNTER	LSI	LONG-TIME, SHORT-TIME INSTANTANEOUS
A	AMP OR AMPS	LSIG	LONG-TIME, SHORT-TIME INSTANTANEOUS GROUND FAULT
ADJ	ADJACENT	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	MBJ	MAIN BONDING JUMPER
AHJ	AUTHORITY HAVING JURISDICTION	MCA	MINIMUM CIRCUIT AMPS
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AUX	AUXILIARY	MV	MEDIUM VOLTAGE
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
BAS	BUILDING AUTOMATION SYSTEM	NC	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
C	CONDUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	OC	ON CENTER(S)
CO	CONVENIENCE OUTLETS	OCP	OVER CURRENT PROTECTION
CU	COPPER	OCPD	OVER CURRENT PROTECTION DEVICE
DAS	DISTRIBUTED ANTENNA SYSTEM	PA	PUBLIC ADDRESS
(E)	EXISTING	PH	PHASE
EA	EACH	PV	PHOTOVOLTAIC
EG	EQUIPMENT GROUND	PWR	POWER
EGC	EQUIPMENT GROUNDING CONDUCTOR	QTY	QUANTITY
ELEC	ELECTRICAL	R	REMOVE
EM	EMERGENCY	REF	REFRIGERATOR
EMT	ELECTRIC METALLIC TUBING	REQ	REQUIREMENTS
ENT	ELECTRIC NONMETALLIC TUBING	RGC	RIGID GALVANIZED CONDUIT
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
EWC	ELECTRIC WATER COOLER	RMP	ROCKY MOUNTAIN POWER
EXP	EXPLOSION PROOF	RNC	RIGID NONMETALLIC CONDUIT
FA	FIRE ALARM	RR	REMOVE AND RELOCATE
FACP	FIRE ALARM CONTROL PANEL	SBJ	SYSTEM BONDING JUMPER
FLA	FULL LOAD AMPS	SCP	SECURITY CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT	SFL	SUB-FEED LUGS
FO	FIBER OPTIC	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SS	SURGE SUPPRESSION
FTL	FEED-THROUGH LUGS	SSBJ	SUPPLY SIDE BONDING JUMPER
GEC	GROUNDING ELECTRODE CONDUCTOR	TGB	TELECOMMUNICATION GROUNDING BUS BAR
GND	GROUND CONDUCTOR	TMGB	TELECOMMUNICATION MAIN GROUNDING BUS BAR
HOA	HAND-OFF-AUTO	TR	TAMPER RESISTANT
HP	HORSE POWER	TTB	TELEPHONE TERMINAL BOARD
IBT	INTERSYSTEM BONDING TERMINATION BAR	TYP	TYPICAL
ID	INTRUSION DETECTION	UF	UNDER FLOOR
IG	ISOLATED GROUND	UG	UNDERGROUND
IMC	INTERMEDIATE METAL CONDUIT	UNO	UNLESS NOTED OTHERWISE
INS	INSULATED	USB	UNIVERSAL SERIAL BUS
ISO	ISOLATED	VSS	VIDEO SURVEILLANCE SYSTEM
KCMIL	KILO CIRCULAR MIL	W/	WITH
KVA	KILO VOLT AMPERES	WO/	WITHOUT
KW	KILOWATTS	WP	WEATHER PROOF
LFNC	LIQUID-TIGHT NONMETAL CONDUIT	WR	WEATHER RESISTANT
LS	LONG-TIME, SHORT-TIME	XFMR	TRANSFORMER

GENERAL PROJECT NOTES:

1. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
2. THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING AT THEIR DISCRETION, WITH THE ELECTRICAL ENGINEER AND REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE WHERE POSSIBLE.
3. THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS:
   A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
   B. A DEDICATED NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL LIGHTING AND POWER CIRCUITS.
   C. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
   D. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE.
4. THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.
5. THE CONTRACTOR SHALL INSTALL THE WIRE SIZES AS CALLED OUT ON THE ONE-LINE DIAGRAM, EQUIPMENT SCHEDULES, VOLTAGE DROP TABLES, AND ELECTRICAL SPECIFICATIONS. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.
6. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY THEIR FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
8. THE CONTRACTOR SHALL MAKE SURE THAT ALL EXISTING BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED AS A RESULT OF WORK UNDER THIS CONTRACT. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.
9. PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE, INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.

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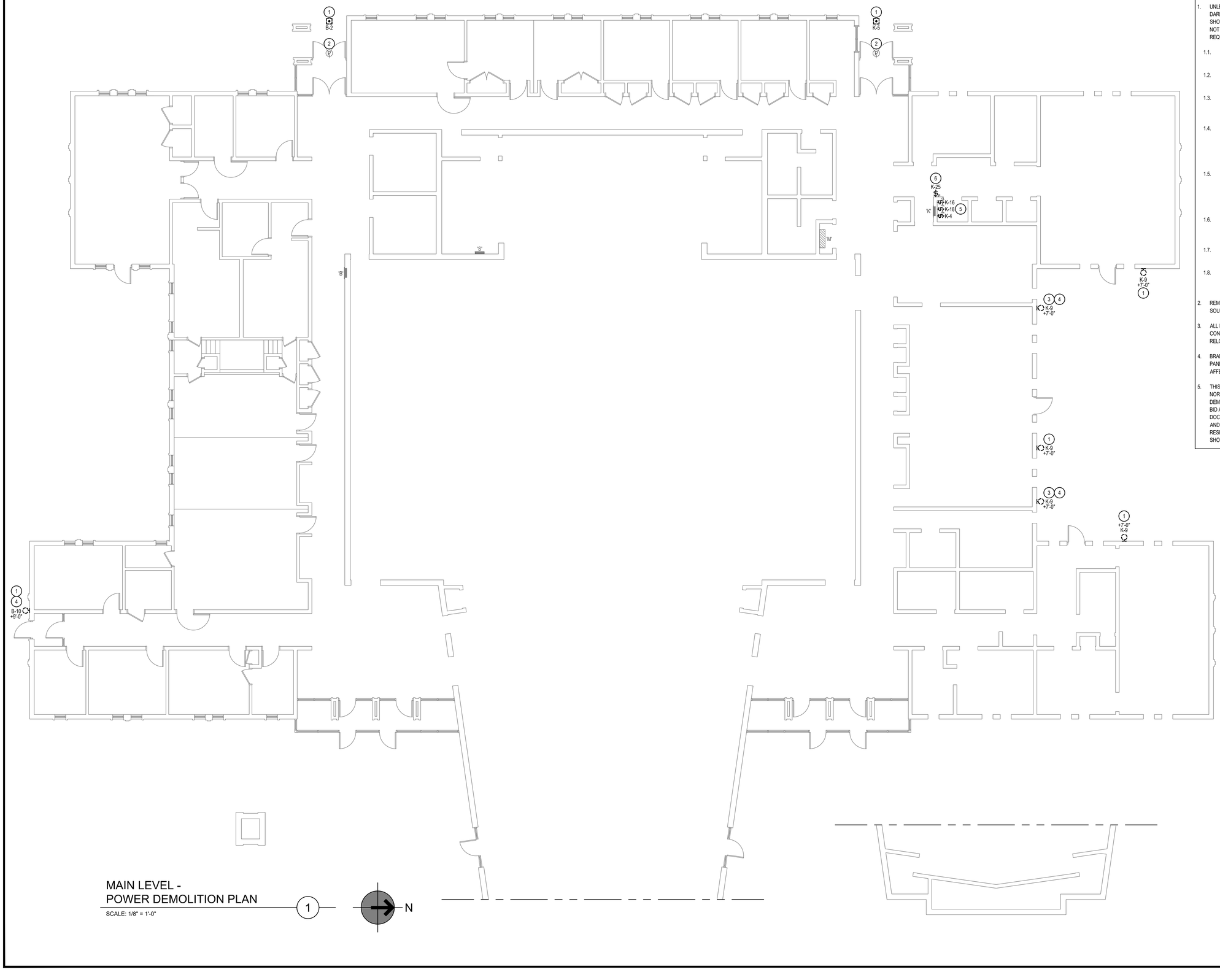
OGDEN, UTAH

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
DATE: 14 NOV 2025
PROPERTY NUMBER: 5022533
DRAWN BY: SDK
CHECKED: DPW

SHEET TITLE: SYMBOLS, NOTES AND SCHEDULES

SHEET: EG001



MAIN LEVEL -
POWER DEMOLITION PLAN

1

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

N

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE AND ELECTRICAL ITEMS SHOWN IN DARK DASHED LINES. LIGHT & SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS.
   - 1.1. DISCONNECT AND REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
   - 1.2. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
   - 1.3. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
   - 1.4. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFY SOURCE.
   - 1.5. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
   - 1.6. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILING, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
   - 1.7. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS CEILINGS, ROOFS, ETC.
   - 1.8. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
2. REMOVE ANY UNUSED BRANCH CIRCUITS FOUND DURING THE DEMOLITION BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL "SPARE".
3. ALL EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA AND INTERFERE WITH CONSTRUCTION IN ANY WAY SHALL BE RELOCATED OR REROUTED AS NECESSARY.
4. BRANCH CIRCUITS, IF SHOWN WERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES AND MAY NOT BE ACCURATE. CONTRACTOR SHALL TRACE OUT ALL AFFECTED CIRCUITS PRIOR TO ANY DEMOLITION.
5. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE FULL SET OF CONTRACT DOCUMENTS (DRAWING AND SPECIFICATIONS).

KEYED NOTES: (#)

1. DISCONNECT, REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE. BRANCH CIRCUIT AS SHOWN IS ASSUMED. CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE WHAT CIRCUIT FEEDS THE EXISTING LIGHT FIXTURE. EXISTING BRANCH CIRCUIT AND ASSOCIATED LIGHTING CONTROLS TO REMAIN IN PLACE FOR REUSE.
2. EXISTING PHOTOCELL SHALL REMAIN. PROTECT FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
3. DISCONNECT, REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE. REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO THE NEXT LIGHT FIXTURE THAT IS TO REMAIN IN PLACE. IF THERE ARE OTHER EXISTING LIGHT FIXTURES OR DEVICES ON THE EXISTING CIRCUIT, REWIRE EXISTING LIGHT FIXTURES OR DEVICES TO REMAIN OPERATIONAL. BRANCH CIRCUIT AS SHOWN IS ASSUMED. CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE WHAT IS ON THE CIRCUIT PRIOR TO THE START OF THE DEMOLITION.
4. PROVIDE AND INSTALL WEATHERPROOF COVERPLATE.
5. DISCONNECT POWER FROM EXISTING HEAT TAPE SWITCHES. REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS, CONDUIT, BOXES, ETC. BACK TO PANEL COMPLETELY. CONTRACTOR TO TRACE OUT CIRCUIT PRIOR TO REMOVAL TO VERIFY PANEL AND CIRCUIT FEEDING THE HEAT TAPE SWITCHES.
6. REMOVE AND DISPOSE OF EXISTING HEAT TAPE SWITCH AND COVER PLATE. REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS BACK TO PANEL COMPLETELY. EXISTING CONDUIT AND BOX SHALL BE ABANDONED IN PLACE. PROVIDE NEW BLANK COVER PLATE IN COLOR WHITE.

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PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER: 502253324010201
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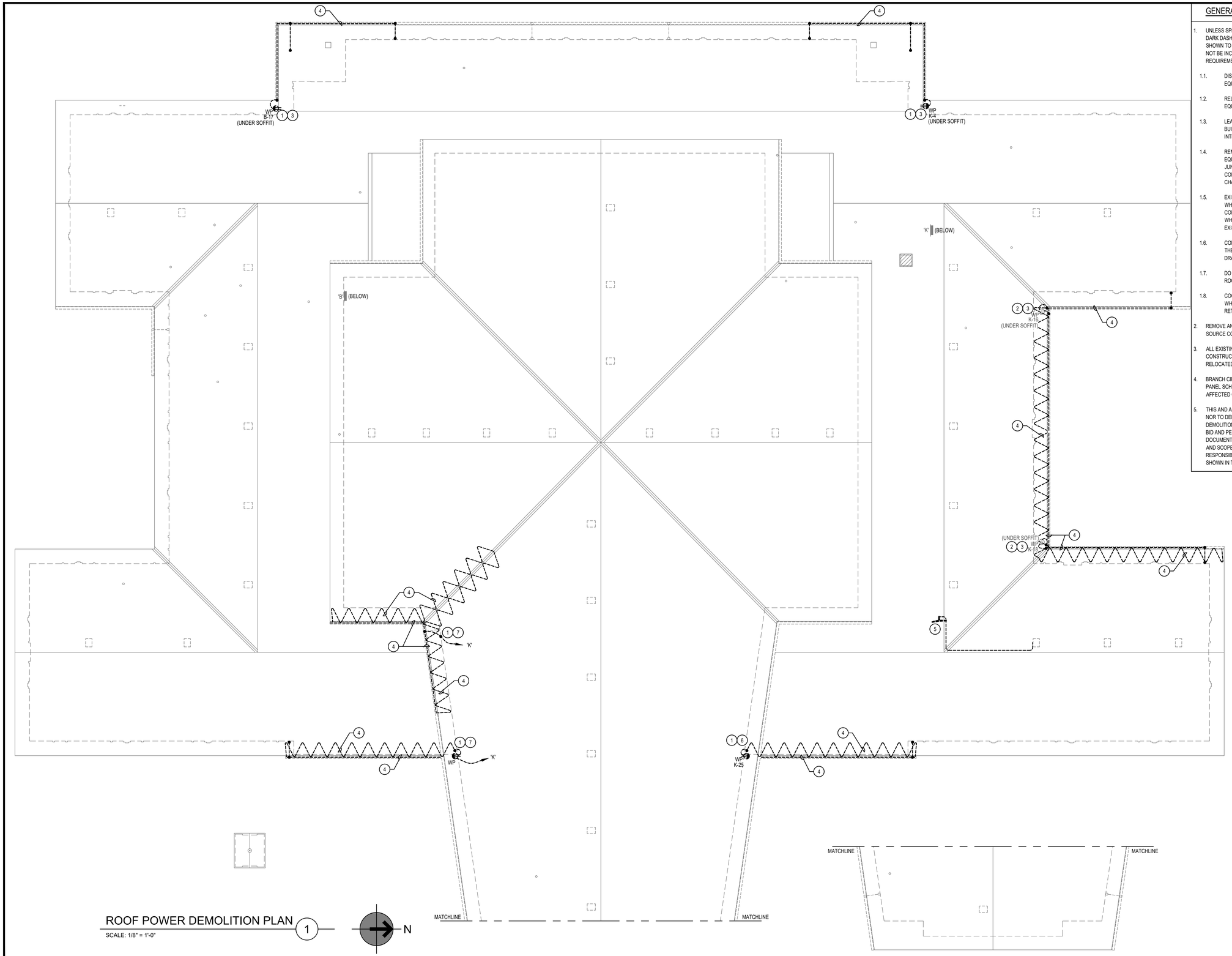
SHEET TITLE: MAIN LEVEL - POWER DEMOLITION PLAN

SHEET: ED101



ROOF POWER DEMOLITION PLAN 1

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

N

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE AND ELECTRICAL ITEMS SHOWN IN DARK DASHED LINES. LIGHT & SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS.
   - 1.1. DISCONNECT AND REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
   - 1.2. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
   - 1.3. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
   - 1.4. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFY SOURCE.
   - 1.5. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
   - 1.6. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILING, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
   - 1.7. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS CEILINGS, ROOFS, ETC.
   - 1.8. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
2. REMOVE ANY UNUSED BRANCH CIRCUITS FOUND DURING THE DEMOLITION BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL "SPARE".
3. ALL EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA AND INTERFERE WITH CONSTRUCTION IN ANY WAY SHALL BE RELOCATED OR REROUTED AS NECESSARY.
4. BRANCH CIRCUITS, IF SHOWN WERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES AND MAY NOT BE ACCURATE. CONTRACTOR SHALL TRACE OUT ALL AFFECTED CIRCUITS PRIOR TO ANY DEMOLITION.
5. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE FULL SET OF CONTRACT DOCUMENTS (DRAWING AND SPECIFICATIONS).

KEYED NOTES: (#)

1. DISCONNECT, REMOVE AND DISPOSE OF EXISTING SNOWMELT CONNECTION. COORDINATE ALL WORK WITH THE ROOFING CONTRACTOR PRIOR TO THE START OF THE DEMOLITION.
2. EXISTING SNOW MELT JUNCTION BOX TO REMAIN IN PLACE. COORDINATE ALL WORK WITH THE ROOFING CONTRACTOR PRIOR TO THE START OF THE DEMOLITION.
3. REMOVE EXISTING BRANCH CIRCUIT BACK TO PANEL COMPLETELY. REMOVE THE EXISTING 20A, 1 POLE BREAKER FEEDING THE SNOW MELT AND RETURN TO THE OWNER. BRANCH CIRCUIT AS SHOWN IS ASSUMED. CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE WHAT CIRCUIT FEEDS THE EXISTING HEAT CABLE.
4. DISCONNECT POWER FROM HEAT CABLE. REMOVE AND DISPOSE OF EXISTING HEAT CABLE ON ROOF, IN GUTTERS AND IN DOWN SPOUTS. BRANCH CIRCUIT AS SHOWN IS ASSUMED. CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE WHAT CIRCUIT FEEDS THE EXISTING HEAT CABLE.
5. REMOVE AND STORE EXISTING SATELLITE DISH FOR REUSE. DISCONNECT EXISTING CABLE. REMOVE TO AN ACCESSIBLE LOCATION FOR RECONNECTION. COORDINATE ALL WORK WITH THE ROOFING CONTRACTOR PRIOR TO THE START OF THE DEMOLITION.
6. REMOVE EXISTING BRANCH CIRCUIT BACK TO PANEL COMPLETELY. EXISTING 20 AMP, 1 POLE BREAKER TO REMAIN IN PLACE FOR REUSE. BRANCH CIRCUIT AS SHOWN IS ASSUMED. CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE WHAT CIRCUIT FEEDS THE EXISTING HEAT CABLE.
7. REMOVE EXISTING BRANCH CIRCUIT BACK TO PANEL COMPLETELY. IT IS ASSUMED THAT THE HEAT CABLE IS FED FROM PANEL 'K'. CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE WHAT IS ON THE CIRCUIT PRIOR TO THE START OF THE DEMOLITION. TURN OFF BREAKER AND LABEL "SPARE". COORDINATE ALL WORK WITH THE ROOFING CONTRACTOR PRIOR TO THE START OF THE DEMOLITION.

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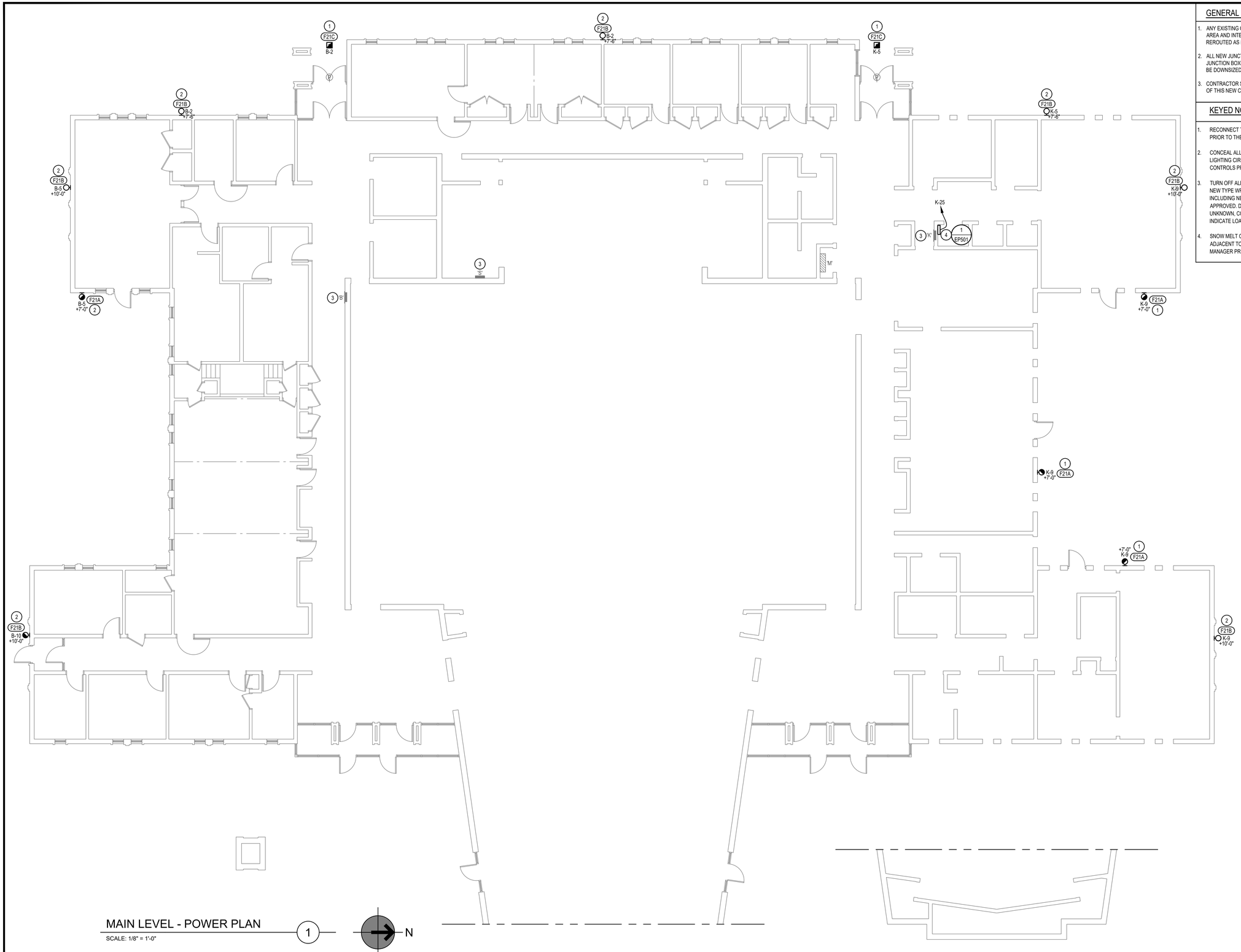

MAIN LEVEL - POWER PLAN

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

1

N

GENERAL NOTES:

1. ANY EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA AND INTERFERE WITH CONSTRUCTION IN ANY WAY SHALL BE RELOCATED OR REROUTED AS NECESSARY.
2. ALL NEW JUNCTION BOXES SHALL MEET ALL NEC REQUIREMENTS. CONDUCTOR FILL IN JUNCTION BOXES SHALL BE SIZED ACCORDING TO NEC. BRANCH CIRCUIT CONDUCTORS MAY BE DOWNSIZED AT THE DEVICE WHERE UPSIZED FOR VOLTAGE DROP.
3. CONTRACTOR SHALL PATCH AND REPAIR ALL BUILDING PENETRATIONS, THAT ARE A RESULT OF THIS NEW CONSTRUCTION. ALL REPAIRS SHALL MATCH EXISTING BUILDING FINISHES.

KEYED NOTES: (#)

1. RECONNECT TO EXISTING LIGHTING BRANCH CIRCUIT AND CONTROLS THAT WERE IN PLACE PRIOR TO THE DEMOLITION.
2. CONCEAL ALL CONDUIT IN EXISTING WALLS, ROOFS, ETC. CONNECT TO LOCAL EXTERIOR LIGHTING CIRCUIT AND CONTROLS IN THE AREA. CONTRACTOR TO CONFIRM CIRCUIT AND CONTROLS PRIOR TO CONNECTION.
3. TURN OFF ALL SPARE BREAKERS AND BREAKERS THAT ARE NO LONGER USED. PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULE INDICATING ALL CHANGES MADE, INCLUDING NEW EQUIPMENT OR LOAD NAME. HAND WRITTEN SCHEDULES WILL NOT BE APPROVED. DO NOT LIST EXISTING LOADS AS "EXISTING LOAD". IF EXISTING LOAD IS UNKNOWN, CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE LOAD SERVED AND INDICATE LOAD SERVED AND LOCATION ON PANEL SCHEDULE.
4. SNOW MELT CONTROLS / CONTACTORS. MOUNT IN CUSTODIAL CLOSET, THE ROOM ADJACENT TO PANEL 'K'. VERIFY EXACT MOUNTING LOCATION WITH THE FACILITIES MANAGER PRIOR TO ANY ROUGH-IN.

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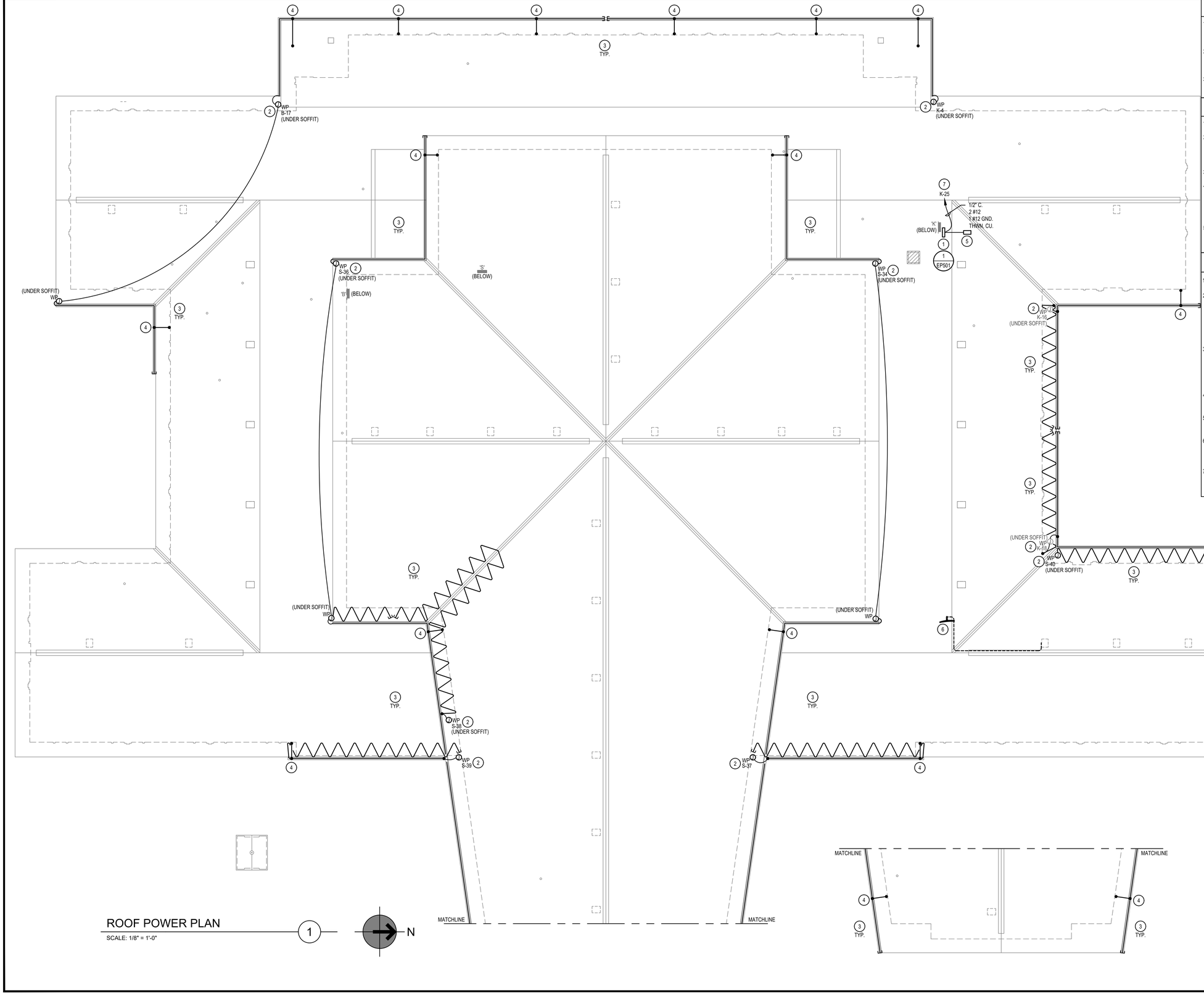

ROOF POWER PLAN

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

GENERAL NOTES:

1. ANY EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA AND INTERFERE WITH CONSTRUCTION IN ANY WAY SHALL BE RELOCATED OR REROUTED AS NECESSARY.
2. ALL NEW JUNCTION BOXES SHALL MEET ALL NEC REQUIREMENTS. CONDUCTOR FILL IN JUNCTION BOXES SHALL BE SIZED ACCORDING TO NEC. BRANCH CIRCUIT CONDUCTORS MAY BE DOWNSIZED AT THE DEVICE WHERE UPSIZED FOR VOLTAGE DROP.
3. CONTRACTOR SHALL PATCH AND REPAIR ALL BUILDING PENETRATIONS, THAT ARE A RESULT OF THIS NEW CONSTRUCTION. ALL REPAIRS SHALL MATCH EXISTING BUILDING FINISHES.

HEAT CABLE GENERAL NOTES:

1. PROVIDE SNOW MELT CABLE ON ROOF AND IN GUTTERS/DOWNSPOUTS AND ROOF AS SHOWN.
2. DO NOT PUT MORE THAN 200' OF 32 DEGREE START SNOW MELT CABLE PER 30A 120V BRANCH CIRCUIT AND MORE THAN 130' OF 32 DEGREE START SNOW MELT CABLE PER 20A 120V BRANCH CIRCUIT. REFER TO MANUFACTURERS WRITTEN INSTRUCTIONS FOR ADDITIONAL INFORMATION. PROVIDE ADDITIONAL BRANCH CIRCUITS IF ABOVE FOOTAGE IS EXCEEDED.
3. INSTALL GUTTER SNOW MELT CABLE PER ALL MANUFACTURERS RECOMMENDATIONS.
4. THE SNOW MELT SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE SNOW MELT SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL EQUIPMENT AND SNOW MELT LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS WILL NOT BE ACCEPTED.
5. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE UPSIZED FOR VOLTAGE DROP WHETHER SHOWN OR NOT. VOLTAGE DROP FROM A PANELBOARD TO ANY ELECTRICAL DEVICE SHALL BE MAXIMUM 3%.

KEYED NOTES: (#)

1. SNOW MELT CONTROLS / CONTRACTORS.
2. PROVIDE NEW 30A, 1 POLE, 30 MILLIAMPERE GFEP BREAKER FOR SNOW MELT CABLE IN SPACE AND PANEL INDICATED. CONTRACTOR TO ROUTE BRANCH CIRCUIT THROUGH NEW HEAT CABLE CONTRACTOR. SEE EP101 FOR LOCATION AND 1/EP501 FOR ADDITIONAL REQUIREMENTS. NEW BREAKER TO BE OF THE SAME MANUFACTURER (SQ D) AND INTERRUPTING CURRENT AS THE EXISTING INSTALLED. CONTRACTOR TO FIELD VERIFY ALL REQUIREMENTS PRIOR TO ORDERING THE BREAKER.
3. INSTALL NEW SNOW MELT CABLE ON ROOF, GUTTERS AND DOWNSPOUTS AS SHOWN PER MANUFACTURER RECOMMENDATIONS. CONNECT TO NEW SNOW MELT CONTROLS AS SHOWN. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED HARDWARE, SWITCHES, SENSORS, ETC. AS REQUIRED. COORDINATE ALL REQUIREMENTS AND INSTALLATION WITH THE HEAT CABLE SUPPLIER PRIOR TO ANY ROUGH-IN.
4. DOWNSPOUT. CONTRACTOR TO VERIFY ACTUAL LENGTH OF DOWNSPOUT AND PROVIDE TO THE HEAT CABLE SUPPLIER FOR THE HEAT CABLE CALCULATIONS AND SHOP DRAWINGS.
5. ROOF SNOW MELT SENSOR. MOUNTING PER MANUFACTURERS WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. REINSTALL EXISTING SATELITE DISH THAT WAS REMOVED DURING THE DEMOLITION. CONNECT TO EXISTING CABLE THAT WAS IN PLACE PRIOR TO THE DEMOLITION. ALL EXISTING DEVICES AND EQUIPMENT TO FUNCTION THE SAME AS PRIOR TO THE DEMOLITION.
7. CONNECT TO EXISTING 20 AMP, 1 POLE BREAKER THAT WAS IN PLACE PRIOR TO THE DEMOLITION FOR HEAT CABLE CONTACTOR. SEE EP101 FOR LOCATION AND 1/EP501 FOR ADDITIONAL REQUIREMENTS.

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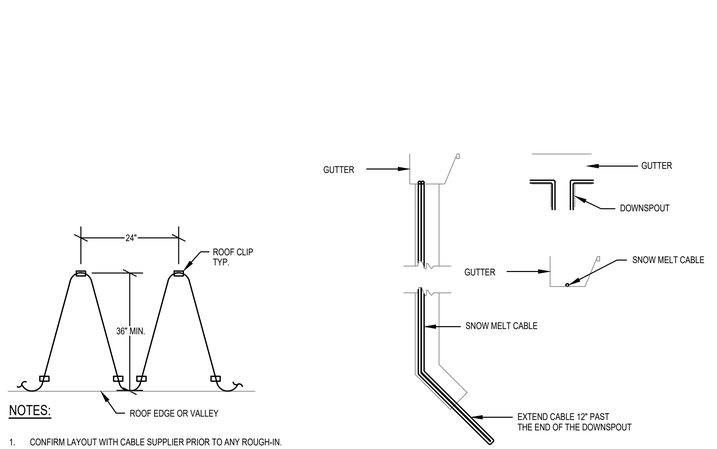

1 SNOW MELT CONTROLS
SCALE: NONE

2 SNOW MELT CABLE INSTALLATION DETAIL
SCALE: NONE

NOTES:

1. CONFIRM LAYOUT WITH CABLE SUPPLIER PRIOR TO ANY ROUGH-IN.

3 ROOF SNOW MELT CABLE MOUNTING DETAIL
SCALE: NONE

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE	LOAD (VA)	MOUNTING	LAMPS				REMARKS
							TYPE	WATTS	COLOR (KELVIN)	CRI	
F21A	LITHONIA ATG ELECTRONICS H.E. WILLIAMS LSI LUMARK EXO	WDGE2 LED P2 30K 70CRI T3M MVOLT SRM PIR SCBA WPGP-20-30K-CBA-S9 VWPH-L30/730-T3-DBZ-CGL-DIM-UNV-OCCWS-FSP-311-L_-120/277 XWS LED 2L SIL 3 UNV DIM 30 70CRI ALBCS1 SCBA AXCS2A-W-SCBA-ISHH-01 BB/AXC SG1-20-3K7-FT-UNV-DBT-SCP-20F	WALL LIGHT WET LOCATION RATED PROVIDE WITH INTEGRAL BACK BOX 2,000 LUMENS MOTION /AMBIENT SENSOR / BI-LEVEL DIMMING (30-100%) STANDARD COLOR BY ARCHITECT	120	19	WALL	LED	19	3000	80	PROVIDE A COLD WEATHER RATED BATTERY (-20 DEGREE C) WHERE EMERGENCY LIGHT IS SHOWN.
F21B	LITHONIA ATG ELECTRONICS H.E. WILLIAMS LSI LUMARK EXO	WDGE4 LED P2 30K 70CRI RFT MVOLT SRM PIR SCBA WPDSZ-120W-30K-GS-CBA WPCL-L200/830-SF-OCC-S23-DIM-UNV XWM 2 LED 18L 30 UE SCBA ALBMR1LR DIM SCBA AXCS12A-W-SCBA-ISHH-01 BB/AXC WDM-D-48L-130-3K7-FTD-UNV-DBT	WALL LIGHT WET LOCATION RATED PROVIDE WITH INTEGRAL BACK BOX 16,000 LUMENS MOTION /AMBIENT SENSOR / BI-LEVEL DIMMING (30-100%) STANDARD COLOR BY ARCHITECT	120	106	WALL	LED	106	3000	80	PROVIDE A COLD WEATHER RATED BATTERY (-20 DEGREE C) WHERE EMERGENCY LIGHT IS SHOWN.
F21C	LITHONIA ATG ELECTRONICS H.E. WILLIAMS LSI LUMARK EXO	CNY LED ALO SWW2 UVOLT PE PIR DDB 30K 5000L SCP-75-T1 VG1-L65/730-T5-SM-SCBA-DIM-120 WCP LED 5L DA W UNV DIM 30 EXT SCBA CLCS1SS SGC-F-60-LSCS	CANOPY LIGHT 5,000 LUMENS 0-10 VOLT DIMMING STANDARD COLOR BY ARCHITECT	120	34	CEILING	LED	34	3500	80	PROVIDE A COLD WEATHER RATED BATTERY (-20 DEGREE C) WHERE EMERGENCY LIGHT IS SHOWN.

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