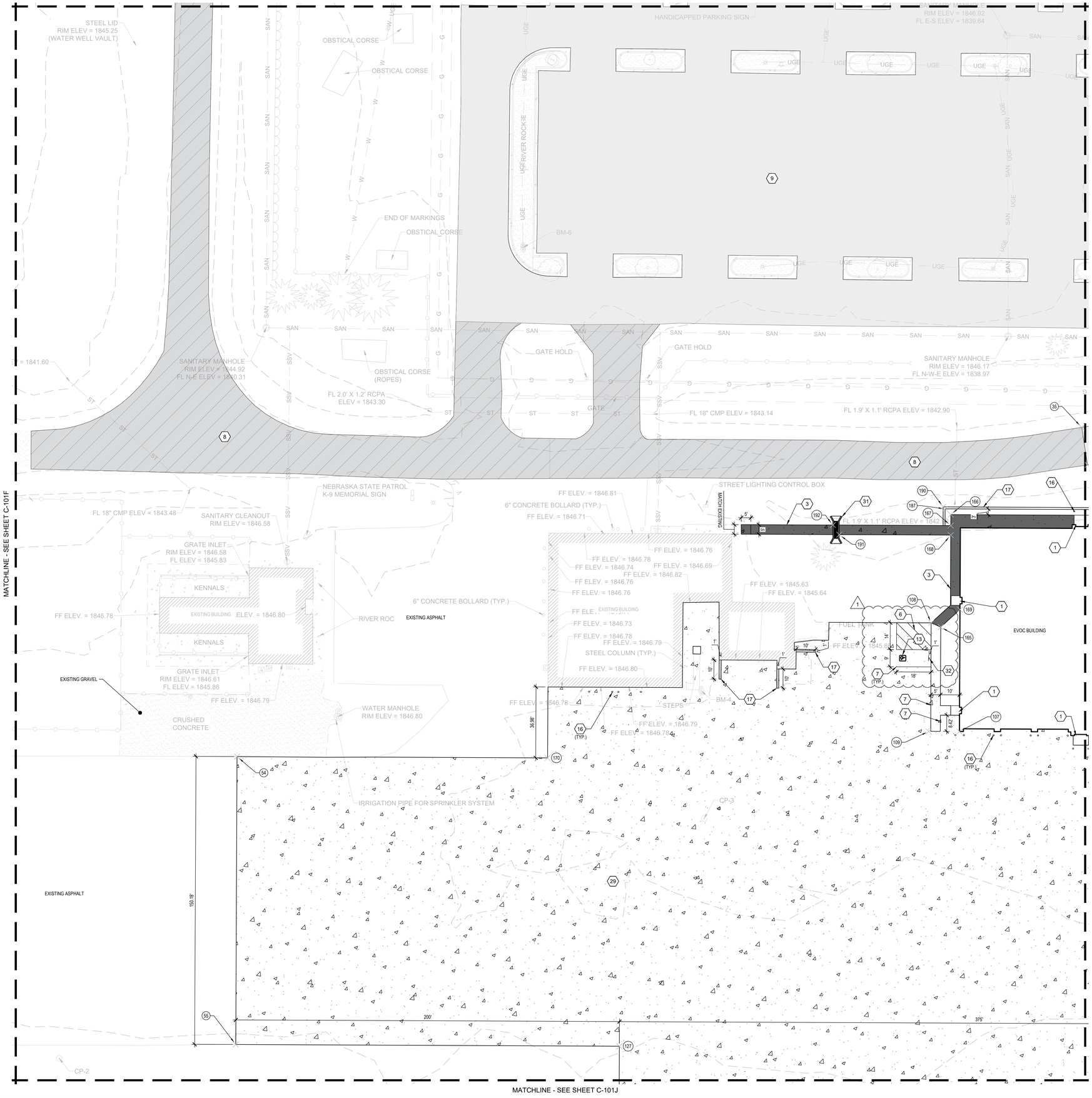
MATCHLINE - SEE SHEET C-101D

MATCHLINE - SEE SHEET C-101F

MATCHLINE - SEE SHEET C-101H

MATCHLINE - SEE SHEET C-101J



SITE LAYOUT NOTES:

1. SEE GENERAL NOTES, COORDINATE POINTS, AND LEGEND ON SHEET ST-C-100.

PAVEMENT JOINTING NOTES:

1. CONTRACTOR SHALL PREPARE AND SUBMIT A JOINT LAYOUT PLAN FOR ALL CONCRETE PAVEMENT FOR THE ENGINEER TO REVIEW AND APPROVE PRIOR TO PAVEMENT CONSTRUCTION.
2. THE MAXIMUM JOINT SPACING FOR CONCRETE PAVEMENT SHALL BE TWICE THE PAVEMENT THICKNESS IN INCHES (E.G. 6" = 12' MAX SPACING) WITH A MAXIMUM ALLOWABLE SPACING OF 12'. PANELS SHALL BE KEPT AS SQUARE AS POSSIBLE WITH TRANSVERSE JOINT SPACING NOT EXCEEDING 125% OF LONGITUDINAL SPACING.
3. ALL SITE PAVING SHALL HAVE JOINT REINFORCEMENT PER THE JOINTING DETAILS IN THESE PLANS.
4. A 1/2" SEALED EXPANSION JOINT SHALL BE PROVIDED BETWEEN CONCRETE PAVEMENTS/SIDEWALKS AND STRUCTURES (BUILDINGS, STOOPS, MANHOLES, HYDRANTS, ETC.) UNLESS OTHERWISE NOTED.
5. ALL PAVEMENT JOINTS SHALL BE CLEANED AND SEALED.

KEYNOTES: (x)

NOTE: NOT ALL KEYNOTES LISTED WILL BE SHOWN ON THIS DRAWING SHEET.

1. CONSTRUCT STRUCTURAL STOOP/LANDING, SEE DETAIL D4/FR-S-301 FOR RANGE BUILDING AND D5/EV-S-301 FOR EVOC BUILDING.
2. CONSTRUCT 7" CONCRETE PAVEMENT, SEE DETAIL 1/ST-C-502.
3. CONSTRUCT 4" CONCRETE SIDEWALK, SEE DETAIL 3/ST-C-502. SEE DETAIL 5/ST-C-502 FOR SIDEWALK JOINTING.
4. CONSTRUCT ADA ACCESSIBLE PARKING SIGN, SEE DETAIL 1/ST-C-501.
5. CONSTRUCT ADA ACCESSIBLE PARKING LOCATION, SEE DETAIL 8/ST-C-501.
6. CONSTRUCT 4" WHITE PAVEMENT STRIPING, 2' ON CENTER.
7. CONSTRUCT 4" WHITE PAVEMENT STRIPING.
8. MILL (2" MIN.) AND OVERLAY (3" MIN.) EXISTING ASPHALT PAVEMENT. CONTRACTOR SHALL COORDINATE WITH GEOTECHNICAL ENGINEER AND OWNER TO PERFORM FULL-DEPTH REPAIR WHERE NECESSARY. SEE DETAIL 8/ST-C-501 FOR TYPICAL SECTION. CONTRACTOR SHALL VERIFY THAT FINISHED OVERLAY SURFACE WILL PROVIDE POSITIVE DRAINAGE OFF OF PAVEMENT AND AWAY FROM STRUCTURES.
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10. CONSTRUCT PRECAST WHEEL STOPS, SEE DETAIL 5/ST-C-501.
11. EXTERIOR WALL FOR STAIRS, SEE ARCHITECTURE PLANS FOR DETAILS.
12. CONSTRUCT THICKENED EDGE JOINT, SEE DETAIL 4/ST-C-502.
13. HANDICAP ACCESSIBLE PARKING SYMBOL, SEE DETAIL 2/ST-C-501.
14. CONSTRUCT 6" CRUSHED ROCK SURFACE PLACED ON NON-WOVEN GEOTEXTILE, SEE SPECIFICATIONS.
15. CONSTRUCT TRANSFORMER PAD PER CITY OF GRAND ISLAND UTILITIES DEPARTMENT 75-1000 KVA TRANSFORMER PAD REQUIREMENTS.
16. CONSTRUCT BOLLARD, SEE DETAIL 3/ST-C-501. SEE ARCHITECTURE PLANS FOR BOLLARD LOCATIONS. COORDINATE WITH BUILDING DOOR LOCATIONS WHERE APPLICABLE. IF REPLACING REMOVED EXISTING BOLLARD, MATCH EXISTING LOCATION.
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23. CONSTRUCT REMOVABLE BOLLARD, SEE DETAIL 4/ST-C-501.
24. CONSTRUCT CONCRETE CURB RAMP, SEE NDOT DETAIL ON SHEET ST-C-505 FOR INFORMATION.
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28. CONSTRUCT LANDSCAPED AREA TO MATCH EXISTING CONDITIONS.
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30. PLANT TREES, SEE PLANT SCHEDULE ON SHEET ST-C-101A FOR DETAILS.
31. TRENCH DRAIN WITH WINGWALLS, SEE DETAIL 10/ST-C-503.
32. CONSTRUCT ADA ACCESSIBLE PARKING SIGN ON A BOLLARD BASE, SEE DETAIL 10/ST-C-501

0 20 40
SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
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P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

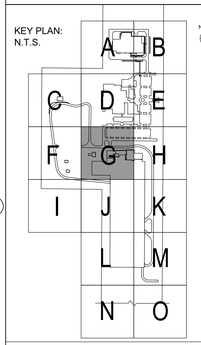
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



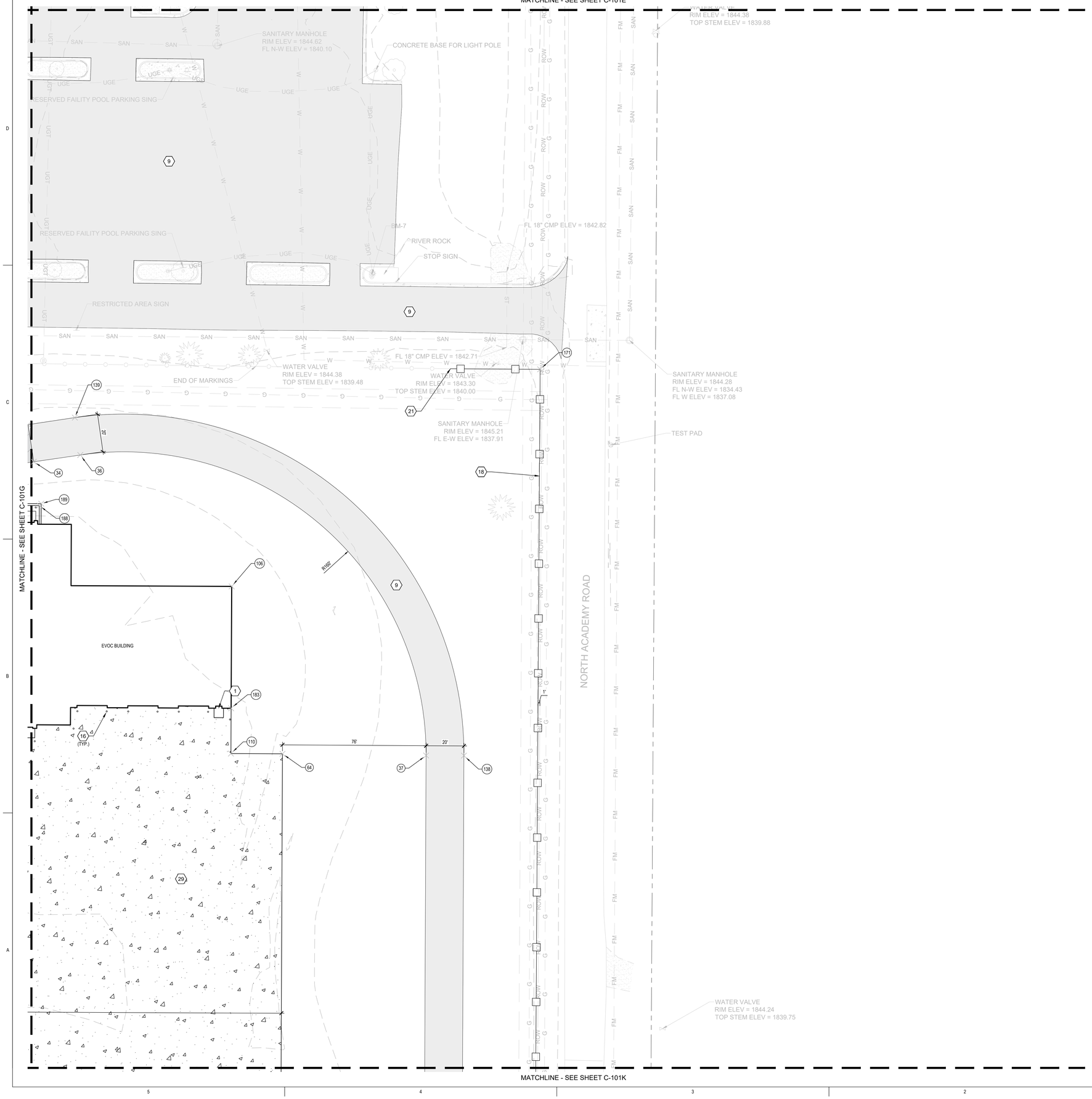
DRAWING TITLE:

SITE LAYOUT PLAN - AREA G

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:

ST-C-101G



SITE LAYOUT NOTES:

1. SEE GENERAL NOTES, COORDINATE POINTS, AND LEGEND ON SHEET ST-C-100.

PAVEMENT JOINTING NOTES:

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(1)
4. CONSTRUCT ADA ACCESSIBLE PARKING SIGN, SEE DETAIL 1/ST-C-501.
5. CONSTRUCT ADA ACCESSIBLE PARKING LOCATION, SEE DETAIL 8/ST-C-501.

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31. TRENCH DRAIN WITH WINGWALLS, SEE DETAIL 10/ST-C-503.

(1)
32. CONSTRUCT ADA ACCESSIBLE PARKING SIGN ON A BOLLARD BASE, SEE DETAIL 10/ST-C-501

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SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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DESIGN ARCHITECT & MASTERPLANNER
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TACTICAL DESIGN NORTH

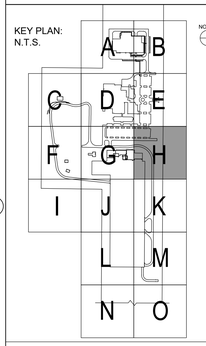
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
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Omaha, NE 68106
P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS		
NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



DRAWING TITLE:
SITE LAYOUT PLAN - AREA H

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-101H



SITE LAYOUT NOTES:

1. SEE GENERAL NOTES, COORDINATE POINTS, AND LEGEND ON SHEET ST-C-100.

PAVEMENT JOINTING NOTES:

1. CONTRACTOR SHALL PREPARE AND SUBMIT A JOINT LAYOUT PLAN FOR ALL CONCRETE PAVEMENT FOR THE ENGINEER TO REVIEW AND APPROVE PRIOR TO PAVEMENT CONSTRUCTION.
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KEYNOTES: (x)

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19. CONSTRUCT 20' WIDE DOUBLE SWING GATE, SEE DETAIL 9/ST-C-502.
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N

0 20 40
SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

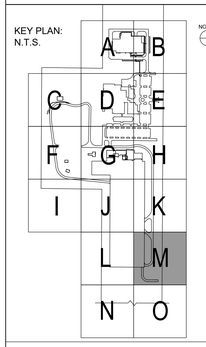
TACTICAL DESIGN NORTH, INC.
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ENGINEERS OF RECORD:

HDR

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P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS		
NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

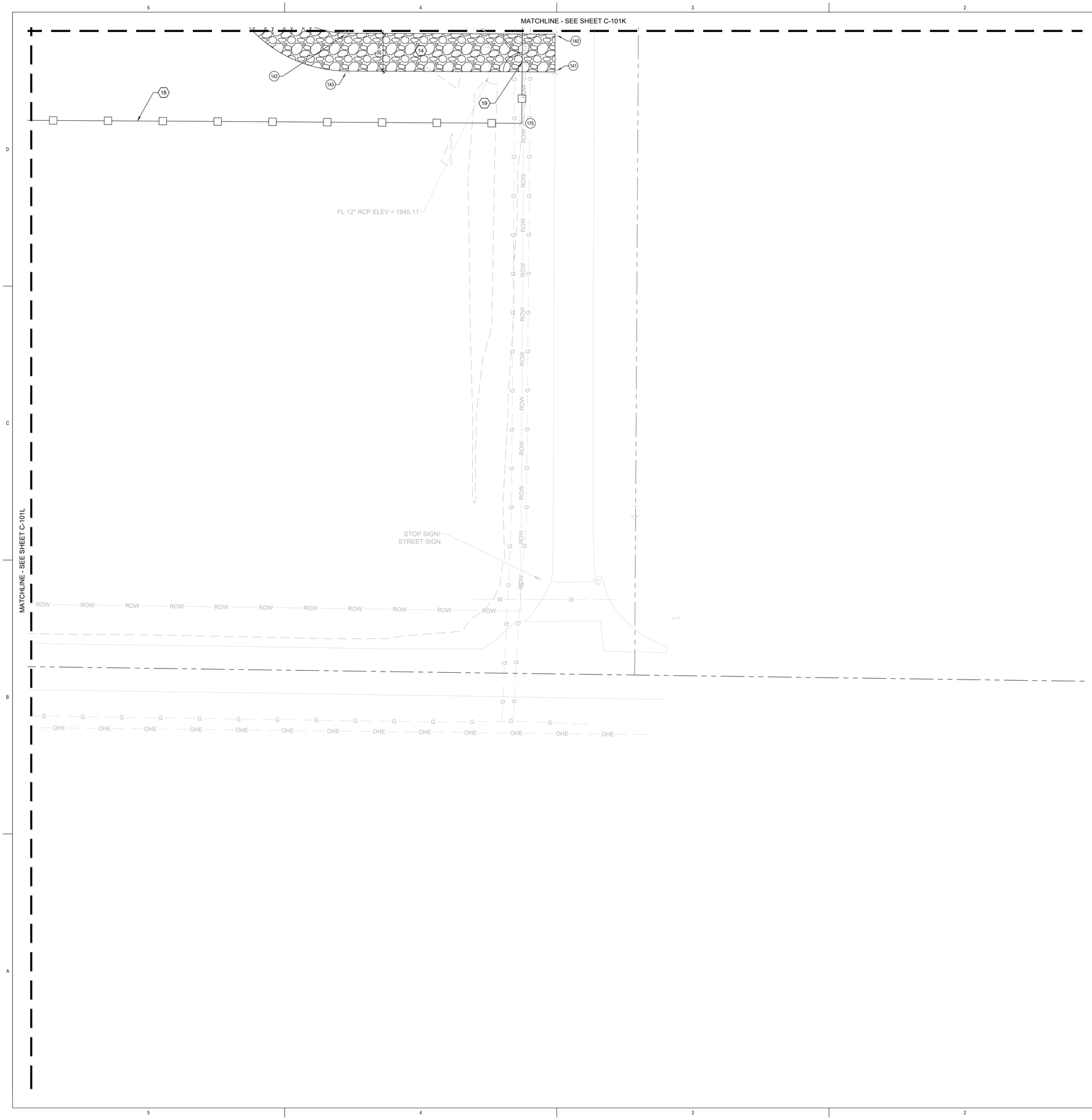
SEAL & SIGNATURE:



DRAWING TITLE:
SITE LAYOUT PLAN - AREA M

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-101M



SITE LAYOUT NOTES:

1. SEE GENERAL NOTES, COORDINATE POINTS, AND LEGEND ON SHEET ST-C-100.

PAVEMENT JOINTING NOTES:

1. CONTRACTOR SHALL PREPARE AND SUBMIT A JOINT LAYOUT PLAN FOR ALL CONCRETE PAVEMENT FOR THE ENGINEER TO REVIEW AND APPROVE PRIOR TO PAVEMENT CONSTRUCTION.
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22. CONSTRUCT ADA COMPLIANT DETECTABLE WARNING PAD.
23. CONSTRUCT REMOVABLE BOLLARD, SEE DETAIL 4/ST-C-501.
24. CONSTRUCT CONCRETE CURB RAMP, SEE NDOT DETAIL ON SHEET ST-C-505 FOR INFORMATION.
25. CONSTRUCT PEA GRAVEL RUN-OFF AREA, SEE DETAIL 9/ST-C-501 FOR SECTION VIEW.
26. NDOT STANDARD GUARDRAIL END TREATMENT, TYPE II.
27. CONSTRUCT GUARDRAIL 5' MIN. OFFSET FROM EDGE OF ROADWAY. GUARDRAIL SHALL BE NDOT STANDARD W-BEAM GUARDRAIL. SEE NDOT STANDARD PLAN 743-R3 ON SHEET ST-C-504 FOR DETAILS.
28. CONSTRUCT LANDSCAPED AREA TO MATCH EXISTING CONDITIONS.
29. CONSTRUCT 8" CONCRETE PAVEMENT, SEE DETAIL 2/ST-C-502. SEE NDOT DETAILS ON SHEET ST-C-505 FOR JOINTING DETAILS.
30. PLANT TREES, SEE PLANT SCHEDULE ON SHEET ST-C-101A FOR DETAILS.
31. TRENCH DRAIN WITH WINGWALLS, SEE DETAIL 10/ST-C-503.
32. CONSTRUCT ADA ACCESSIBLE PARKING SIGN ON A BOLLARD BASE, SEE DETAIL 10/ST-C-501

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SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
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P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

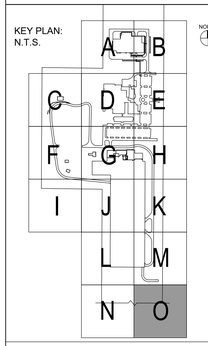
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
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P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
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P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

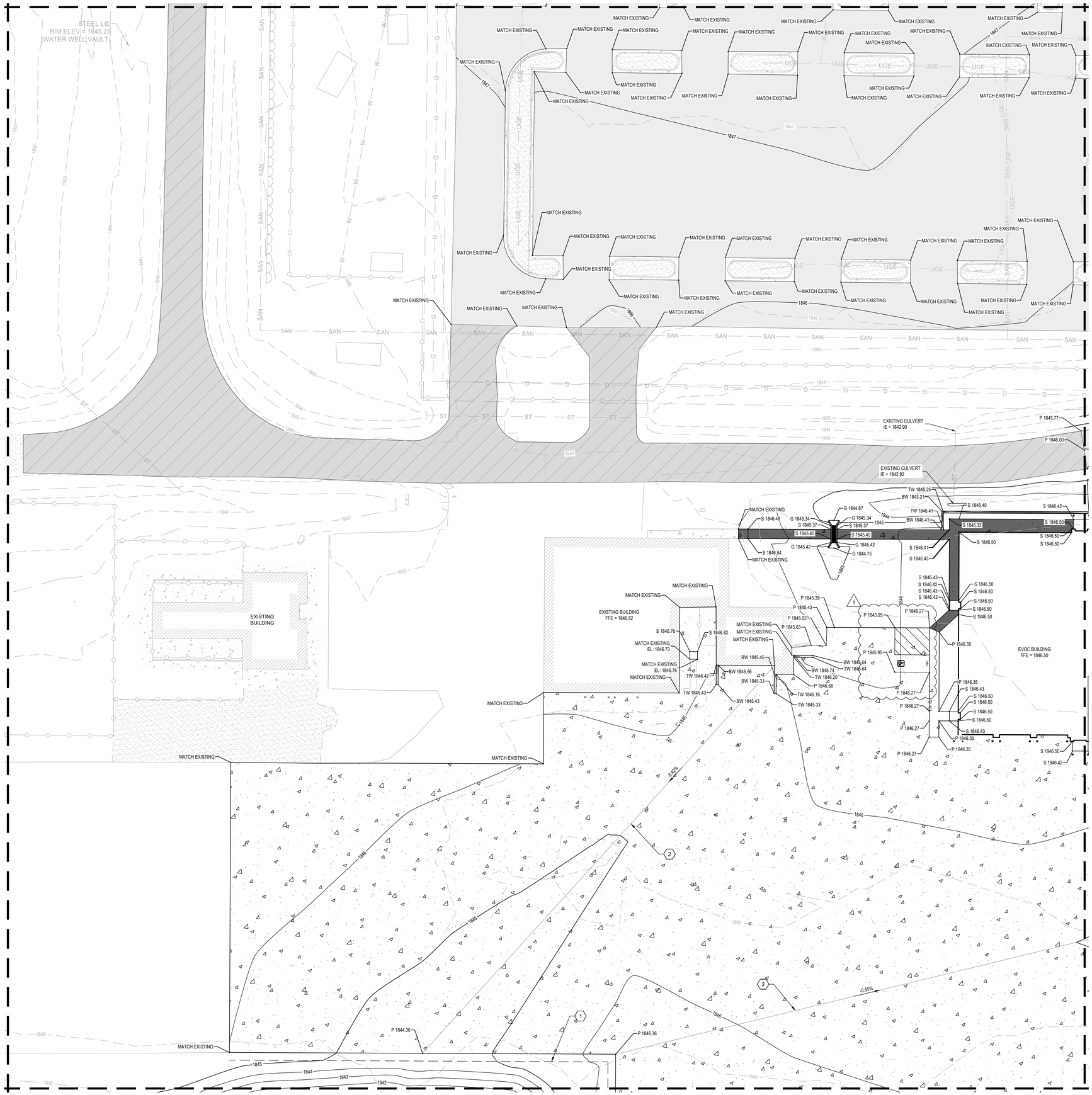
SEAL & SIGNATURE:



DRAWING TITLE:
SITE LAYOUT PLAN - AREA O

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-101O



GENERAL GRADING NOTES

1. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SHALL NOT ALLOW WATER TO COLLECT NEAR FOUNDATIONS, FLOOR SLABS, PAVEMENTS, RETAINING WALLS, OR ANY OTHER STRUCTURES EITHER DURING OR AFTER CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL GRADING NECESSARY TO ACHIEVE THE REQUIRED DESIGN ELEVATIONS.
3. ALL ELEVATIONS ARE FOR FINISHED GRADE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AS NEEDED BASED ON PAVEMENT (AND/OR OTHER MATERIALS) THICKNESS TO ACHIEVE THE REQUIRED SUBGRADE ELEVATION.
4. NO DEBRIS, RUBBLE, ETC SHALL BE BURIED ON-SITE. CONTRACTOR IS RESPONSIBLE FOR REMOVING SUCH MATERIAL FROM SITE AND DISPOSING IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.
5. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT AND PROJECT DOCUMENTS FOR FILL MATERIALS AND COMPACTION REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE GEOTECH REPORT AND PROJECT DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
6. ALL BURIED ELEMENTS (E.G. FOUNDATIONS, TUNNELS, BASEMENTS, UTILITIES, CISTERNS, TANKS, ETC.), THE ASSOCIATED BACKFILL OF THE ELEMENTS, AND EXISTING PAVEMENT SLABS SHALL BE THOROUGHLY REMOVED BELOW PLANNED STRUCTURES. ACTUAL REMOVAL DEPTHS AND LATERAL EXTENTS AND SUBGRADE CONDITIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER DURING CONSTRUCTION.
7. CONTRACTOR SHALL STRIP THE SITE OF ALL EXISTING VEGETATION, ORGANIC TOPSOIL AND OTHER MATERIALS UNSUITABLE FOR RE-USE AS ENGINEERED FILL WITHIN ALL FILL AND STRUCTURE AREAS. A MINIMUM STRIPPING DEPTH OF 6 INCHES SHALL BE USED UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER. WHERE FEASIBLE SITE STRIPPING AND SUBGRADE PREPARATION SHALL EXTEND AT LEAST 5-FEET BEYOND THE BUILDING PERIMETER.
8. IN AREAS OUTSIDE OF THE BUILDING PADS, AFTER TOPSOIL STRIPPING, AND PRIOR TO PLACEMENT OF STRUCTURAL FILL, THE CONTRACTOR SHALL SCARIFY AND RECOMPACT THE UPPER 6-9 INCHES OF EXPOSED SUBGRADE. THIS MATERIAL SHALL BE MOISTURE CONDITIONED AND COMPACTED AS STRUCTURAL FILL.
9. SEE PAGE ST-C-201B FOR PIPE AND STRUCTURE TABLES.
10. MINIMUM DEPTH OF COVER OF 1' SHALL BE MAINTAINED FOR ALL STORM WATER PIPING MEASURED FROM TOP OF CONCRETE OR BOTTOM OF ASPHALT TO THE CROWN OF A PIPE.

KEYNOTES (X)

NOTE: NOT ALL KEYNOTES LISTED WILL BE SHOWN ON THIS DRAWING SHEET.

1. TYPICAL SHOULDER, 4' OFFSET FROM EDGE OF PAVEMENT AT -4% GRADE.
2. SURFACE BREAKLINE.
3. EXISTING ELEVATION IS TO BE MATCHED WITH GRAVEL SURFACE WHERE SHOWN, NO VARIANCE FROM EXISTING GRADE SHALL BE ALLOWED.
4. 12"x12" DUCTILE IRON GRATED NYLOPLAST DRAIN BASIN, SEE ADS DWG 7001-110-189 ON SHEET ST-C-505 FOR DETAILS.
5. BELOW-GRADE ROOF DRAIN SEE DETAIL 6/ST-C-502.
6. OVEREXCAVATION TO OCCUR WITHIN 5' OUTSIDE OF BUILDING LIMITS TO A DEPTH OF 4' OR UNTIL NATIVE SANDS ARE UNCOVERED, WHICHEVER SHALLOWER. PER GEOTECH REPORT, NATIVE SOILS SHOULD BE INSPECTED AND VIBRATORY COMPACTED/PROOFROLLED PRIOR TO PLACEMENT OF STRUCTURAL FILL.
7. CONSTRUCT 6" HDPE 90 DEGREE ELBOW.
8. CONSTRUCT HDPE TEE FITTING.
9. CONSTRUCT 4" PERFORATED UNDERDRAIN, WRAP IN GEOTEXTILE FABRIC AND CAP AT EACH END WITH PREMANUFACTURED CAP.
10. CONSTRUCT 4" HDPE OUTLET PIPE, ADS N-12 WT OR APPROVED EQUAL, I.E. = 1843.57'.

N

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SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
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DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

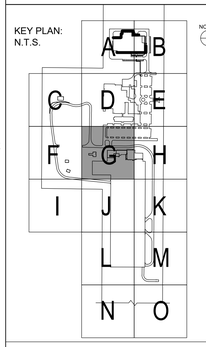
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ENGINEERS OF RECORD:

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P. 402-399-1000

KEY PLAN:
N.T.S.



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1	ADDENDUM 2	09/25/2024

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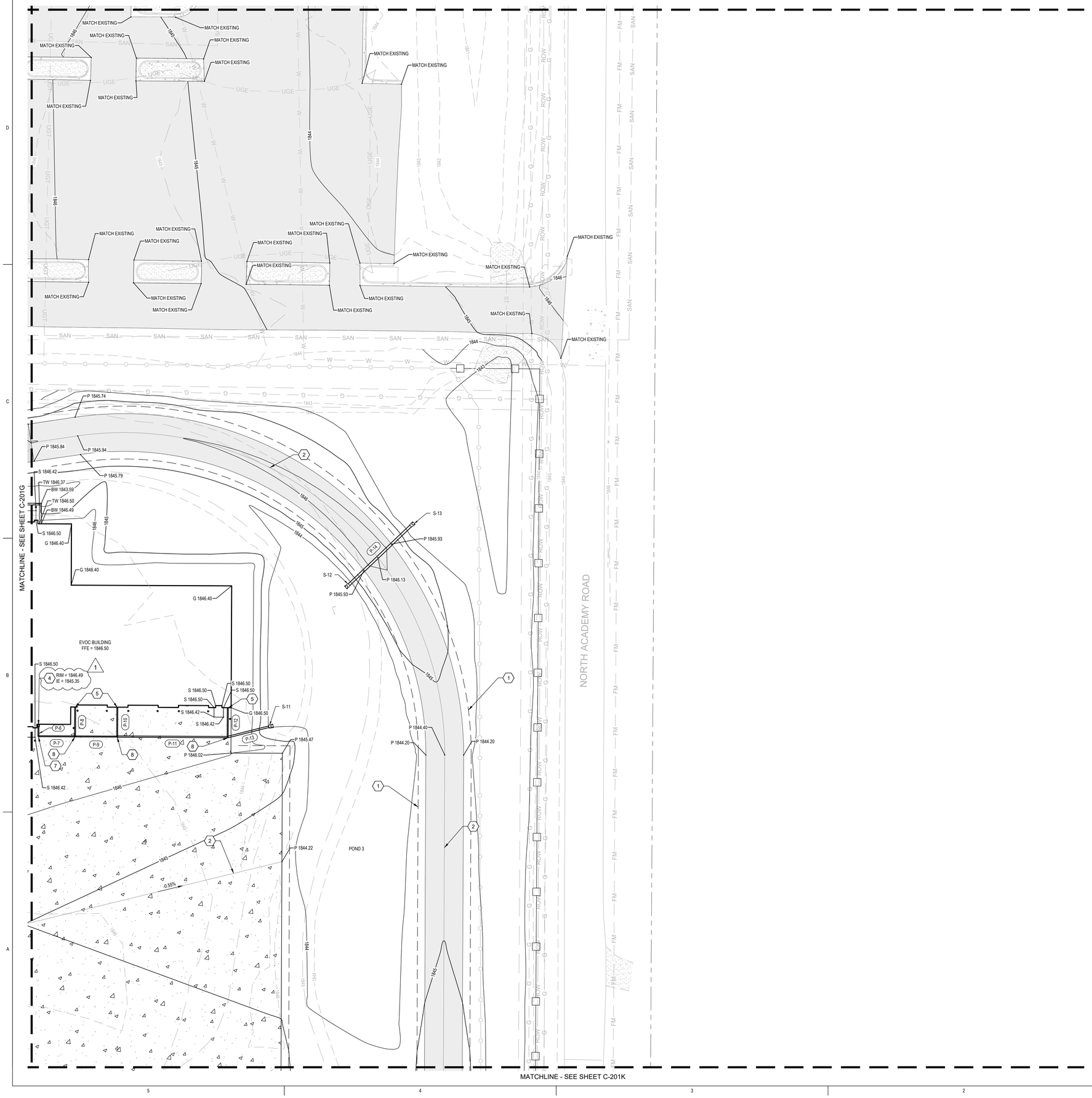
SEAL & SIGNATURE:



DRAWING TITLE:
GRADING & DRAINAGE PLAN - AREA G

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-201G



GENERAL GRADING NOTES

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5. BELOW-GRADE ROOF DRAIN SEE DETAIL 6/ST-C-502.
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7. CONSTRUCT 6" HDPE 90 DEGREE ELBOW.
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10. CONSTRUCT 4" HDPE OUTLET PIPE, ADS N-12 WT OR APPROVED EQUAL, I.E. = 1843.57'.

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SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
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P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

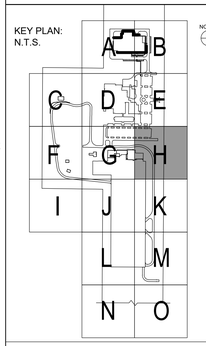
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
B	ADDENDUM 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

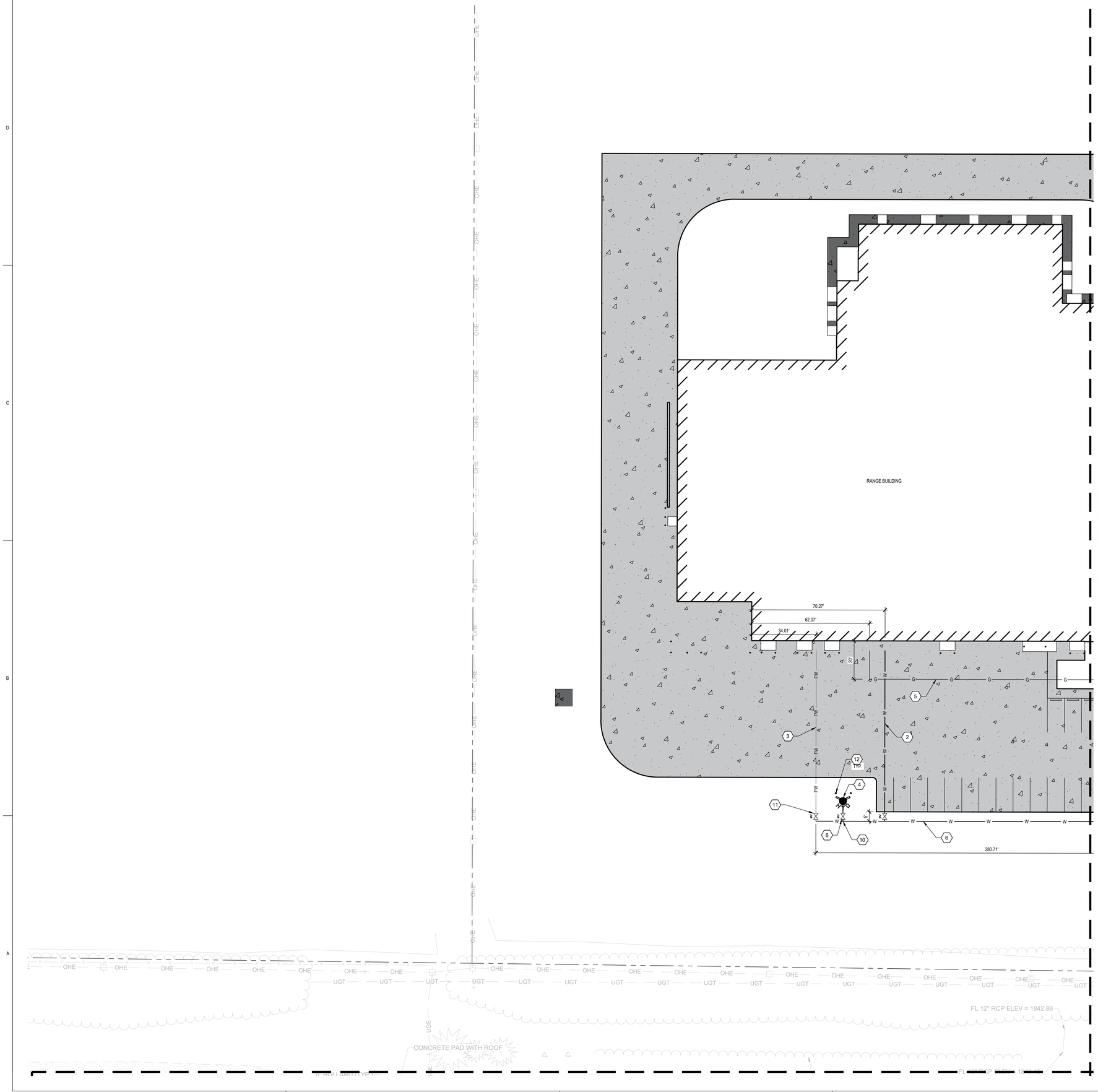
SEAL & SIGNATURE:



DRAWING TITLE:
GRADING & DRAINAGE PLAN - AREA H

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-201H



SITE UTILITY NOTES:

1. ALL SANITARY SEWER, FIRE WATER, AND DOMESTIC WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF GRAND ISLAND MUNICIPAL CODE, STANDARD PLANS AND SPECIFICATIONS, AND PLUMBING CODE.
2. NO WORK SHALL BE PERFORMED ON ADJACENT PROPERTIES UNTIL ALL NECESSARY PERMANENT AND/OR TEMPORARY EASEMENTS HAVE BEEN OBTAINED. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER(S).
3. ALL EXISTING UTILITIES BENEATH PROPOSED BUILDINGS SHALL BE REMOVED AND DISPOSED OF TO A MINIMUM OF 5-FEET BEYOND THE PROPOSED FACE OF BUILDING AND THE TRENCH BACKFILLED AND COMPACTED AS STRUCTURAL FILL (THE SOIL REMOVAL DEPTHS AND LATERAL EXTENTS SHALL BE FIELD EVALUATED/VERIFIED BY THE GEOTECHNICAL ENGINEER). ALL OTHER UTILITIES INDICATED BY THE DEMOLITION PLAN TO BE REMOVED/ABANDONED SHALL BE FULLY REMOVED (BACKFILLED AND COMPACTED AS STRUCTURAL FILL) OR ABANDONED IN PLACE AND FILLED WITH FLOWABLE FILL AND CAPPED AT BOTH ENDS.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BY-PASS PUMPING OF EXISTING UTILITIES AS NEEDED TO PROPERLY CONSTRUCT THE PROPOSED IMPROVEMENTS.
5. MINIMUM COVER OF 5' SHALL BE MAINTAINED FOR ALL WATER LINES.
6. ALL WATER FITTINGS (DOMESTIC/FIRE) SHALL BE CONSTRUCTED WITH RESTRAINED JOINT FITTINGS (MEGALUG OR APPROVED EQUAL) AND CONCRETE THRUST BLOCK. THRUST BLOCK SHALL MEET OR EXCEED CITY OF GRAND ISLAND STANDARDS. IN LOCATIONS WHERE THE CONCRETE THRUST BLOCK CANNOT BEAR AGAINST APPROVED SOILS, THE CONTRACTOR SHALL INSTALL THE REQUIRED LENGTH OF RESTRAINED JOINT PIPE (AND FITTINGS) TO PROVIDE THE NECESSARY THRUST RESTRAINT.
7. CONTRACTOR SHALL COORDINATE UTILITY BUILDING CONNECTIONS WITH MECHANICAL AND PLUMBING PLANS.
8. THE LOCATION OF EXISTING UTILITIES AND STRUCTURES SHOWN ARE APPROXIMATE OR MAY NOT BE LOCATED IN THESE PLANS. THE CONTRACTOR IS TO FIELD VERIFY THE LOCATIONS OF ALL ITEMS PRIOR TO CONSTRUCTION AND PROTECT ALL ITEMS NOT NOTED FOR REMOVAL THROUGHOUT CONSTRUCTION. CALL NEBRASKA ONE CALL CENTER AT 811 AND NOTIFY OWNER A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.
9. MAINTAINED REQUIRED UTILITY SEPARATION BETWEEN ALL UTILITIES AS SPECIFIED BY LOCAL AND STATE CODE.
10. ALL WATER SERVICE PIPES 2" AND SMALLER SHALL BE TYPE "K" SOFT COPPER PIPING PER GRAND ISLAND STANDARD SPECIFICATIONS AND CITY CODE.
11. ALL WATER LINES 4" AND LARGER SHALL BE DUCTILE IRON AND CONFORM TO THE AWWA STANDARD, AND SHALL BE DESIGNED FOR A WORKING PRESSURE OF 350 PSI PER GRAND ISLAND STANDARD SPECIFICATIONS.

KEYNOTES:

1. CONSTRUCT 6" SANITARY SEWER SERVICE (PVC ASTM 3034, SDR 26) @ 1.0% MIN (FIELD VERIFY INVERT ELEVATIONS).
   - 1.1. TIE INTO BUILDING SANITARY SEWER SERVICE WITH A 6"x4" REDUCER AT THE I.E. SHOWN. SEE DETAIL 4/ST-C-503. COORDINATE HORIZONTAL AND VERTICAL LOCATION WITH BUILDING PLANS/CONSTRUCTION.
   - 1.2. TAP EXISTING 10" PVC SANITARY SEWER USING A 10"x6" TAPPING SADDLE 6' UPSTREAM OF MANHOLE (PER CITY OF GRAND ISLAND STANDARDS). FIELD VERIFY INVERT ELEVATIONS PRIOR TO CONSTRUCTION.
2. CONSTRUCT 2" DOMESTIC WATER SERVICE.
   - 2.1. 1 - SERVICE TAP AND SADDLE WITH CORPORATION STOP, SEE DETAIL 2/ST-C-503.
   - 2.2. 1 - CURB STOP WITH BOX
   - 2.3. 1 - TIE INTO BUILDING DOMESTIC SERVICE, SEE DETAIL 4/ST-C-503. COORDINATE HORIZONTAL AND VERTICAL LOCATION WITH BUILDING PLANS/CONSTRUCTION.
3. CONSTRUCT 10" FIRE SERVICE.
   - 3.1. 1 - 90 DEGREE BEND WITH RESTRAINT
   - 3.2. 1 - 10" POST INDICATOR VALVE WITH RESTRAINT
   - 3.3. 1 - TIE INTO BUILDING FIRE SERVICE, SEE DETAIL 4/ST-C-503. COORDINATE HORIZONTAL AND VERTICAL LOCATION WITH BUILDING PLANS/CONSTRUCTION.
4. CONSTRUCT FIRE HYDRANT ASSEMBLY, SEE DETAIL 8/ST-C-503.
5. APPROXIMATE LOCATION OF PROPOSED GAS SERVICE. CONTRACTOR SHALL COORDINATE SIZE, LOCATION, DEPTH, AND OTHER CONSTRUCTION REQUIREMENTS WITH THE CITY OF GRAND ISLAND AND MECHANICAL/PLUMBING PLANS. CONTRACTOR SHALL COORDINATE INSTALLATION OF GAS MAIN TO THE METER WITH THE CITY OF GRAND ISLAND. FIELD VERIFY LOCATION OF EXISTING LINE PRIOR TO STARTING CONSTRUCTION.
6. CONSTRUCT 6" WATER SERVICE.
7. CONSTRUCT 90 DEGREE BEND.
8. CONSTRUCT 45 DEGREE BEND.
9. TAP EXISTING WATER LINE WITH 8"x8"x6" TAPPING SLEEVE AND VALVE.
10. CONSTRUCT 6" TEE.
11. CONSTRUCT 10" POST INDICATOR VALVE (P.I.V.), SEE DETAIL 7/ST-C-503.
12. CONSTRUCT BOLLARD, SEE DETAIL 3/ST-C-501.
13. SANITARY SEWER CLEANOUT, SEE DETAIL 9/ST-C-503.

0 20 40
SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

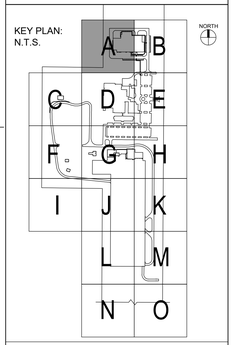
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
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P. 414-909-8586

ENGINEERS OF RECORD:

HDR

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KEY PLAN:
N.T.S.



RECORD REVISIONS

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1	ADDENDUM 2	09/25/2024

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3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

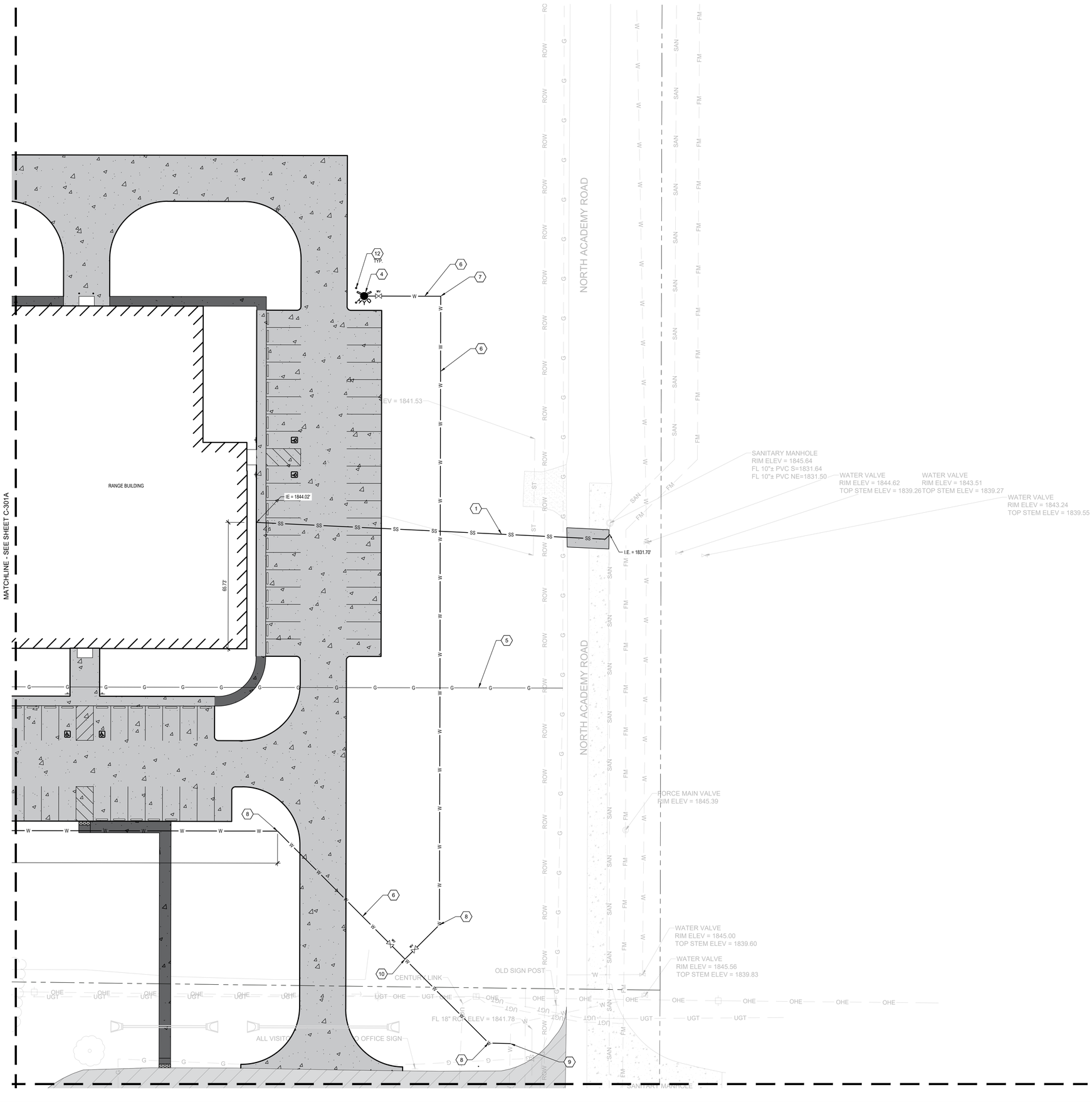
SEAL & SIGNATURE:



DRAWING TITLE:
UTILITY PLAN - AREA A

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-401A



SITE UTILITY NOTES:

1. ALL SANITARY SEWER, FIRE WATER, AND DOMESTIC WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF GRAND ISLAND MUNICIPAL CODE, STANDARD PLANS AND SPECIFICATIONS, AND PLUMBING CODE.
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   - 1.2. TAP EXISTING 10" PVC SANITARY SEWER USING A 10"x6" TAPPING SADDLE 6' UPSTREAM OF MANHOLE (PER CITY OF GRAND ISLAND STANDARDS). FIELD VERIFY INVERT ELEVATIONS PRIOR TO CONSTRUCTION.
2. CONSTRUCT 2" DOMESTIC WATER SERVICE.
   - 2.1. 1 - SERVICE TAP AND SADDLE WITH CORPORATION STOP, SEE DETAIL 2/ST-C-503.
   - 2.2. 1 - CURB STOP WITH BOX
   - 2.3. 1 - TIE INTO BUILDING DOMESTIC SERVICE, SEE DETAIL 4/ST-C-503. COORDINATE HORIZONTAL AND VERTICAL LOCATION WITH BUILDING PLANS/CONSTRUCTION.
3. CONSTRUCT 10" FIRE SERVICE.
   - 3.1. 1 - 90 DEGREE BEND WITH RESTRAINT
   - 3.2. 1 - 10" POST INDICATOR VALVE WITH RESTRAINT
   - 3.3. 1 - TIE INTO BUILDING FIRE SERVICE, SEE DETAIL 4/ST-C-503. COORDINATE HORIZONTAL AND VERTICAL LOCATION WITH BUILDING PLANS/CONSTRUCTION.
4. CONSTRUCT FIRE HYDRANT ASSEMBLY, SEE DETAIL 8/ST-C-503.
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6. CONSTRUCT 6" WATER SERVICE.
7. CONSTRUCT 90 DEGREE BEND.
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9. TAP EXISTING WATER LINE WITH 8"x8"x6" TAPPING SLEEVE AND VALVE.
10. CONSTRUCT 6" TEE.
11. CONSTRUCT 10" POST INDICATOR VALVE (P.I.V.), SEE DETAIL 7/ST-C-503.
12. CONSTRUCT BOLLARD, SEE DETAIL 3/ST-C-501.
13. SANITARY SEWER CLEANOUT, SEE DETAIL 9/ST-C-503.

0 20 40
SCALE IN FEET

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

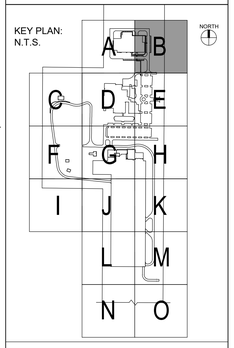
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



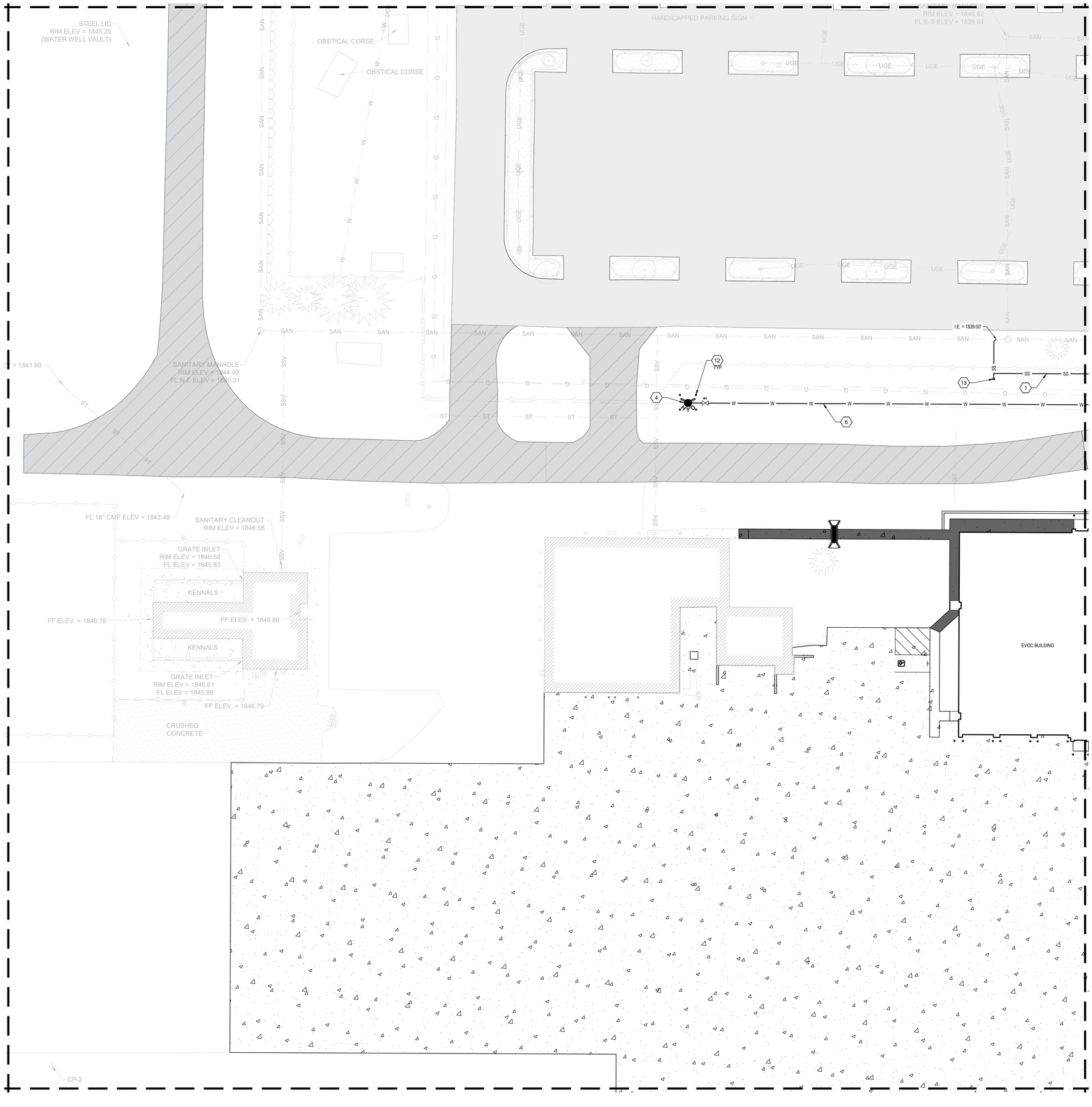
DRAWING TITLE:

UTILITY PLAN - AREA B

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:

ST-C-401B



SITE UTILITY NOTES:

1. ALL SANITARY SEWER, FIRE WATER, AND DOMESTIC WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF GRAND ISLAND MUNICIPAL CODE, STANDARD PLANS AND SPECIFICATIONS, AND PLUMBING CODE.
2. NO WORK SHALL BE PERFORMED ON ADJACENT PROPERTIES UNTIL ALL NECESSARY PERMANENT AND/OR TEMPORARY EASEMENTS HAVE BEEN OBTAINED. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER(S).
3. ALL EXISTING UTILITIES BENEATH PROPOSED BUILDINGS SHALL BE REMOVED AND DISPOSED OF TO A MINIMUM OF 5-FEET BEYOND THE PROPOSED FACE OF BUILDING AND THE TRENCH BACKFILLED AND COMPACTED AS STRUCTURAL FILL (THE SOIL REMOVAL DEPTHS AND LATERAL EXTENTS SHALL BE FIELD EVALUATED/VERIFIED BY THE GEOTECHNICAL ENGINEER). ALL OTHER UTILITIES INDICATED BY THE DEMOLITION PLAN TO BE REMOVED/ABANDONED SHALL BE FULLY REMOVED (BACKFILLED AND COMPACTED AS STRUCTURAL FILL) OR ABANDONED IN PLACE AND FILLED WITH FLOWABLE FILL AND CAPPED AT BOTH ENDS.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BY-PASS PUMPING OF EXISTING UTILITIES AS NEEDED TO PROPERLY CONSTRUCT THE PROPOSED IMPROVEMENTS.
5. MINIMUM COVER OF 5' SHALL BE MAINTAINED FOR ALL WATER LINES.
6. ALL WATER FITTINGS (DOMESTIC/FIRE) SHALL BE CONSTRUCTED WITH RESTRAINED JOINT FITTINGS (MEGALUG OR APPROVED EQUAL) AND CONCRETE THRUST BLOCK. THRUST BLOCK SHALL MEET OR EXCEED CITY OF GRAND ISLAND STANDARDS. IN LOCATIONS WHERE THE CONCRETE THRUST BLOCK CANNOT BEAR AGAINST APPROVED SOILS, THE CONTRACTOR SHALL INSTALL THE REQUIRED LENGTH OF RESTRAINED JOINT PIPE (AND FITTINGS) TO PROVIDE THE NECESSARY THRUST RESTRAINT.
7. CONTRACTOR SHALL COORDINATE UTILITY BUILDING CONNECTIONS WITH MECHANICAL AND PLUMBING PLANS.
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9. MAINTAINED REQUIRED UTILITY SEPARATION BETWEEN ALL UTILITIES AS SPECIFIED BY LOCAL AND STATE CODE.

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10. ALL WATER SERVICE PIPES 2" AND SMALLER SHALL BE TYPE "K" SOFT COPPER PIPING PER GRAND ISLAND STANDARD SPECIFICATIONS AND CITY CODE.
11. ALL WATER LINES 4" AND LARGER SHALL BE DUCTILE IRON AND CONFORM TO THE AWWA STANDARD, AND SHALL BE DESIGNED FOR A WORKING PRESSURE OF 350 PSI PER GRAND ISLAND STANDARD SPECIFICATIONS.

KEYNOTES: (X)

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SCALE IN FEET: 0 20 40

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North 1st St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

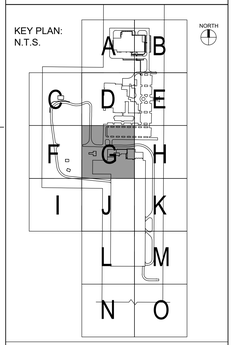
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

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HDR ARCHITECTURE, INC.
1917 South 67th St,
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P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
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ADDRESS:
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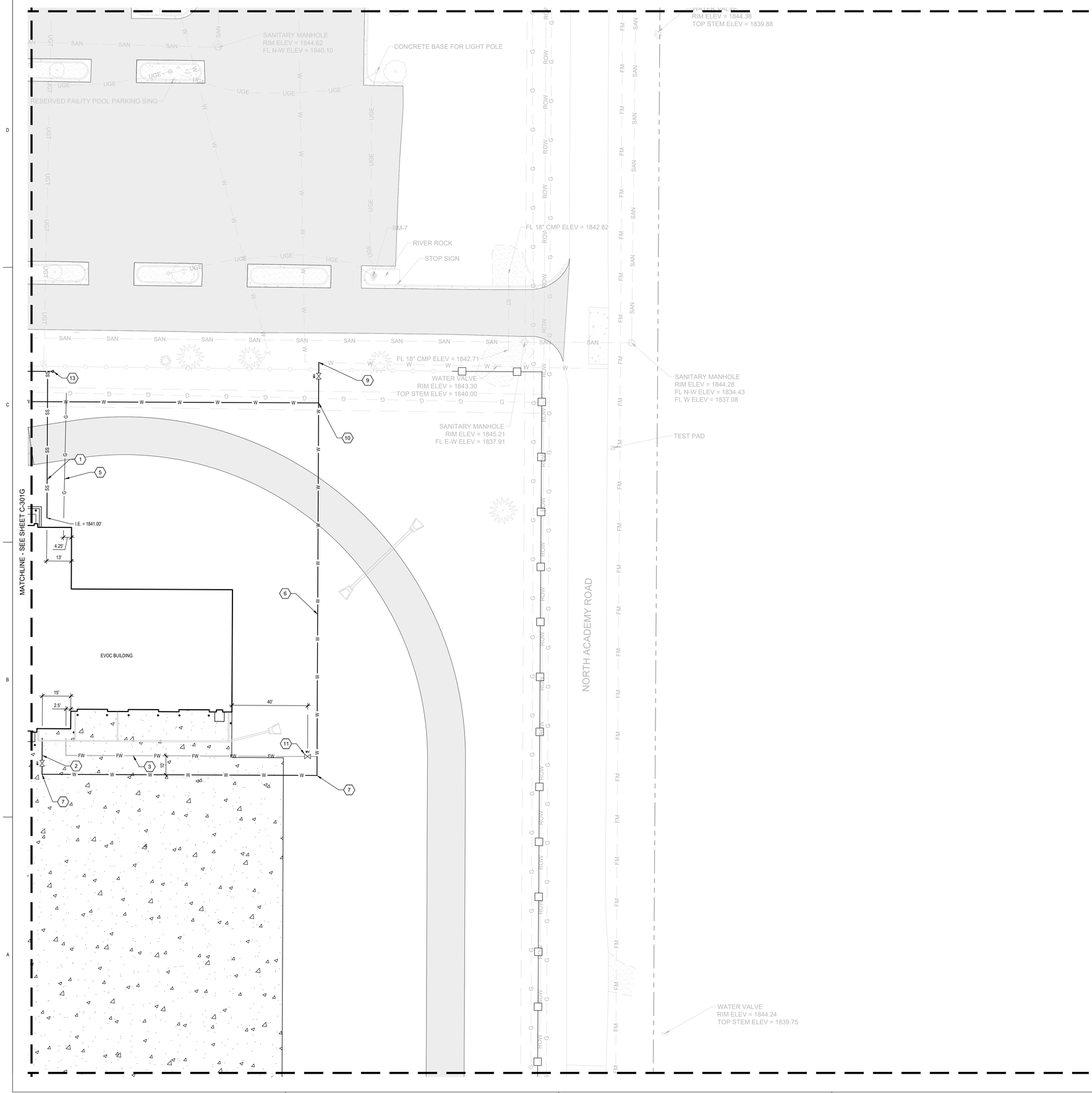
SEAL & SIGNATURE:

PROFESSIONAL CIVIL ENGINEER
09/25/2024
GARY A. NORTON
E-9686
STATE OF NEBRASKA

DRAWING TITLE:
UTILITY PLAN - AREA G

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-401G



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COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

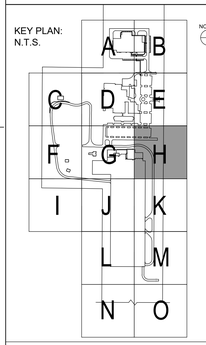
TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

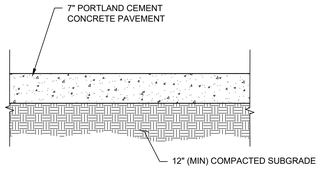
SEAL & SIGNATURE:



DRAWING TITLE:
UTILITY PLAN - AREA H

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-401H

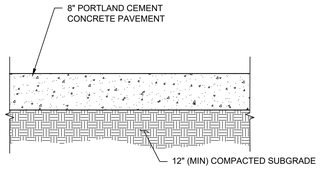


NOTES:

1. PREPARE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, A MINIMUM OF 12 INCHES OF SUBGRADE SHALL BE SCARIFIED AND RECOMPATED, FOLLOWED BY PROOFROLLING.
2. MEDIUM BROOM FINISH.

CONCRETE PAVEMENT (PARKING LOT)

DETAIL 1 TYP
SCALE: NTS

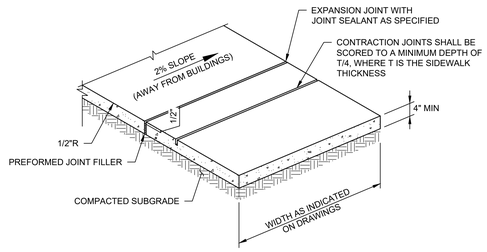


NOTES:

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2. MEDIUM BROOM FINISH.

CONCRETE PAVEMENT (SKILLS PAD)

DETAIL 2 TYP
SCALE: NTS

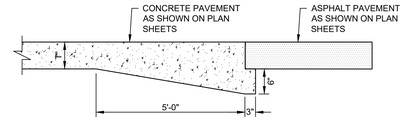


NOTES:

1. SEE DETAIL 5, THIS SHEET FOR JOINTS TYPES.
2. JOINT SPACING SHALL BE EQUAL TO THE WIDTH OF THE SIDEWALK.

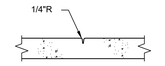
CONCRETE SIDEWALK

DETAIL 3 TYP
SCALE: NTS



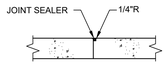
THICKENED EDGE JOINT

DETAIL 4 TYP
SCALE: NTS



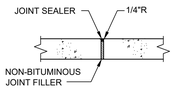
SPACING: 4'-0" WALK = 4'-0" C TO C
5'-0" WALK = 5'-0" C TO C
6'-0" WALK = 6'-0" C TO C

CONTRACTION JOINT



USE ONLY WHERE CONTRACTION JOINTS WOULD OCCUR

CONSTRUCTION JOINT

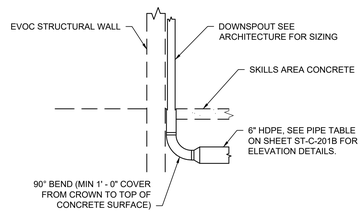


MAXIMUM SPACING 40'. USE AT ABUTTING BUILDINGS, CURBS, WALLS AND OTHER STRUCTURES; AND AS SHOWN.

EXPANSION JOINT

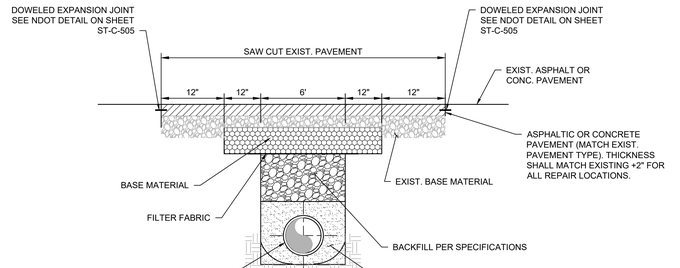
SIDEWALK JOINTS

DETAIL 5 TYP
SCALE: NTS



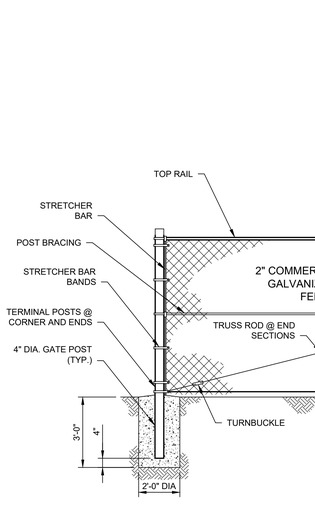
BELOW GRADE ROOF DRAIN CONNECTION

DETAIL 6 TYP
SCALE: NTS



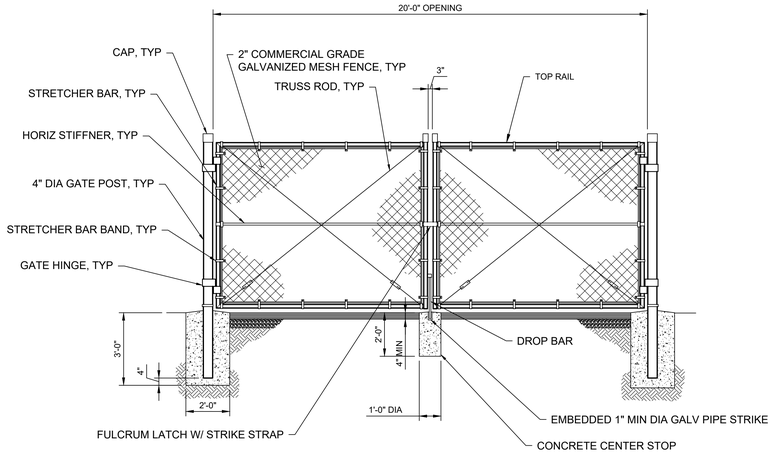
ASPHALT/CONCRETE ROAD TRENCH AND REPAIR

DETAIL 7 TYP
SCALE: NTS



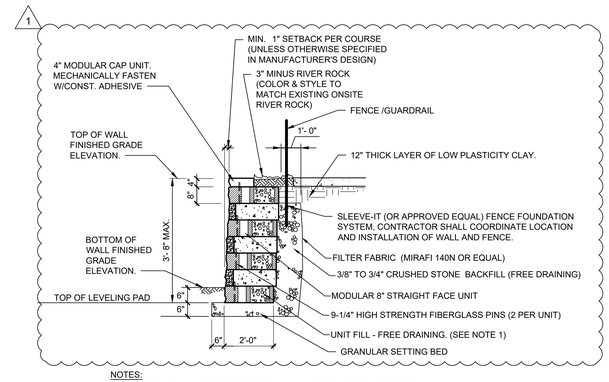
EXTERIOR CHAIN LINK FENCE

DETAIL 8 TYP
SCALE: NTS



DOUBLE SWING GATE EXTERIOR CHAIN LINK FENCE DETAIL

DETAIL 9 TYP
SCALE: NTS



NOTES:

1. UNIT FILL SHALL CONSIST OF CLEAN 1" MINUS CRUSHED STONE OR CRUSHED GRAVEL MEETING THE GRADATION LISTED BELOW.
2. REUSE SALVAGED BLOCK AND SUPPLEMENT AS NEEDED WITH MATCHING BLOCK.
3. THE SEGMENTAL BLOCK WALL DETAIL PROVIDED IS FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL PROVIDE ALL DESIGN CALCULATIONS AND/OR ADDITIONAL DETAILS AS NECESSARY TO CONSTRUCT THE SEGMENTAL WALL COMPLETE AND IN PLACE. CONTRACTOR SHALL PROVIDE SIGNED/SEALED WALL DESIGN AND CALCULATIONS FROM A LICENSED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEBRASKA.
4. COLOR SAMPLES SHALL BE SUBMITTED TO ARCHITECT/OWNER, AS PART OF SHOP DRAWING SUBMITTALS, FOR REVIEW AND SELECTION OF COLOR.

SIEVE SIZE	PERCENTAGE PASSING
1 INCH	100
3/4 INCH	75 - 100
NO. 4	0 - 10
NO. 50	0 - 5

MODULAR WALL DETAIL

DETAIL 10 TYP
SCALE: NTS

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

PROFESSIONAL CIVIL ENGINEER
09/25/2024
GARY A. NORTON
E-9686
STATE OF NEBRASKA

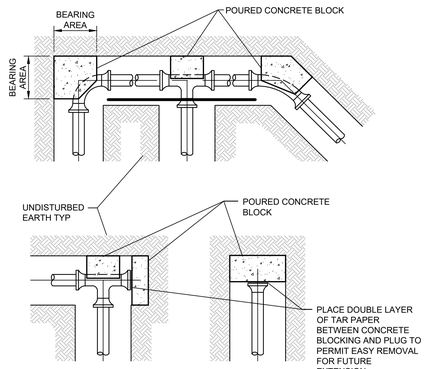
DRAWING TITLE:

SITE DETAILS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:

ST-C-502

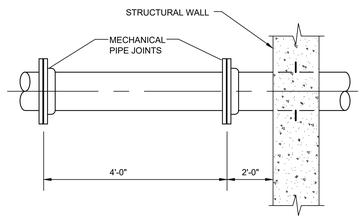


FITTING SIZES	BEARING AREA OF BLOCK IN SQUARE FEET				
	TEE & END	90° BEND	45° BEND	22.5° BEND	11.25° BEND
3"	1.4	2.0	1.1	0.6	0.3
4"	2.1	2.9	1.5	0.8	0.4
6"	4.2	5.9	3.2	1.6	0.8

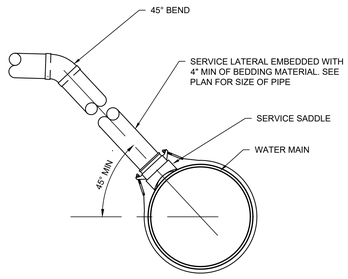
BEARING AREAS ARE BASED UPON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF AND A PIPE TEST PRESSURE OF 150 PSI. CONTRACTOR SHALL FIELD VERIFY SOIL BEARING PRESSURE AND SHALL INCREASE THRUST BLOCK SIZE AS NEEDED.

NOTES:
1. TO BE USED ON 3" OR LARGER PIPE AND HYDRANT ASSEMBLIES.
2. PLACE 4 MIL POLYETHYLENE BETWEEN CONCRETE AND FITTING.
3. CONSTRUCT BLOCK SUCH THAT CONCRETE DOES NOT INTERFERE WITH THE ADJACENT PIPE JOINT OR FITTING BOLTS.
4. THE HORIZONTAL DIMENSION OF THE BEARING AREA SHALL BE BETWEEN 0.8 AND 1.25 TIMES THE VERTICAL DIMENSION.
5. THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF THE FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.
6. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.

THRUST BLOCK
DETAIL 1 TYP
SCALE: NTS

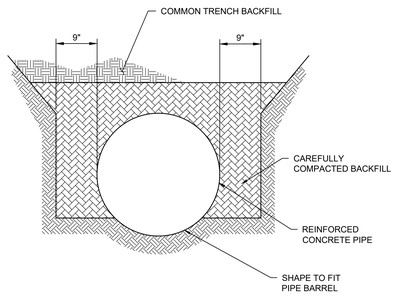


PIPE AT WALL CONECTION
DETAIL 4 TYP
SCALE: NTS

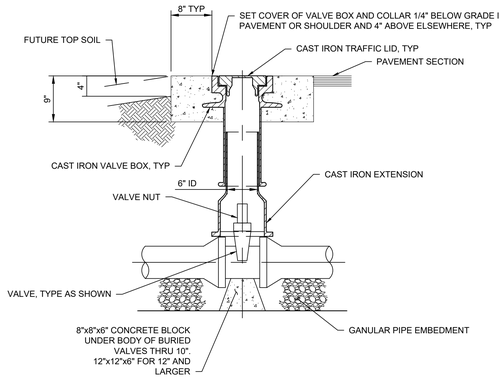


NOTE:
1. CONTRACTOR TO VERIFY EXISTING SERVICE ELEVATION AND COORDINATE CONSTRUCTION OF NEW SERVICE WITH OWNER.

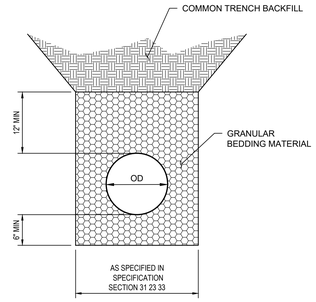
WATER SERVICE TAP
DETAIL 2 TYP
SCALE: NTS



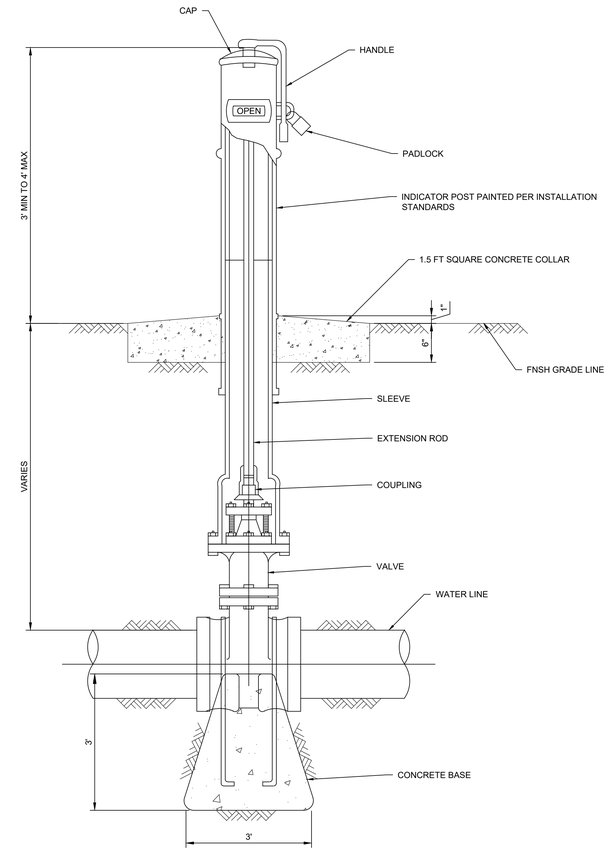
RCP BEDDING
DETAIL 5 TYP
SCALE: NTS



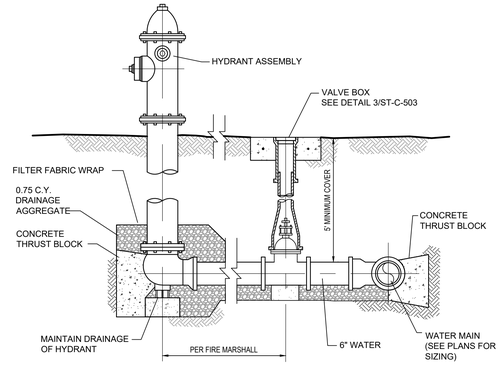
BURIED VALVE BOX
DETAIL 3 TYP
SCALE: NTS



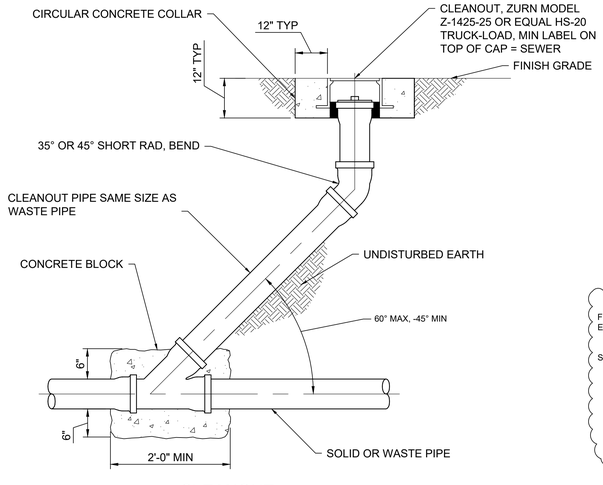
HDPE/PVC BEDDING
DETAIL 6 TYP
SCALE: NTS



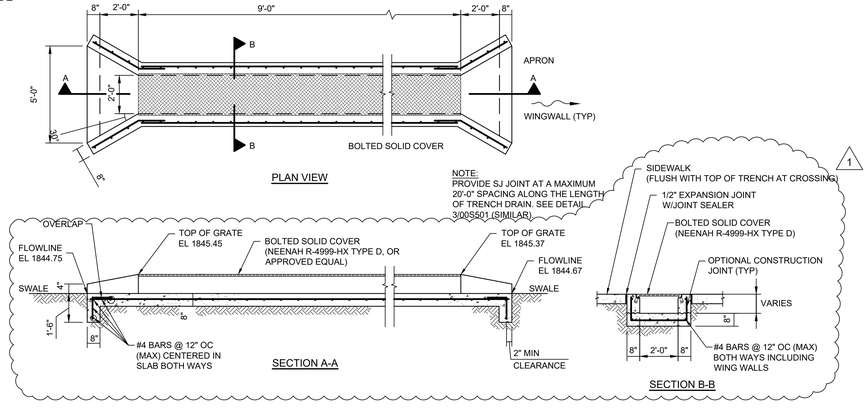
POST INDICATOR VALVE (PIV)
DETAIL 7 TYP
SCALE: NTS



FIRE HYDRANT
DETAIL 8 TYP
SCALE: NTS



CLEANOUT
DETAIL 9 TYP
SCALE: NTS



TRENCH DRAIN WITH WINGWALLS
DETAIL 10 TYP
SCALE: NTS

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

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DRAWING TITLE:
SITE DETAILS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CHECKED BY:

DRAWING NUMBER:
ST-C-503

APPLICABLE CODES AND STANDARDS

1) THE INTERNATIONAL BUILDING CODE, 2018 (IBC) AND THE STATE OF NEBRASKA.
2) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-14)
3) AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-16)
4) AMERICAN WELDING SOCIETY (AWS) D1.1, D1.3, D1.4
5) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16)
6) STEEL DECK INSTITUTE SPECIFICATIONS AND LOAD TABLES
7) ASTM MATERIAL STANDARDS AS NOTED
8) AISI SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS
9) STEEL JOIST INSTITUTE, STANDARD SPECIFICATIONS, LOAD TABLES, AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS
10) BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 602-16)

DESIGN LOADS

1) DEAD LOAD – THE ACTUAL WEIGHT OF MATERIALS IS USED WITH THE SUPERIMPOSED DEAD LOADS AS INDICATED ON LOADING PLANS.

2) LIVE LOAD

AREA OF BUILDING	DESIGN LIVE LOAD
LEVEL 1 TYPICAL FLOOR LIVE LOAD	100 PSF
MECHANICAL SPACES (LEVEL 1)	150 PSF
OFFICE SPACE*	80 PSF
STAIRS	100 PSF

*15 PSF PARTITION ALLOWANCE IS INCLUDED

3) SNOW LOAD

GROUND SNOW LOAD	=	25	PSF
FLAT ROOF SNOW LOAD	=	20	PSF
SNOW EXPOSURE FACTOR	=	1.0	
SNOW LOAD IMPORTANCE FACTOR	=	1.0	
THERMAL FACTOR	=	1.0	

4) WIND LOAD

BASIC WIND VELOCITY	=	111 MPH
EXPOSURE	=	C
INTERNAL PRESSURE COEFFICIENT	=	+/- 0.18
DESIGN WIND PRESSURES FOR COMPONENTS AND CLADDING	=	SEE TABLES PROVIDED

5) SEISMIC LOAD
IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

SEISMIC IMPORTANCE FACTOR I: 1.00
MAPPED SPECTRAL RESPONSE ACCELERATIONS S_S AND S_1: 0.088g, 0.041g
SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS S_{DS} AND S_{D1}: 0.093g, 0.065g
SEISMIC DESIGN CATEGORY: A
BASIC SEISMIC FORCE RESISTING SYSTEM(S): ORDINARY REINFORCED MASONRY SHEAR WALLS

DESIGN BASE SHEAR: 320 K
SEISMIC RESPONSE COEFFICIENTS C_S: 0.047
RESPONSE MODIFICATION FACTORS *R*: 2
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATION DESIGN

1) THE FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS INC, REPORT NUMBER A3235050 (DATED MAY 14, 2024).

2) ASSUMED ALLOWABLE SOIL BEARING CAPACITY = 2000 PSF

3) FROST DEPTH = 42"

MATERIALS OF CONSTRUCTION

1) NORMAL WEIGHT CONCRETE		28 DAY COMPRESSIVE STRENGTH
GENERAL STRUCTURAL CONCRETE		F'c = 4,500 PSI
SLAB ON GRADE AT RANGE (ROOMS 130 AND 148)		F'c = 5,000 PSI
2) REINFORCING STEEL – ASTM A615 - GRADE 60		Fy = 60 KSI
3) REINFORCING STEEL TO BE WELDED - ASTM A706 GRADE 60		Fy = 60 KSI
4) WELDED WIRE REINFORCEMENT – ASTM A185		Fy = 70 KSI
5) STRUCTURAL STEEL		
WIDE FLANGE AND TEE SHAPES - ASTM A992		Fy = 50 KSI
ANGLES CHANNELS AND PLATE - ASTM A 36		Fy = 36 KSI
HSS TUBES AND PIPES - ASTM A500		Fy = 46 KSI
PIPES - ASTM A53 GRADE B		Fy = 35 KSI
BOLTS - ASTM F1852		
ANCHOR BOLTS - ASTM F1554 GRADE 55 (WITH S1 SUPPLEMENT)		Fy = 55 KSI
HIGH STRENGTH ANCHOR BOLT ASSEMBLY		
ANCHOR BOLT - ASTM F1554 GRADE 105		Fy = 105 KSI
NUTS – GRADE ASTM A563 GRADE D		
WELDING ELECTRODES - E70XX		
METAL ROOF DECKING (GALVANIZED)		
ASTM A653 G90 (Z180) ZINC COATING		FY =50 KSI, STRUCT. QUALITY
COMPOSITE METAL FORM DECK (GALVANIZED)		
ASTM A653 G60(Z180) ZINC COATING		FY= 50 KSI, STRUCT. QUALITY
6) EXTERIOR WALL FRAMING STUDS - ASTM A570		
- 18 TO 25 GAGE		Fy = 33 KSI
- 12 TO 16 GAGE		Fy = 50 KSI
7) MASONRY		
CONCRETE MASONRY ASSEMBLIES		F'm = 2.0 KSI
CONCRETE MASONRY UNITS: ASTM C-90		F'm = 2.0 KSI
GROUT: ASTM C476.		F'c = 2.0 KSI
MORTAR: ASTM C270, TYPE S.,		F'c = 2.0 KSI
JOINT REINFORCEMENT: TRUSS TYPE		
8) NON-SHRINK GROUT AND NON-METALLIC GROUT		F'c = 4000 PSI AT 7 DAYS
AT BASE PLATES AND BEARING PLATES		F'c = 8000 PSI AT 28 DAYS

CONSTRUCTION NOTES

A. GENERAL CONSTRUCTION NOTES

1. STRUCTURAL DRAWINGS SHOULD NOT BE SCALED. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE SCALE OVER SMALL.

2. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELF WITH EXISTING CONDITIONS. CHECK AND VERIFY EXISTING DIMENSIONS AND TAKE ADDITIONAL MEASUREMENTS AS NEEDED. NOTIFY ARCHITECT OF ANY DISCREPANCY BETWEEN ACTUAL CONDITIONS AND INDICATED CONDITIONS. MODIFICATION OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.

3. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATION AND SIZE OF OPENINGS, BLOCKOUTS, FLOOR DEPRESSIONS, CURBS, DIMENSIONS, ETC. NOT INDICATED ON THE STRUCTURAL DRAWINGS. THE LOCATION AND SIZE OF MECHANICAL AND ELECTRICAL OPENINGS IN SLABS, WALLS AND DECKS SHALL BE COORDINATED BY THE CONTRACTOR. PROVIDE ALL ADDITIONAL FRAMING OR REINFORCING TO ACCOMMODATE OPENINGS AS REQUIRED BY THE APPLICABLE STANDARD DETAILS SHOWN ON THE STRUCTURAL DRAWINGS OR PROVIDED BY THE STRUCTURAL ENGINEER. NO HOLES, NOTCHES, BLOCKOUTS, ETC. ARE ALLOWED IN STRUCTURAL MEMBERS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.

4. WHERE DIMENSIONS ARE PROVIDED FOR OPENINGS, BLOCKOUTS, FLOOR DEPRESSIONS, CURBS, ETC., BUT MAY BE AFFECTED BY THE EQUIPMENT PURCHASED, THE CONTRACTOR SHALL VERIFY THE INFORMATION PROVIDED PRIOR TO CONSTRUCTION.

5. PROVIDE CONCRETE EQUIPMENT PADS AND INERTIAL BASES FOR MECHANICAL AND ELECTRICAL INSTALLATIONS. CONSTRUCT PADS AND BASES IN ACCORDANCE WITH THE TYPICAL DETAILS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LIMITS AND LOCATIONS.

6. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED BY NEW WORK.

7. ALL COLUMNS AND FOUNDATIONS, UNLESS NOTED OTHERWISE, SHALL BE CENTERED ON GRIDLINES IN EACH DIRECTION. BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMN CENTERLINES UNLESS NOTED OTHERWISE.

8. TYPICAL DETAILS SHALL APPLY IN GENERAL CONSTRUCTION UNLESS SPECIFICALLY DETAILED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS, SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION.

A. DO NOT PLACE CONSTRUCTION MATERIALS OR OTHER CONSTRUCTION LOADS ON THE STRUCTURE SUCH THAT THE LOADS PLACED EXCEED THE CAPACITY OF THE STRUCTURE.

B. TAKE INTO CONSIDERATION THAT FULL STRUCTURAL CAPACITY OF MANY STRUCTURAL MEMBERS IS NOT REALIZED UNTIL STRUCTURAL ASSEMBLY IS COMPLETE; THAT IS, UNTIL SLABS, DECKS, DIAGONAL BRACING AND SHEAR WALLS ARE INSTALLED.

C. PROVIDE TEMPORARY BRACING AND GUYING TO PROVIDE STABILITY AND RESIST ALL LOADS TO WHICH THE PARTIALLY COMPLETED STRUCTURE MAY BE SUBJECTED INCLUDING ERECTION EQUIPMENT AND ITS OPERATION. ADEQUACY OF TEMPORARY BRACING AND GUYING FOR THIS PURPOSE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

D. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL FRAMED SLAB AND SLAB ON GRADE LOCATED TOP AND BOTTOM OF BASEMENT WALL HAVE BEEN PLACED AND HAVE REACHED THEIR 28-DAY DESIGN STRENGTH.

B. EARTHWORK AND FOUNDATIONS

1. ALL EARTHWORK AND SITE PREPARATION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED AND APPROVED BY THE GEOTECH.

2. ANY EXISTING FILLS OR UNSUITABLE SOILS AS DETERMINED BY THE GEOTECH SHALL BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL.

3. EXTREME CARE SHALL BE EXERCISED WHEN EXCAVATING OR GRADING ADJACENT TO EXISTING STRUCTURES OR IMPROVEMENTS SO AS NOT TO DAMAGE OR UNDERMINE FOUNDATIONS, WALLS, SLABS, UTILITIES, ETC.

4. DO NOT EXCAVATE BELOW THE BEARING ELEVATION OF ANY COMPLETED FOOTING NOR ANY CLOSER TO THE FOOTING THAN A SLOPE OF TWO HORIZONTAL (MEASURED FROM EDGE OF FOOTING TO NEAREST POINT IN EXCAVATION) TO ONE VERTICAL.

5. HORIZONTAL CONSTRUCTION JOINTS IN COLUMN FOOTINGS, PILE CAPS, SLABS ON GRADE AND MAT FOUNDATIONS ARE NOT PERMITTED.

6. PROVIDE DOWELS FOR ALL WALLS, COLUMNS, AND SHEAR WALLS EMBEDDED INTO FOOTINGS, MAT FOUNDATIONS AND GRADE BEAMS. DOWELS SHALL BE THE SAME SIZE AND SPACING AS VERTICAL WALL REINFORCEMENT.

7. BOTTOM OF ALL FOOTINGS AND PILE CAPS SUBJECT TO FROST SHALL BE PLACED AT OR BELOW FROST DEPTH.

C. CONCRETE AND REINFORCING

1. LOCATION OF CONSTRUCTION JOINTS OR POUR JOINTS SHALL BE AS INDICATED ON APPROVED SHOP DRAWINGS.

2. ALL CONCRETE SHALL BE VIBRATED DURING PLACEMENT.

3. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS.

4. NO STAKES, STEEL OR WOOD, SHALL BE PERMITTED IN ANY CONCRETE POUR. SUSPEND FORMS FROM ABOVE GRADE.

5. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, INSERTS, ETC., SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE. CONCRETE BLOCKS ONLY SHALL BE USED TO SUPPORT REINFORCING OFF GRADE.

6. SOFT METRIC EQUIVALENT BAR SIZES ARE DEFINED AS FOLLOWS:

INCH POUND – EQUIVALENT SOFT METRIC	
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36
#14	#53
#18	#57

7. ALL REINFORCEMENT SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315.

8. PROVIDE MINIMUM CONCRETE COVERING FOR REINFORCEMENT AS FOLLOWS:

CONDITION	CLEAR COVER
CONCRETE DEPOSITED AGAINST EARTH:	3 IN.
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:	
REINFORCING BARS NO.6 OR LARGER	2 IN.
REINFORCING BARS LESS THAN NO.6.	1-1/2 IN.
BUILDING INTERIOR SURFACES:	
BEAMS, GIRDERS, AND COLUMNS	1-1/2 IN.
SLABS, WALLS AND JOISTS:	
NO.11 BARS OR SMALLER	3/4 IN.
NO.14 AND NO.18 BARS	1 1/2 IN.

9. PROVIDE DOWELS OF SAME SIZE AND NUMBER FROM ADJACENT POUR, BOTH VERTICALLY AND HORIZONTALLY, TO MATCH TYPICAL REINFORCING SHOWN. LAPS TO BE IN ACCORDANCE WITH THE DEVELOPMENT LENGTH AND LAP SPLICE SCHEDULE. DOWELS SHALL BE CLEANED AFTER POUR.

10. FIELD WELDING OR BENDING OF REINFORCING IS NOT PERMITTED EXCEPT AS INDICATED ON THE DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER. USE LOW HYDROGEN ELECTRODES GRADE E70 OR E90 AS REQUIRED.

11. APPROVED ELECTRICAL CONDUIT MATERIAL CAST WITHIN STRUCTURAL CONCRETE MEMBERS SHALL CONFORM TO THE FOLLOWING:

A. CONDUIT IN CONCRETE COLUMNS AND SHEAR WALLS:
INSTALL NO HORIZONTAL CONDUIT AND NO VERTICAL CONDUIT LARGER THAN 3/4" (19 MM). DO NOT INSTALL MULTIPLE CONDUITS IN A SINGLE CONCRETE COLUMN NOR SPACE VERTICAL CONDUITS CLOSER THAN 4'-0" ON CENTER IN SHEAR WALLS WITHOUT THE STRUCTURAL ENGINEERS APPROVAL.

B. CONDUIT IN SLAB ON GRADE:
DIAMETER OF A SINGLE CONDUIT OR TWO OR MORE VERTICALLY STACKED CONDUITS (INCLUDING CROSSOVERS) SHALL NOT EXCEED 1/3 THE THICKNESS OF THE SLAB. THE OUTSIDE DIMENSION OF TWO OR MORE ADJACENT CONDUITS SHALL NOT EXCEED TWICE THE THICKNESS OF THE SLAB AND THE SEPARATION BETWEEN GROUPS OF CONDUITS SHALL NOT BE LESS THAN THE THICKNESS OF THE SLAB.

C. CONDUIT IN ELEVATED SLABS:
DO NOT INSTALL CONDUIT IN CONCRETE SLABS ON METAL DECK.

THE DIAMETER OF A SINGLE CONDUIT OR HEIGHT OF TWO OR MORE VERTICALLY STACKED CONDUITS (INCLUDING CROSSOVERS) SHALL NOT EXCEED 1/6 THE THICKNESS OF THE SLAB. THE OUTSIDE DIMENSION OF TWO OR MORE ADJACENT CONDUITS SHALL NOT EXCEED THE DEPTH OF THE SLAB AND THE HORIZONTAL SEPARATION BETWEEN GROUPS OF CONDUITS SHALL NOT BE LESS THAN THE THICKNESS OF THE SLAB.

D. DO NOT INSTALL CONDUIT IN PARKING GARAGE SLABS.

12. CONTINUOUS REINFORCEMENT IN WALLS AND FOOTINGS MAY BE SPLICED AS REQUIRED, PROVIDED THAT BARS ARE OF THE LONGEST PRACTICAL LENGTH AND ALL SPLICES ARE SHOWN ON THE REINFORCING BAR SHOP DRAWINGS. SPLICES ARE TO BE STAGGERED WHEN POSSIBLE. PROVIDE LAP SPLICES AND DEVELOPMENT LENGTHS IN ACCORDANCE WITH THE DEVELOPMENT LENGTH AND LAP SPLICE SCHEDULE. USE CLASS B LAP SPLICES UNLESS NOTED OTHERWISE.

13. CORING OF SLABS, BEAMS, COLUMNS, OR SHEAR WALLS IS NOT PERMITTED. PROVIDE SLEEVES FOR ALL PENETRATIONS PRIOR TO PLACING CONCRETE.

14. SPECIFIC CRITERIA FOR SLAB ON GRADE AT RANGE (ROOMS 130 AND 148):

A. CONCRETE FLOORS MUST BE FLAT AND LEVEL WITH A FLOOR FLATNESS OF FF >45 AND FLOOR LEVELNESS OF FL >35. MIN LOCAL FF 35, MIN LOCAL FL: 27. ALL FLOORS SHALL HAVE A SMOOTH FINISH WITHOUT ANY PROTRUSIONS OR IRREGULARITIES.

B. NO CONTROL JOINT OR CONSTRUCTION JOINT SHALL INDENT OR PROTRUDE MORE THAN 0.0625" FROM THE ADJACENT FINISHED SURFACE. IF LIMIT IS EXCEEDED, JOINTS SHALL BE GROUND, LEVELED, AND FIXED TO MEET THIS SPECIFICATION AND THE FLOOR FLATNESS AND LEVELNESS REQUIREMENTS. PROVIDE BACKER MATERIAL WHEN NECESSARY TO SUPPORT SEALANT.

C. MAXIMUM SAWED CONTROL JOINT WIDTH: 0.25 IN (6.3 MM)

D. CHAMFERED CONSTRUCTION JOINTS ARE NOT PERMITTED.

E. PROVIDE TRIAL PANEL FOR REVIEW PER SPECIFICATION REQUIREMENTS.

E. PRECAST CONCRETE

1. ALL HOLLOWCORE PANELS, CONNECTIONS, INSERTS, AND OTHER NECESSARY CONNECTING ITEMS SHALL BE DESIGNED, DETAILED AND PROVIDED BY THE PRECAST MANUFACTURER.

2. THE PRECAST HOLLOWCORE DELEGATED DESIGNER SHALL PROVIDE SIGNED AND SEALED CALCULATIONS PREPARED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.

F. EXPANSION ANCHORS

1. EXPANSION ANCHORS SHALL BE A SINGLE-END EXPANSION SHIELD ANCHOR WHICH COMPLIES WITH THE DESCRIPTIVE PART OF FEDERAL SPECIFICATION A-A 1923A, TYPE 4, FOR WEDGE ANCHORS. WEDGE ANCHORS SHALL BE HILTI KWIK BOLT TZ. ANCHORS SHALL BE BY HILTI FASTENING SYSTEMS OF TULSA, OK. (ICC ES REPORTS ESR-1917) OR EQUAL.

2. ANCHORS SHALL BE ZINC PLATED UNLESS SPECIFICALLY NOTED AS STAINLESS STEEL ON THE PLAN DETAILS.

3. WHEN DETAILS OF SECTIONS INDICATE EXPANSION ANCHORS BUT NO SIZE, PROVIDE ANCHORS WITH 3/4" (20mm) DIAMETER.

4. PROVIDE THE FOLLOWING EMBEDMENT DEPTHS UNLESS NOTED OTHERWISE:

ANCHOR DIAMETER	EMBEDMENT DEPTH
3/8" (10)	2 1/2" (65)
1/2" (12)	3 1/2" (90)
5/8" (16)	4" (100)
3/4" (19)	4 3/4" (120)

5. WHEN INSTALLING DRILLED-IN-ANCHORS, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO CONCRETE WITH STRESSING TENDONS (POST-TENSIONED OR PRE-TENSIONED), LOCATE THE TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION AND MAINTAIN AT LEAST 1" CLEAR BETWEEN THE TENDON AND THE ANCHOR. CUTTING A TENDON CAN CAUSE COLLAPSE.

G. ADHESIVE ANCHORS AND DOWEL BARS

1. REINFORCING BAR DOWELS, REINFORCING BARS, THREADED RODS, BOLTS ETC. WHICH ARE INDICATED AS ADHESIVE ANCHORS OR ADHESIVE DOWELS IN CONCRETE OR SOLID MASONRY SHALL BE ACCOMPLISHED USING HIT HY-150 MAX SD SYSTEM BY HILTI FASTENING SYSTEMS OF TULSA, OK. (ICC REPORT NO. ESR 3013), OR EQUAL.

2. DRILL, BRUSH, AND CLEAN ALL HOLES, AND INSTALL ALL ANCHORS IN COMPLETE ACCORDANCE WITH MANUFACTURERS PUBLISHED RECOMMENDATIONS, AS WELL AS ALL APPLICABLE BUILDING CODES OR ENGINEERING REPORTS.

3. PROVIDE THE FOLLOWING MINIMUM ANCHOR EMBEDMENT DEPTHS UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DETAILS:

A. REINFORCING BARS

BAR SIZE	EMBEDMENT DEPTH
#3 (#10)	4" (100)
#4 (#13)	6" (150)
#5 (#16)	7" (175)
#6 (#19)	9" (225)
#7 (#22)	10" (250)
#8 (#25)	12" (300)
#9 (#29)	13" (325)
#10 (#32)	16" (400)
#11 (#36)	18" (450)

B. BOLTS OR THREADED RODS

DIAMETER	EMBEDMENT DEPTH
3/8"(10)	5" (125)
1/2"(13)	7" (175)
5/8"(16)	8" (200)
3/4"(19)	10" (250)
7/8"(22)	12" (300)
1" (25)	13" (330)

C. HILTI HIS INSERTS

DIAMETER	EMBEDMENT DEPTH
3/8" (10)	4 1/4" (110)
1/2" (13)	5" (125)
5/8" (16)	6 5/8" (170)
3/4" (19)	8 1/4" (210)

4. WHEN INSTALLING DRILLED-IN-ANCHORS, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO CONCRETE WITH STRESS IN TENDONS (POST-TENSIONED OR PRE-TENSIONED), LOCATE THE TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION AND MAINTAIN AT LEAST 1" CLEAR BETWEEN THE TENDON AND THE ANCHOR, CUTTING A TENDON CAN CAUSE COLLAPSE.

H. HEADED STUDS AND DEFORMED BAR ANCHORS

1. HEADED STUDS AND DEFORMED BAR ANCHORS SHALL BE ELECTRIC-ARC STUD WELDED PER MANUFACTURERS RECOMMENDATIONS AND THE AWS CODE. FILLET WELDING SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. WELDMENT SHALL BE IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE END OF THE STUD AND THE PLATE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. THE STUD WILL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8" DIAMETER STUDS AND SMALLER, 3/16" FOR LARGER THEN 5/8" DIAMETER.

2. HEADED STUDS SHALL BE TYPE B PER THE AWS CODE WITH A MINIMUM YIELD STRENGTH OF 51 KSI (345 Mpa). NELSON GRANULAR FLUX FILLED (OR APPROVED EQUAL). STUDS SHALL BE MANUFACTURED OF COLD DRAWN BAR STOCK CONFORMING TO ASTM A-108.

3. DEFORMED BAR ANCHORS SHALL COMPLY WITH ASTM A-496 WITH A MINIMUM YIELD STRENGTH OF 70 KSI (485 Mpa).

4. UNLESS NOTED OTHERWISE, DEFORMED BAR ANCHOR LENGTH SHALL BE AS FOLLOWS:

BAR DIAMETER	EMBEDMENT LENGTH
3/8"(10)	24" (600)
1/2"(13)	24" (600)
5/8"(16)	30" (750)

I. STRUCTURAL STEEL

1. STEEL FRAMING DESIGNATIONS AND SYMBOLS ARE DEFINED IN THE STRUCTURAL STEEL SYMBOL LEGEND.

2. ALL FIELD BOLTED SHEAR CONNECTIONS SHALL BE MADE WITH MINIMUM 3/4"(20) DIAMETER F1852 BOLTS, UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE FULLY PRETENSIONED AND INSPECTED USING TENSION CONTROL TWIST-OFF STYLE BOLTS. UNLESS SPECIFICALLY INDICATED AS SLIP CRITICAL OR PRETENSIONED, ALL JOINTS SHALL BE DESIGNATED AS SNUG TIGHT. ROUTINE OBSERVATION TO VERIFY THE SPLINED ENDS ARE PROPERLY SEVERED DURING INSTALLATION IS REQUIRED FOR ALL BOLTS.

3. PLACE NON-SHRINK GROUT UNDER ALL COLUMN BASE PLATES BEFORE PLACING ANY ELEVATED SLABS.

4. WHERE THE WORK OF OTHER TRADES REQUIRES CUTS OR OPENINGS TO BE MADE IN STRUCTURAL STEEL MEMBERS, APPROVAL SHALL BE OBTAINED FROM THE ENGINEER. SUCH OPENINGS SHALL BE MADE IN THE SHOP AND CLEARLY INDICATED ON THE SHOP DRAWING.

5. THE FOLLOWING PLATE THICKNESSES, WELD SIZES, AND ROD AND BOLT DIAMETERS SHALL BE CONSIDERED EQUIVALENT, UNLESS NOTED OTHERWISE:

THICKNESS OR DIAMETER

mm	INCHES	mm	INCHES
5	3/16	13	1/2
6 OR 6.5	1/4	16	5/8
8	5/16	19 OR 20	3/4
9.5 OR 10	3/8	22	7/8

6. E70XX ELECTRODES SHALL BE USED FOR ALL WELDING. PROPERLY QUALIFIED WELDERS SHALL PERFORM ALL WELDING, AS PRESCRIBED UNDER "STANDARD QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY.

7. WELD LENGTHS CALLED FOR ON THE PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED BY AISC OR 3/16", WHICH EVER IS GREATER.

8. ALL GROOVE WELDS INDICATED ON PLANS AND SECTIONS SHALL BE COMPLETE JOINT PENETRATION WELDS (CJP) UNLESS SPECIFICALLY INDICATED TO BE PARTIAL PENETRATION WELDS.

9. CANTILEVER BEAM SIZE MATCHES MAIN SPAN BEAM SIZE UNLESS NOTED OTHERWISE.

10. COMPOSITE BEAMS ARE DESIGNED FOR UNSHORED CONSTRUCTION. BEAMS SHALL BE FABRICATED WITH THE CAMBER INDICATED ON THE PLANS. BEAMS WITHOUT SPECIFIED CAMBER SHALL BE ERECTED WITH THE STANDARD MILL TOLERANCE CAMBER UP.

1 11. FABREEKA-TIM IS INDICATED AS BASIS OF DESIGN FOR THERMAL BLOCKS. ALTERNATE MANUFACTURER OPTIONS ARE PERMITTED AND SHALL BE PROVIDED TO SEOR FOR REVIEW OF STRUCTURAL MATERIALS, INCLUDING: ARMATHERM FRR.

J. STEEL JOISTS AND JOIST GIRDERS

1. STEEL JOISTS SHOWN ON THE DRAWINGS HAVE BEEN SELECTED FROM THE STEEL JOIST INSTITUTES "STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS," LATEST EDITION. THE DESIGN, FABRICATION, AND ERECTION OF JOISTS SHALL COMPLY WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATION.

A. JOIST MANUFACTURER SHALL PROVIDE SIGNED AND SEALED CALCULATIONS PREPARED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED FOR ALL JOISTS AND JOIST GIRDERS SUBJECT TO SPECIAL LOADS INDICATED IN THE DOCUMENTS.

B. JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND PROVIDE APPROPRIATE BRIDGING FOR UPLIFT LOADS PER COMPONENTS AND CLADDING ULTIMATE WIND LOADS. SEE FR-S-003 THROUGH FR-S-005 FOR ADDITIONAL LOADING INFORMATION.

C. DEFLECTION CRITERIA FOR ALL NON-STANDARD JOISTS AND JOIST GIRDERS SHALL BE SPAN/240 FOR TOTAL LOAD AND SPAN/360 FOR LIVE LOAD OR SNOW LOAD.

D. WHERE JOISTS ARE SLOPED, SELECTED SIZES HAVE BEEN MADE ACCOUNTING FOR INCREASE DEAD LOAD DUE TO SLOPE.

E. K-SERIES, KCS JOISTS AND LH-SERIES OR DLH-SERIES JOISTS SHALL BE AS DEFINED BY THE SJI STANDARD SPECIFICATION, LATEST EDITION.

2. WHERE END SUPPORTS FOR K-SERIES JOISTS ARE NOT SHOWN OR NOTED, THE FOLLOWING MINIMUM BEARING LENGTHS PARALLEL TO THE LENGTH OF THE JOIST SHALL BE PROVIDED PER THE SJI STANDARD SPECIFICATION:

A. MIN. BEARING ON STEEL = 2 1/2"

B. MIN. BEARING ON CONCRETE (WITH BEARING PLATE) = 4"

3. WHERE END ANCHORAGE FOR K-SERIES JOISTS ARE NOT SHOWN OR NOTED THE FOLLOWING MINIMUM ANCHORAGES SHALL BE PROVIDED:

A. STEEL SUPPORTS - TWO 3/16" FILLETS X 2" LONG OR EQUIVALENT WELD OR TWO 1/2" DIA., MACHINE BOLTS.

B. MIN. BEARING ON CONCRETE OR MASONRY SUPPORTS - TWO 3/8" DIA X 6" LONG HEADED STUDS WELDED TO STEEL BEARING PLATE AND FULLY EMBEDDED IN CONCRETE OR SOLID MASONRY UNIT. ANCHORAGE OF JOIST TO BEARING PLATE SHALL BE AS PROVIDED FOR STEEL SUPPORTS.

4. HORIZONTAL BRIDGING FOR K-SERIES JOISTS SHALL BE LOCATED IN ACCORDANCE WITH SJI SPECIFICATIONS. BRIDGING MEMBERS SHALL CONSIST OF TWO CONTINUOUS MEMBERS, ONE ATTACHED TO THE BOTTOM CHORD AND ONE ATTACHED TO THE TOP CHORD. ATTACHMENT SHALL BE BY WELDING OR OTHER MECHANICAL MEANS. THE BRIDGING AND ITS CONNECTIONS SHALL BE CAPABLE OF TRANSFERRING A HORIZONTAL A HORIZONTAL FORCE OF NOT LESS THAN 700 LBS.

5. DIAGONAL BRIDGING FOR K-SERIES JOISTS SHALL BE LOCATED IN ACCORDANCE WITH SJI SPECIFICATIONS. THE CONNECTION OF BRIDGING BETWEEN A MASONRY WALL AND AN ADJACENT PARALLEL JOIST SHALL BE HORIZONTAL AND THE CONNECTIONS SHALL BE DETAILED TO ALLOW THE JOIST TO DEFLECT 1/360 OF ITS SPAN UNDER LIVE LOAD.

6. WHERE END SUPPORTS FOR LONG SPAN JOISTS AND JOIST GIRDERS ARE NOT SHOWN OR NOTED, THE FOLLOWING MINIMUM BEARING LENGTHS PARALLEL TO THE LENGTH OF THE JOIST SHALL BE PROVIDED PER THE SJI SPECIFICATIONS:

A. BEARING ON STEEL = 4"

B. BEARING ON CONCRETE OR MASONRY (WITH BEARING PLATE) = 6"

7. WHERE END ANCHORAGES FOR LONG SPAN JOISTS ARE NOT SHOWN OR NOTED, THE FOLLOWING MINIMUM ANCHORAGE SHALL BE PROVIDED:

A. STEEL SUPPORTS - TWO 1/4" FILLET WELDS 3" LONG OR EQUIVALENT WELDS OR TWO 3/4"Ø MACHINE BOLTS WITH LATERAL ADJUSTMENT (TEMPORARY).

B. CONCRETE OR MASONRY SUPPORTS - TWO 3/4" X 1'-3" RODS WELDED TO STEEL BEARING PLATE AND FULLY EMBEDDED IN CONCRETE OR SOLID MASONRY UNIT. (ANCHORAGE OF JOIST TO BEARING PLATE SHALL BE AS PROVIDED FOR STEEL SUPPORTS.)

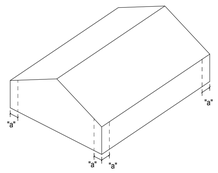
8. BRIDGING FOR LONG SPAN JOISTS SHALL BE LOCATED IN ACCORDANCE WITH THE SJI SPECIFICATIONS. BRIDGING SHALL CONSIST OF CROSS BRACED MEMBERS EXCEPT BETWEEN A MASONRY WALL AND ADJACENT PARALLEL JOISTS WHERE THE BRIDGING SHALL B

ULTIMATE COMPONENTS AND CLADDING WIND LOAD:

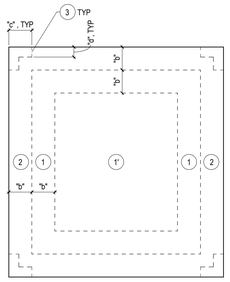
ZONE		EFFECTIVE AREA (SF)	PRESSURE (PSF)	
WALLS	4	10	29.6	-32.1
	4	100	25.2	-27.7
	4	500	22.2	-24.7
	5	10	29.6	-39.5
	5	100	25.2	-30.7
	5	500	22.2	-24.7
ROOF	1	10	13.2	-51.5
	1	100	10.4	-40.2
	1	500	10.4	-32.3
	1'	10	13.2	-29.6
	1'	100	10.4	-29.6
	1'	500	10.4	-20.0
	2	10	13.2	-68.0
	2	100	10.4	-53.4
	2	500	10.4	-43.3
	3	10	13.2	-92.6
	3	100	10.4	-63.6
	3	500	10.4	-43.3

NOTE:
1. POSITIVE AND NEGATIVE PRESSURES ARE APPLIED TOWARD AND AWAY FROM THE SURFACE, RESPECTIVELY.
2. SEE D6/FR-S-003 FOR LOAD ZONES.

E6 COMPONENTS AND CLADDING WIND LOADS
1" = 1'-0"



WALL DIAGRAM

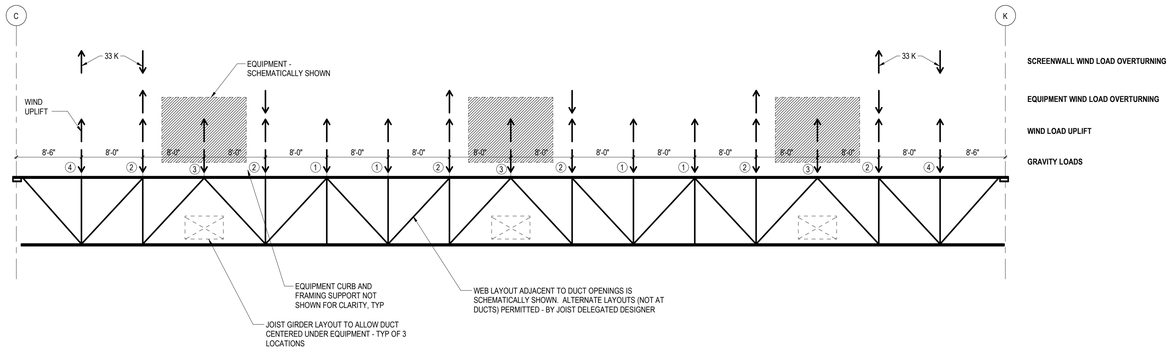


FLAT ROOF DIAGRAM

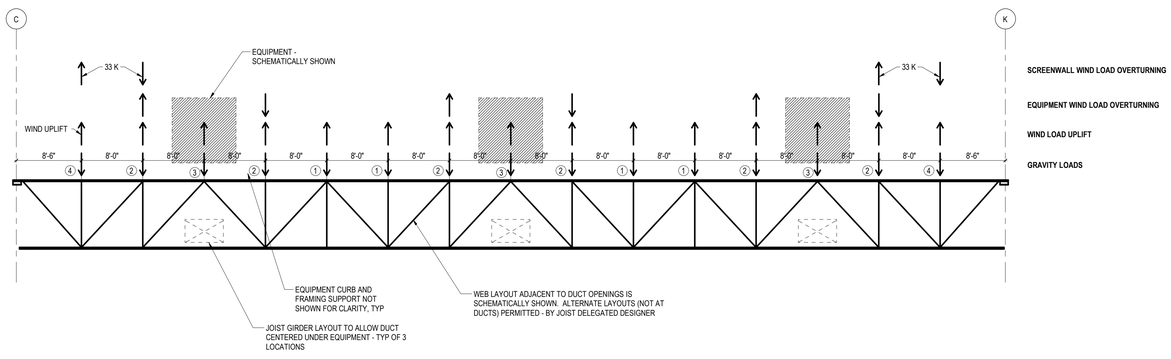
NOTES:

DIMENSION "a" = 14'-10"
DIMENSION "b" = 22'-3"
DIMENSION "c" = 22'-3"
DIMENSION "d" = 7'-6"

D6 COMPONENTS AND CLADDING DIAGRAMS
1/8" = 1'-0"



JOIST GIRDER LOADING DIAGRAM - GRID 2



JOIST GIRDER LOADING DIAGRAM - GRID 3

A6 JOIST GIRDER LOADING DIAGRAMS
1/8" = 1'-0"

JOIST GIRDER LOAD TABLE

JOIST GIRDER	PANEL POINT DESIGNATOR	GRAVITY LOADS (KIPS)		EQUIPMENT WIND LOAD OVERTURNING - (KIPS) - SEE NOTES	SCREENWALL WIND LOAD OVERTURNING - (KIPS) - SEE NOTES
		DEAD LOAD (TOTAL)	SNOW LOAD (INCLUDING DRIFT)		
GRID 2 AND 3	1	31	13	N/A	SEE LOADS ON DIAGRAM ON LEFT
	2	66	20	5	
	3	8	7	N/A	
	4	35	26	N/A	

LOADING TABLE NOTES:

FOR WIND LOAD OVERTURNING CASE: OVERTURNING WIND LOAD EFFECTS ARE INDICATED FOR WIND IN THE SOUTH-TO-NORTH DIRECTION. THE OPPOSITE WIND LOAD DIRECTION SHALL ALSO BE CONSIDERED (NOT SHOWN).

SNOW LOAD CONTROLS OVER ROOF LIVE LOAD.

JOIST GIRDER SHALL BE DESIGNED FOR THE TRIBUTARY WIND UPLIFT EFFECTS DUE TO 10 PSF TOTAL DEAD LOAD (FOR WIND UPLIFT CASE, 1.0*DEAD LOAD INCLUDING SUPPORTED STRUCTURE SELF-WEIGHT) AND 1.0*ULTIMATE WIND UPLIFT OF 17 PSF, IN ADDITION TO WIND LOAD OVERTURNING EFFECTS PER TABLE ABOVE.

ADDITIONAL NOTES:

JOIST GIRDER SPLICE ANTICIPATED DUE TO LENGTH - SPLICE LOCATION AND DESIGN BY JOIST GIRDER DELEGATED DESIGNER.

1

AT CONTRACTOR'S OPTION:
DELEGATED DESIGN OF STRUCTURAL STEEL TRUSS PERMITTED IN LIEU OF JOIST GIRDER WITH THE FOLLOWING REQUIREMENTS:

TOP AND BOTTOM CHORD OF TRUSS: W10 OR W12 BEAM (BEARING AT TOP OF COLUMN PL PER A6/FR-S-502 SIM), WITH TRUSS BEARING DIMENSIONS AND CONNECTION PROVIDED TO SEOR FOR COORDINATION PURPOSES.

WEB MEMBERS FOR TRUSS: WEB MEMBERS SHALL BE IN THE ARRANGEMENT INDICATED ON JOIST GIRDER ELEVATION. WEB MEMBERS CAN CONSIST OF DOUBLE ANGLES, STEEL TUBES, OR W SHAPE MEMBERS WITH EITHER BOLTED OR WELDED CONNECTIONS AT DELEGATED DESIGNER'S OPTION.

TOTAL TRUSS DEPTH SHALL MATCH JOIST GIRDER DEPTH AS INDICATED.

THE TRUSS DELEGATED DESIGNER SHALL DESIGN AND INDICATE BRACING OF TRUSS FOR WIND UPLIFT AND ANY FIELD SPLICE CONNECTION REQUIREMENTS.

TYPICAL NOTES:

PANEL POINTS OCCUR AT W BEAM OR JOIST BEARING CENTERLINE. SEE FRAMING PLAN LAYOUTS FOR WHERE FRAMING OCCURS.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.

NORTH

RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

PROFESSIONAL STRUCTURAL ENGINEER
KATHERINE E. FICKLE
E-20525
STATE OF NEBRASKA
8-21-24

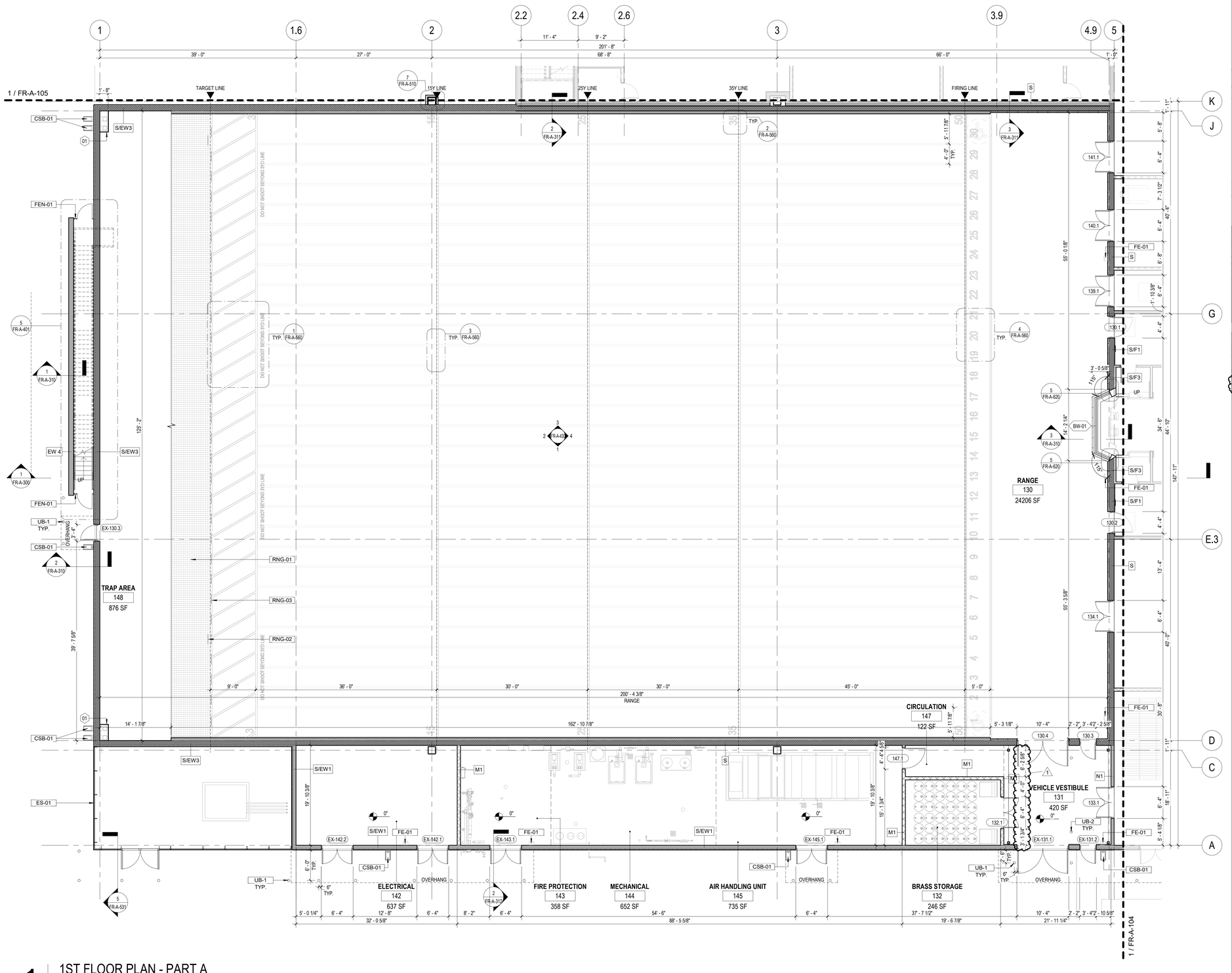
DRAWING TITLE:

LOADING DIAGRAMS

PROJECT NO:	10371527
DATE:	08/21/2024
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	CADD
CHECKED BY:	KEF

DRAWING NUMBER:

FR-S-003



1 1ST FLOOR PLAN - PART A

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

GENERAL NOTES

1. ALL PENETRATIONS THROUGH RATED WALL ASSEMBLIES ARE TO HAVE A FIRESTOP ASSEMBLY SYSTEM TO MATCH THE RATING OF THE WALL.
2. THE NUMBER, SIZE AND LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIER.
3. ALL DOORS TO BE INSTALLED 4" ON HINGE SIDE FROM PERPENDICULAR PARTITIONS UNO
4. FLOOR PLANS ARE CUT 4'-0" AFF TYPICAL.
5. INTERIOR LAYOUT DIMENSIONS ARE SHOWN TO FINISHED FACE OF GWB UNO
6. PROVIDE SUPPLEMENTAL FRAMING, BLOCKING AND BRACING WHERE REQUIRED FOR WALL MOUNTED FIXTURES AND EQUIPMENT AT GWB WALL.
7. ALL PENETRATIONS THROUGH CMU WALLS ARE TO BE ACOUSTICALLY SEALED PER DETAIL 6/FR-A-560
8. REFER TO FR-G-003 FOR MOUTING HEIGHTS.

LEGEND

WALL DESIGNATIONS

- CMU WALL
- CMU WALL, FULLY GROUTED
- S — STRUCTURAL WALL, LOAD BEARING, SEE STRUCTURAL DWGS
- S — STRUCTURAL WALL, LOAD BEARING, FULLY GROUTED, SEE STRUCTURAL DWGS

FIRE RATING

- FIRE RATING 1 HOUR
- FIRE RATING 2 HOUR

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
CSB-01	03 4816 - PRECAST CONCRETE SPLASH BLOCKS
UB-1	05 5000 - BOLLARD
UB-2	05 5000 - BOLLARD
FE-01	10 4400 - WALL MOUNTED FIRE EXTIGUISHER
ES-01	10 8200 - EQUIPMENT SCREEN
RNG-03	11 6723 - LATERAL TARGET TURNERS
RNG-01	11 6723 - RUBBER BERM TRAP
RNG-02	11 6723 - RUNNING MAN TARGETS
FEN-01	32 3113 - CHAINLINK FENCE WITH GATE

PLAN NOTES

01	AR500 ENCLOSURE AT CORNERS OF TRAP TO PROTECT VERTICAL MEP ITEMS.
02	FUTURE ELEVATOR SHAFT. SHAFT IS DESIGNED TO ALLOW AN ELEVATOR TO BE INSTALLED AT FUTURE PHASE.
03	CEILING MOUNTED PROJECTOR - SEE IA DRAWINGS
04	WALL FINISH FOR ALL EXPOSED CMU WALLS IN CIRCULATION 102 TO BE CMU-02 (GLAZED CMU)

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

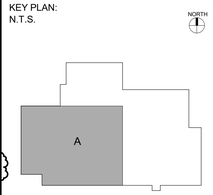
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

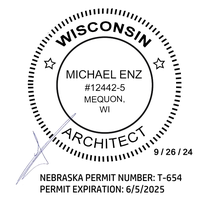
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

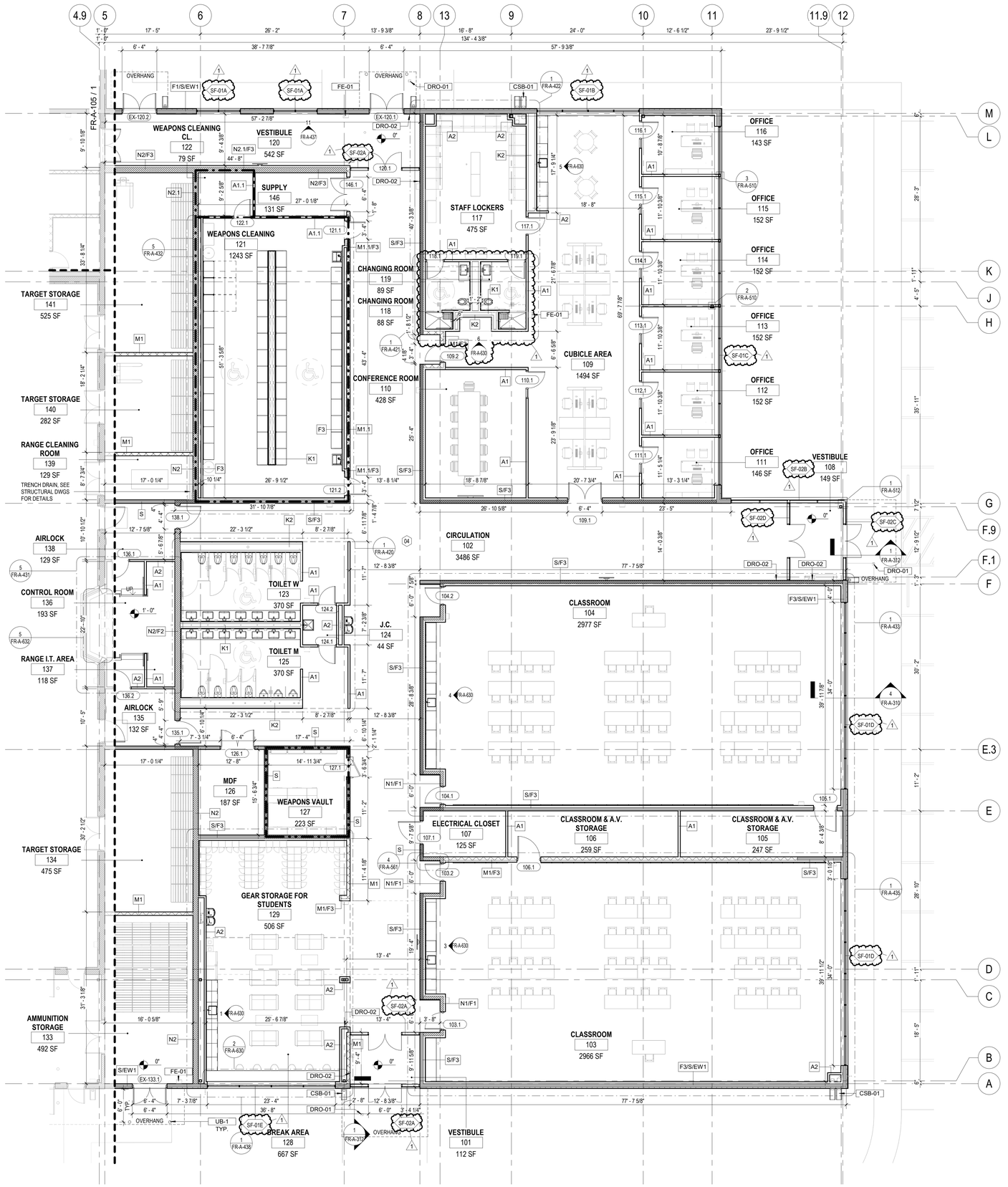
DRAWING TITLE:

1ST FLOOR PLAN - PART A

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-103



1 1ST FLOOR PLAN - PART B

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

GENERAL NOTES

1. ALL PENETRATIONS THROUGH RATED WALL ASSEMBLIES ARE TO HAVE A FIRESTOP ASSEMBLY SYSTEM TO MATCH THE RATING OF THE WALL.
2. THE NUMBER, SIZE AND LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIER.
3. ALL DOORS TO BE INSTALLED 4" ON HINGE SIDE FROM PERPENDICULAR PARTITIONS UNO
4. FLOOR PLANS ARE CUT 4'-0" AFF TYPICAL.
5. INTERIOR LAYOUT DIMENSIONS ARE SHOWN TO FINISHED FACE OF GWB UNO
6. PROVIDE SUPPLEMENTAL FRAMING, BLOCKING AND BRACING WHERE REQUIRED FOR WALL MOUNTED FIXTURES AND EQUIPMENT AT GWB WALL.
7. ALL PENETRATIONS THROUGH CMU WALLS ARE TO BE ACOUSTICALLY SEALED PER DETAIL 6/FR-A-560
8. REFER TO FR-G-003 FOR MOUTING HEIGHTS.

LEGEND

WALL DESIGNATIONS

- CMU WALL
- CMU WALL, FULLY GROUTED
- STRUCTURAL WALL, LOAD BEARING, SEE STRUCTURAL DWGS
- STRUCTURAL WALL, LOAD BEARING, FULLY GROUTED, SEE STRUCTURAL DWGS

FIRE RATING

- FIRE RATING 1 HOUR
- FIRE RATING 2 HOUR

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
CSB-01	03 4816 - PRECAST CONCRETE SPLASH BLOCKS
UB-1	05 5000 - BOLLARD
DRO-01	08 7113 - ADA AUTOMATIC DOOR OPENER - POST
DRO-02	08 7113 - ADA AUTOMATIC DOOR OPENER - WALL MOUNTED
FE-01	10 4400 - WALL MOUNTED FIRE EXTIGUISHER

PLAN NOTES

01	AR500 ENCLOSURE AT CORNERS OF TRAP TO PROTECT VERTICAL MEP ITEMS.
02	FUTURE ELEVATOR SHAFT. SHAFT IS DESIGNED TO ALLOW AN ELEVATOR TO BE INSTALLED AT FUTURE PHASE.
03	CMU CAP AT TOP OF WALL, SEE ELEVATIONS
04	WALL FINISH FOR ALL EXPOSED CMU WALLS IN CIRCULATION 102 TO BE CMU-02 (GLAZED CMU)

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

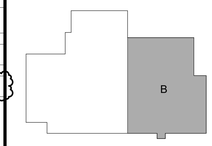
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON, WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

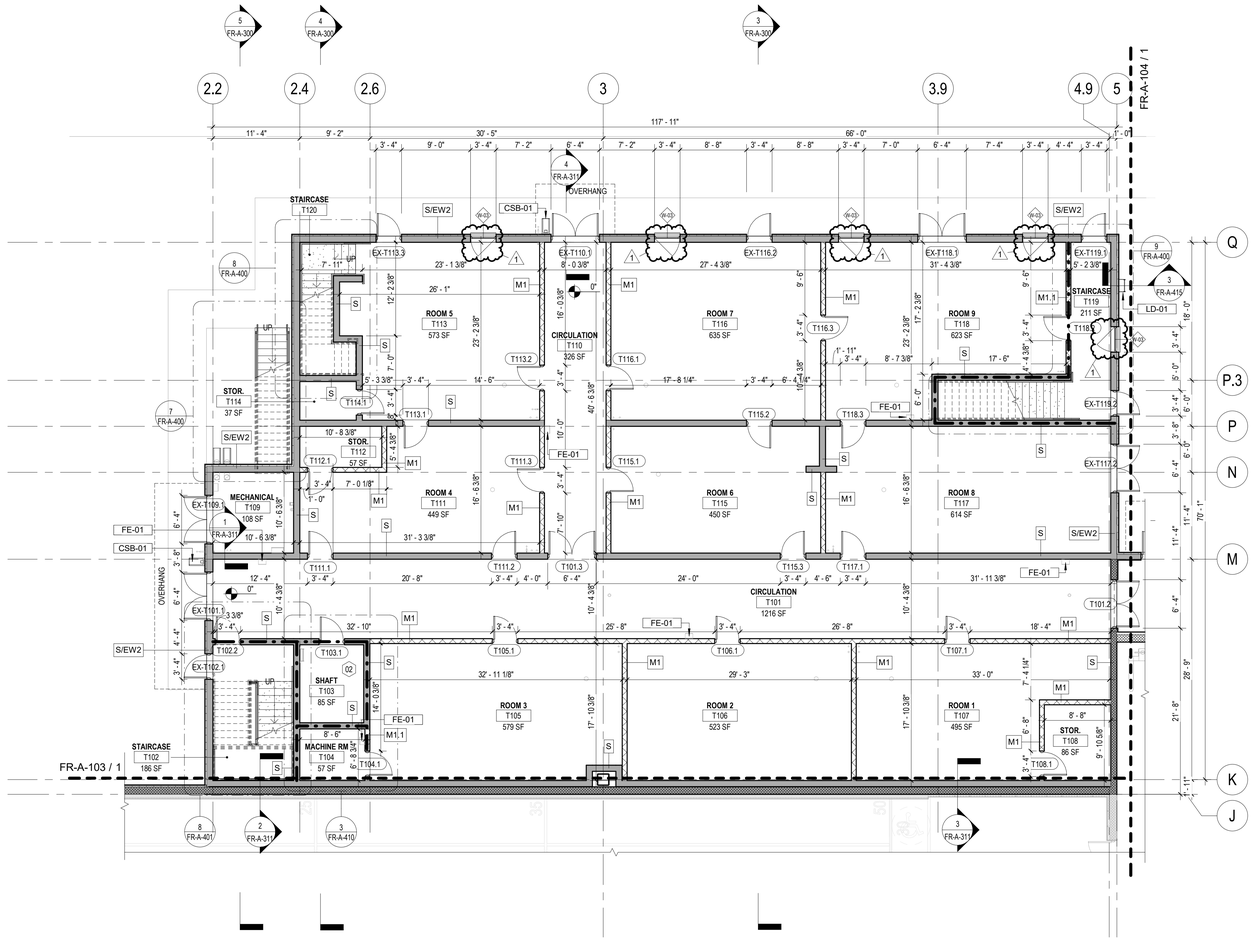
DRAWING TITLE:

1ST FLOOR PLAN - PART B

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-104



1 1ST FLOOR PLAN - PART C

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

0 4' 8' 16'

GENERAL NOTES

1. ALL PENETRATIONS THROUGH RATED WALL ASSEMBLIES ARE TO HAVE A FIRESTOP ASSEMBLY SYSTEM TO MATCH THE RATING OF THE WALL.
2. THE NUMBER, SIZE AND LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIER.
3. ALL DOORS TO BE INSTALLED 4" ON HINGE SIDE FROM PERPENDICULAR PARTITIONS UNO
4. FLOOR PLANS ARE CUT 4'-0" AFF TYPICAL.
5. INTERIOR LAYOUT DIMENSIONS ARE SHOWN TO FINISHED FACE OF GWB UNO
6. PROVIDE SUPPLEMENTAL FRAMING, BLOCKING AND BRACING WHERE REQUIRED FOR WALL MOUNTED FIXTURES AND EQUIPMENT AT GWB WALL.
7. ALL PENETRATIONS THROUGH CMU WALLS ARE TO BE ACOUSTICALLY SEALED PER DETAIL 6/FR-A-560
8. REFER TO FR-G-003 FOR MOUTING HEIGHTS.

LEGEND

WALL DESIGNATIONS

- CMU WALL
- CMU WALL, FULLY GROUTED
- S — STRUCTURAL WALL, LOAD BEARING, SEE STRUCTURAL DWGS
- S — STRUCTURAL WALL, LOAD BEARING, FULLY GROUTED, SEE STRUCTURAL DWGS

FIRE RATING

- FIRE RATING 1 HOUR
- FIRE RATING 2 HOUR

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
CSB-01	03 4816 - PRECAST CONCRETE SPLASH BLOCKS
LD-01	05 5100 - STEEL FIXED CAGE LADDER
FE-01	10 4400 - WALL MOUNTED FIRE EXTIGUISHER

PLAN NOTES

01	AR500 ENCLOSURE AT CORNERS OF TRAP TO PROTECT VERTICAL MEP ITEMS.
02	FUTURE ELEVATOR SHAFT. SHAFT IS DESIGNED TO ALLOW AN ELEVATOR TO BE INSTALLED AT FUTURE PHASE.
03	SLOPE SLAB INTO GRATING - SEE IN DRAWINGS
04	WALL FINISH FOR ALL EXPOSED CMU WALLS IN CIRCULATION 102 TO BE CMU-02 (GLAZED CMU)

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

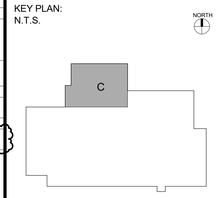
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

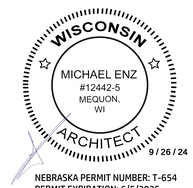
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

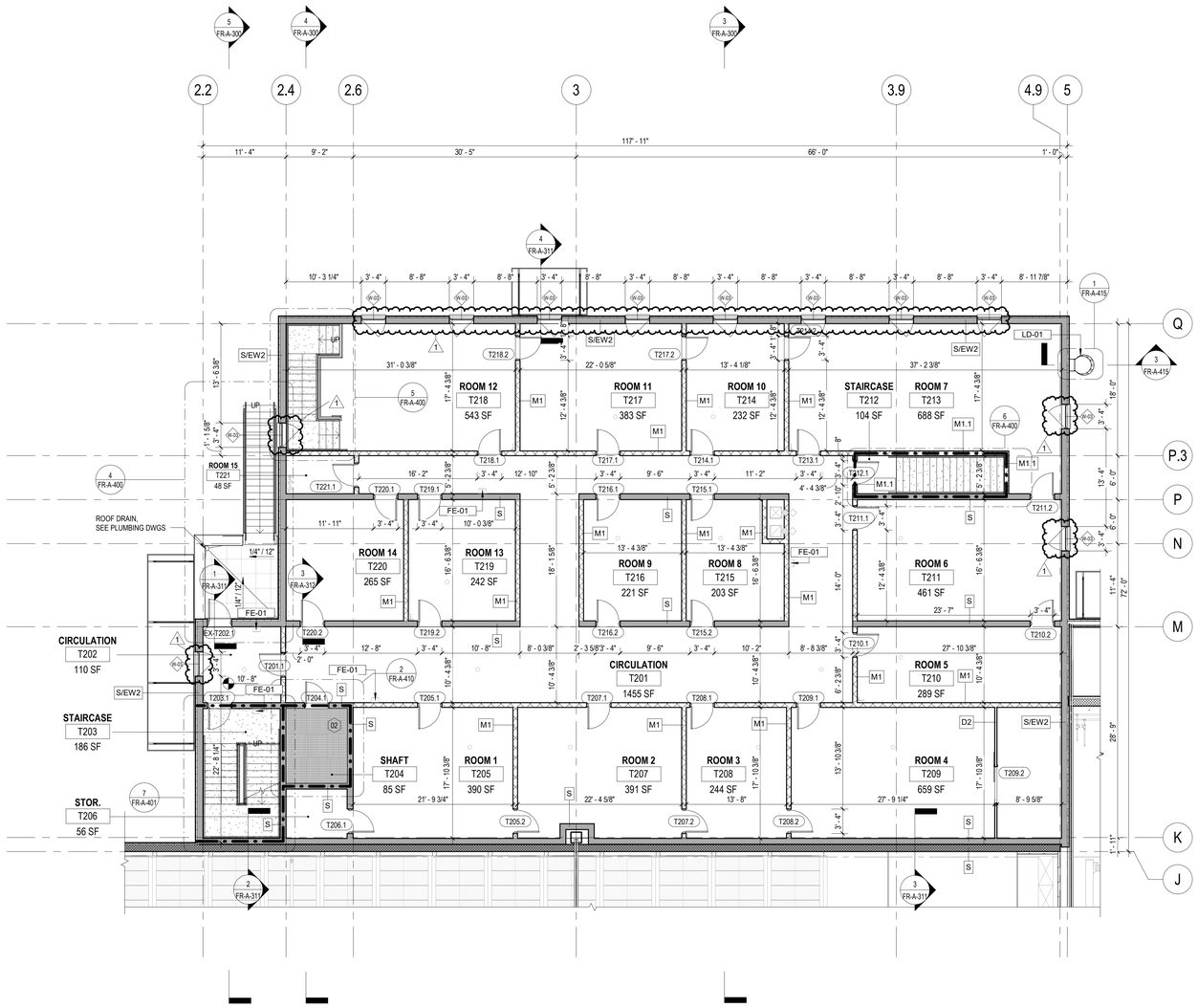
DRAWING TITLE:

1ST FLOOR PLAN - PART C

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-105



1 2ND FLOOR PLAN PART C

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

0 4' 8' 16'

GENERAL NOTES

1. ALL PENETRATIONS THROUGH RATED WALL ASSEMBLIES ARE TO HAVE A FIRESTOP ASSEMBLY SYSTEM TO MATCH THE RATING OF THE WALL.
2. THE NUMBER, SIZE AND LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIER.
3. ALL DOORS TO BE INSTALLED 4" ON HINGE SIDE FROM PERPENDICULAR PARTITIONS UNO
4. FLOOR PLANS ARE CUT 4'-0" AFF TYPICAL.
5. INTERIOR LAYOUT DIMENSIONS ARE SHOWN TO FINISHED FACE OF GWB UNO
6. PROVIDE SUPPLEMENTAL FRAMING, BLOCKING AND BRACING WHERE REQUIRED FOR WALL MOUNTED FIXTURES AND EQUIPMENT AT GWB WALL.
7. ALL PENETRATIONS THROUGH CMU WALLS ARE TO BE ACOUSTICALLY SEALED PER DETAIL 6/FR-A-560
8. REFER TO FR-G-003 FOR MOUTING HEIGHTS.

LEGEND

WALL DESIGNATIONS

- CMU WALL
- CMU WALL, FULLY GROUTED
- S — STRUCTURAL WALL, LOAD BEARING, SEE STRUCTURAL DWGS
- S — STRUCTURAL WALL, LOAD BEARING, FULLY GROUTED, SEE STRUCTURAL DWGS

FIRE RATING

- FIRE RATING 1 HOUR
- FIRE RATING 2 HOUR

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
LD-01	05 5100 - STEEL FIXED CAGE LADDER
FE-01	10 4400 - WALL MOUNTED FIRE EXTIGUISHER

PLAN NOTES

01	AR500 ENCLOSURE AT CORNERS OF TRAP TO PROTECT VERTICAL MEP ITEMS.
02	FUTURE ELEVATOR SHAFT. SHAFT IS DESIGNED TO ALLOW AN ELEVATOR TO BE INSTALLED AT FUTURE PHASE.
03	CRU AND MOUNTED FOR HEATER - SEE M DRAWINGS
04	WALL FINISH FOR ALL EXPOSED CMU WALLS IN CIRCULATION 102 TO BE CMU-02 (GLAZED CMU)

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

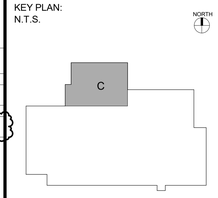
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

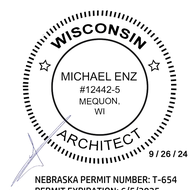
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

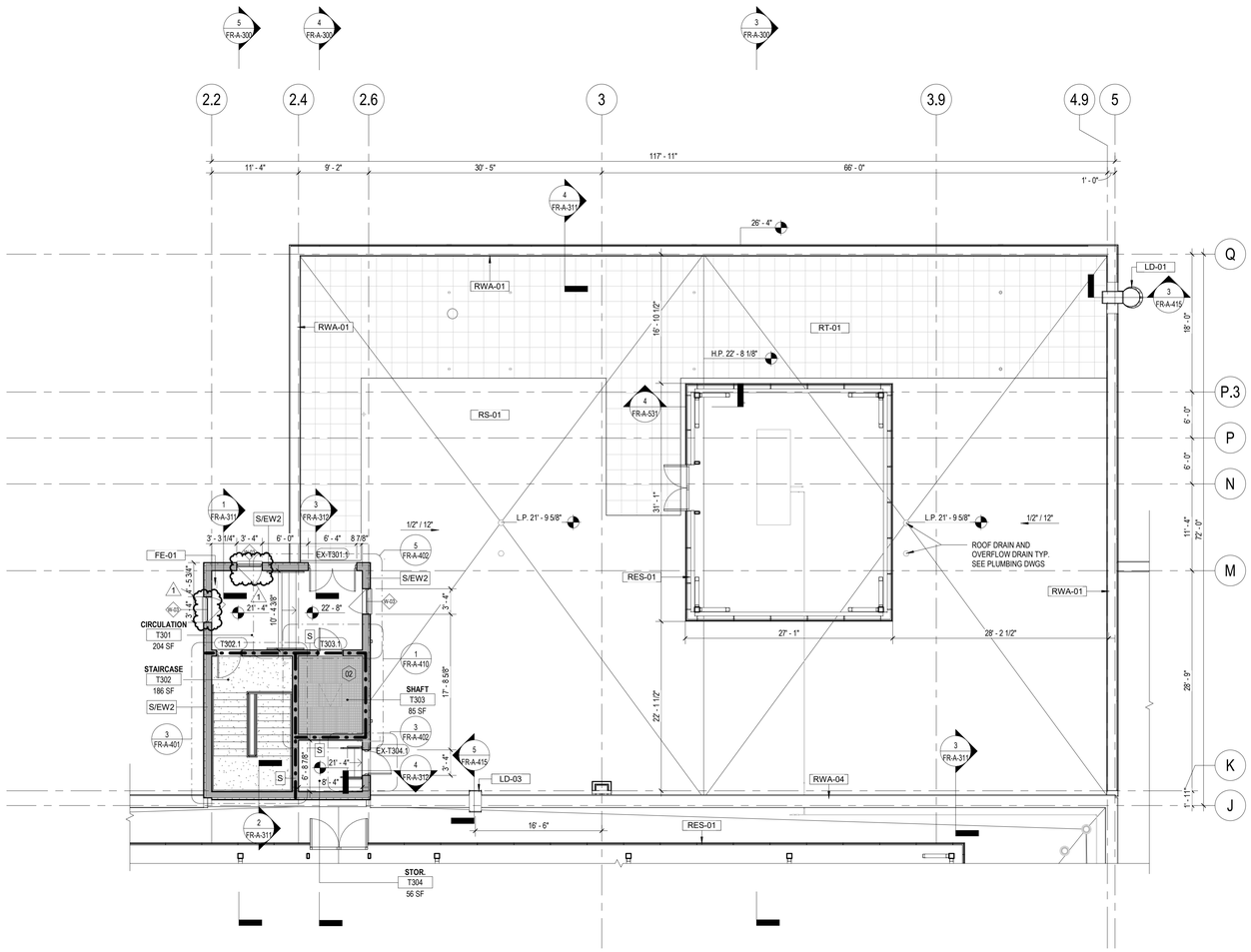
DRAWING TITLE:

2ND FLOOR PLAN

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-106



1 3RD FLOOR PLAN

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

GENERAL NOTES

1. ALL PENETRATIONS THROUGH RATED WALL ASSEMBLIES ARE TO HAVE A FIRESTOP ASSEMBLY SYSTEM TO MATCH THE RATING OF THE WALL.
2. THE NUMBER, SIZE AND LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIER.
3. ALL DOORS TO BE INSTALLED 4" ON HINGE SIDE FROM PERPENDICULAR PARTITIONS UNO
4. FLOOR PLANS ARE CUT 4'-0" AFF TYPICAL.
5. INTERIOR LAYOUT DIMENSIONS ARE SHOWN TO FINISHED FACE OF GWB UNO
6. PROVIDE SUPPLEMENTAL FRAMING, BLOCKING AND BRACING WHERE REQUIRED FOR WALL MOUNTED FIXTURES AND EQUIPMENT AT GWB WALL.
7. ALL PENETRATIONS THROUGH CMU WALLS ARE TO BE ACOUSTICALLY SEALED PER DETAIL 6/FR-A-560
8. REFER TO FR-G-003 FOR MOUTING HEIGHTS.

LEGEND

WALL DESIGNATIONS

- CMU WALL
- CMU WALL, FULLY GROUTED
- STRUCTURAL WALL, LOAD BEARING, SEE STRUCTURAL DWGS
- STRUCTURAL WALL, LOAD BEARING, FULLY GROUTED, SEE STRUCTURAL DWGS

FIRE RATING

- FIRE RATING 1 HOUR
- FIRE RATING 2 HOUR

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
LD-01	05 5100 - STEEL FIXED CAGE LADDER
LD-03	05 5100 - STEEL FIXED LADDER
RS-01	07 5323 - EPDM ROOF
RT-01	07 5323 - RUBBER PAVERS
RWA-01	07 7100 - METAL COPING - LIGHT GREY
RWA-04	07 7100 - ROOF SOFFIT
FE-01	10 4400 - WALL MOUNTED FIRE EXTIGUISHER
RES-01	10 8200 - ROOF EQUIPMENT SCREEN

PLAN NOTES

01	AR500 ENCLOSURE AT CORNERS OF TRAP TO PROTECT VERTICAL MEP ITEMS.
02	FUTURE ELEVATOR SHAFT. SHAFT IS DESIGNED TO ALLOW AN ELEVATOR TO BE INSTALLED AT FUTURE PHASE.
03	CRU AND MOUNTED EQUIPMENT - SEE M DRAWINGS
04	WALL FINISH FOR ALL EXPOSED CMU WALLS IN CIRCULATION 102 TO BE CMU-02 (GLAZED CMU)

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502.
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

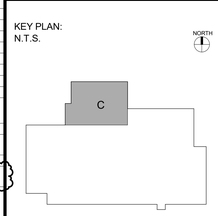
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON, WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

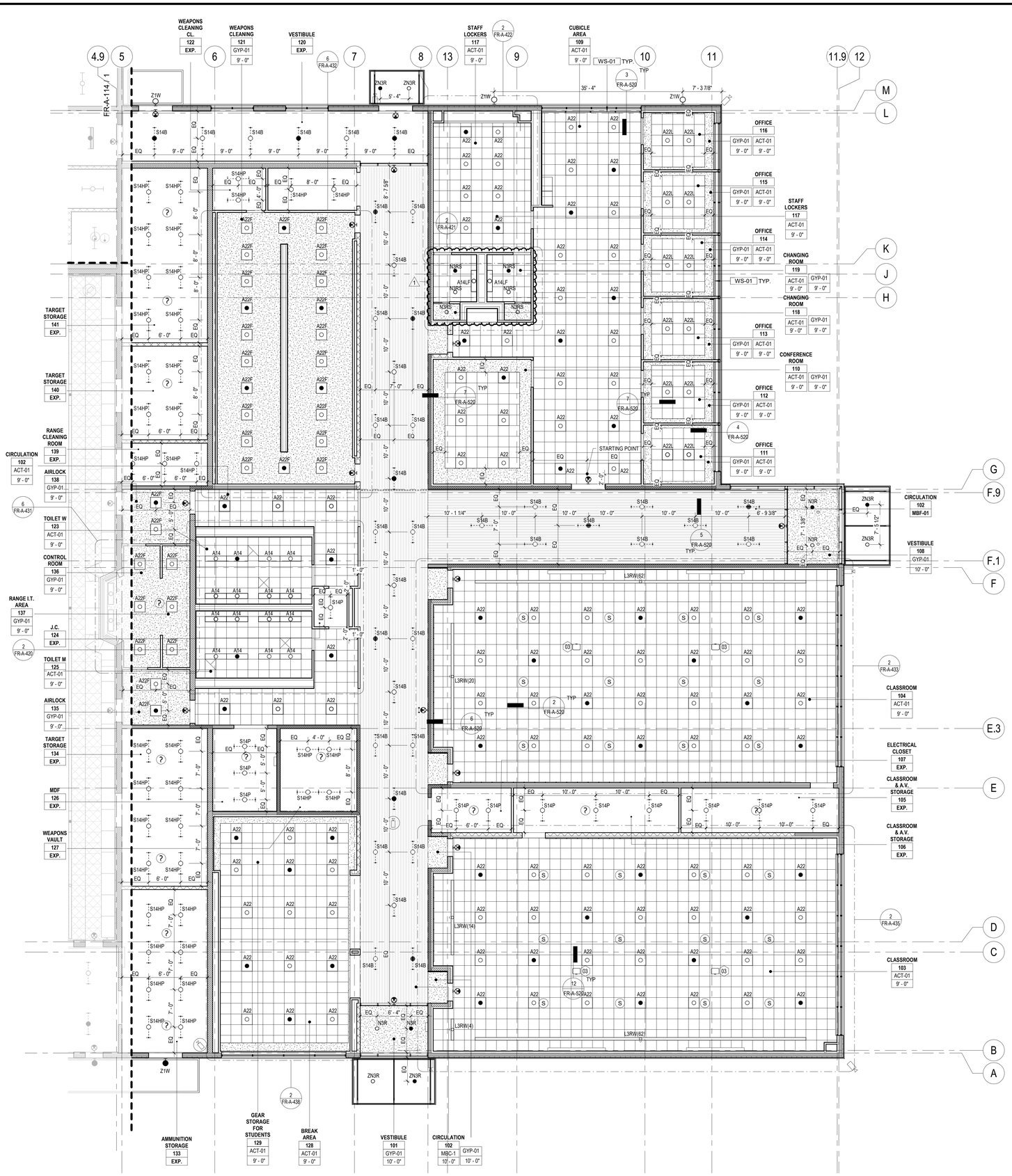
DRAWING TITLE:

3RD FLOOR PLAN

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-107



1 1ST FLOOR RCP - PART B

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

0 4' 8' 16'

REFLECTED CEILING LEGEND

- 2'x2' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE
- 1'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
- 1'x4' EMERGENCY RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
- 6'x4' STRIP OR TURRET LIGHT FIXTURE, SURFACE MOUNTED
- 6'x4' EMERGENCY STRIP OR TURRET LIGHT FIXTURE, SURFACE MOUNTED
- 6'x4' STRIP OR TURRET LIGHT FIXTURE, PENDANT MOUNTED
- 6'x4' EMERGENCY STRIP OR TURRET LIGHT FIXTURE, PENDANT MOUNTED
- 6'x4' LINEAR LIGHT FIXTURE, WALL MOUNTED
- 6'x4' EMERGENCY LINEAR LIGHT FIXTURE, WALL MOUNTED
- WALL SCONCE LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE
- RECESSED OR SURFACE MOUNTED ROUND DOWNLIGHT LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE • ^ WALL WASHER AND DIRECTION OF LIGHT DISTRIBUTION
- RECESSED OR SURFACE MOUNTED SQUARE DOWNLIGHT LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE • ^ WALL WASHER AND DIRECTION OF LIGHT DISTRIBUTION
- RECESSED OR SURFACE MOUNTED RECTANGULAR DOWNLIGHT LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE • ^ WALL WASHER AND DIRECTION OF LIGHT DISTRIBUTION
- SUPPLY OR FRESH AIR DUCT
- RETURN OR EXHAUST AIR DUCT
- EXIT SIGN WALL MOUNTED
- EXIT SIGN CEILING MOUNTED
- (S) SPEAKER CEILING MOUNTED
- (S) PUBLIC ADDRESS SPEAKER HORN
- AUTOMATIC HEAT DETECTOR CEILING MOUNTED
- (?) SMOKE DETECTOR CEILING MOUNTED
- VIDEO SURVEILLANCE CAMERA CEILING MOUNTED
- VIDEO SURVEILLANCE CAMERA WALL MOUNTED
- PROJECTOR
- (F) COMBINATION AUDIBLE/VISUAL NOTIFICATION APPLIANCE WALL MOUNTED
- (J) JUNCTION BOX

CEILING FINISHES

	ACT-01	2x2 ACOUSTIC CEILING TILES
	GYP-01	GYPSUM BOARD CEILING / SOFFIT
	EXP	EXPOSED CEILING UNO
	NBC-01	2x8 RANGE ACOUSTIC NON-BALLISTIC CEILING
	BSC-01	2x8 BALLISTIC SAFETY / BAFFLE CEILING
	MBF-01	METAL BAFFLE CEILING

REFLECTED CEILING NOTES

1. RCPS ARE CUT 6' - 0" AFF TYP.
2. ALL CEILING HEIGHTS ARE AS INDICATED ON RCP
3. ALL DIFFUSERS, REGISTERS AND GRILLES ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
4. ALL PLUMBING FIXTURES, SPRINKLERS, FHCS, AND STANDPIPES AND RELATED EQUIPMENT ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
5. ALL LIGHTS, LIGHTING CONTROL DEVICES, FIRE ALARM DEVICES, AVIIT AND SECURITY DEVICES ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
6. REFER TO ELECTRICAL, IT DRAWINGS AND LIGHTING FIXTURE SCHEDULE FOR LIGHTING INFORMATION.
7. REFER TO ELECTRICAL, AV, IT, AND SECURITY DOCUMENTS FOR FURTHER INFORMATION ABOUT CEILING MOUNTED DEVICES.
8. ALL FIXTURES LOCATED WITHIN ACT TILE TO BE CENTERED WITHIN TILE.
9. REFER TO MECHANICAL DRAWINGS FOR HVAC DIFFUSER INFORMATION.
10. IT AND MEP SYSTEM LAYOUTS, SEAM LOCATIONS, HANGER DETAILS AND LOCATIONS SHOULD TO BE COORDINATED ON SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ARCHITECT.
11. ALL DUCTWORKS AND CONDUITS IN EXPOSED CEILINGS SHOULD BE FREE OF MARKINGS, TAGS, STICKERS AND IMPERFECTIONS. WHERE EXPOSED CEILING IS PAINTED, PROVIDE WITH A FINISH TO BE COMPATIBLE WITH A FINAL PAINT COATING ON SITE.
12. DUCTWORKS IN EXPOSED CEILINGS SHOULD HAVE INTERNAL ACOUSTICAL AND THERMAL LINING AND NO EXTERNAL INSULATION.
13. ALL EXPOSED MEP ELEMENTS AND ACCESSORIES SHOULD HAVE A FINAL PAINT COAT ON SITE.
14. ALL CEILING HEIGHTS ARE AS INDICATED ON RCP. CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR ELEVATION.
15. START POINT OF CEILING GRID SHALL BE CENTER OF TILE EQUALS CENTER OF ROOM UNO.
16. ALL LIGHT FIXTURES OF SAME TYPE IN SAME SPACE SHALL ALIGN UNO.

PLAN NOTES

01	AR500 ENCLOSURE AT CORNERS OF TRAP TO PROTECT VERTICAL MEP ITEMS.
02	FUTURE ELEVATOR SHAFT. SHAFT IS DESIGNED TO ALLOW AN ELEVATOR TO BE INSTALLED AT FUTURE PHASE.
03	CEILING MOUNTED PROJECTOR - SEE AV DRAWINGS
04	WALL FINISH FOR ALL EXPOSED CMU WALLS IN CIRCULATION 102 TO BE CMU-02 (GLAZED CMU)

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
WS-01	12 2100 - WINDOW SHADE

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
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P. 414-909-8586

ENGINEERS OF RECORD:

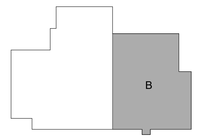
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

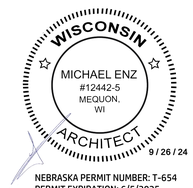
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD,
GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



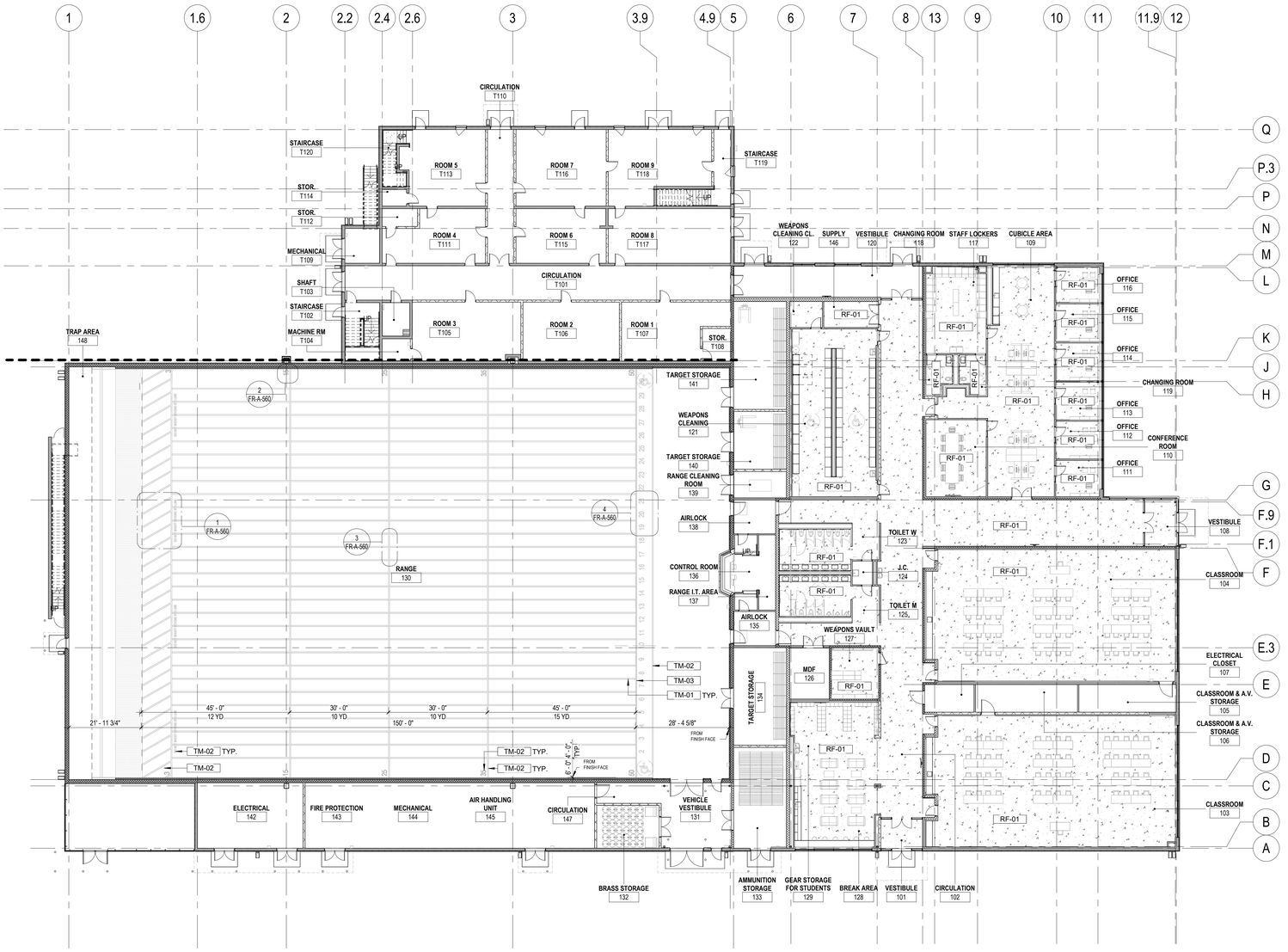
NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

1ST FLOOR RCP - PART B

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME
DRAWING NUMBER:	

FR-A-113



1 OVERALL FIRST FLOOR FINISH PLAN

SCALE: 1/16" = 1'-0" 0 8' 16' 32'

FINISH LEGEND

FLOOR FINISHES

	SC-01	SEALED CONCRETE
	RF-01	EPOXY FLOORING

FINISH NOTES

1. REFERENCE FR-G-004 FOR STANDARD MOUNTING HEIGHTS AND DETAILS
2. CHANGE OF FLOOR MATERIAL LINE IS FOR REFERENCE ONLY. REFER TO SHEETS FR-A-611 & FR-A-612 FOR FLOOR FINISH TRANSITION DETAILS.
3. CONTRACTOR TO COORDINATE CONTROL JOINT LOCATIONS IN CONCRETE SLAB TO BE APPROVED BY ARCHITECT.

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
TM-03	07 1800 - TRAFFIC MARKING - RED
TM-01	07 1800 - TRAFFIC MARKING - WHITE
TM-02	07 1800 - TRAFFIC MARKING - YELLOW
RF-01	09 6700 - EPOXY FLOORING

FINISH LIST

MATERIAL TYPE	TAG	SPEC SECTION	DESCRIPTION	MANUFACTURER	STYLE	SIZE	COLOR	FINISH	COMMENTS
BASE									
BASE	PTB-03	09 3100	PORCELAIN TILE BASE	DALTILE	STEP WISE - VOLUME 1.0	6" x 12"	THUNDER		
BASE	RB-01	09 6500	RUBBER BASE	TARKETT	TRADITIONAL VINYL - TOELESS	4"	20 CHARCOAL		
CEILING									
CEILING	ACT-01	09 5113	ACOUSTICAL CEILING PANEL	ARMSTRONG	ULTIMA HIGH NRC	24" x 24"	WHITE		15/16" SQUARE LAY IN
CEILING	BSC-01	11 6723	BALLISTIC SAFETY/BAFFLE CEILING	-	WOOD FIBER ACOUSTIC TILE	24" x 96"	GRAY		
CEILING	GYP-01	09 2900	GYPSUM BOARD				WHITE		IMPACT RESISTANT UP TO FINISHED CEILING OR 8FT AFF.
CEILING	MBF-01	09 5100	METAL BAFFLE CEILING	ARMSTRONG	METALWORKS BLADES - CLASSICS	2' x 6', @ 6" O.C.	GUN METAL		
CEILING	NBC-01	11 6723	RANGE ACOUSTIC NON-BALLISTIC CEILING		WOOD FIBER ACOUSTIC TILE	24" x 96"	GRAY		
FLOORING									
FLOORING	RF-01	09 6700	EPOXY FLOORING	STONHARD	STONTEC	SMALL FLAKE	SANTA CRUZ		
FLOORING	SC-01	DIV 03	SEALED CONCRETE						
MISCELANEOUS									
MISCELANEOUS	PLAM-01	06 4000	LAMINATE	FORMICA			STORM	MATTE	KITCHENETTE
MISCELANEOUS	SS-01	06 2200	SOLID SURFACE	CORIAN	SOLID SURFACE	3/4" THICKNESS	DOVE GREY		BREAK AREA, CLASSROOM AND OFFICE KITCHENETTE
MISCELANEOUS	SS-02	06 2200	SOLID SURFACE	CORIAN	SOLID SURFACE	3/4" THICKNESS	JUNIPER		BATHROOM COUNTERS
MISCELANEOUS	SS-03	06 2200	SOLID SURFACE	CORIAN	SOLID SURFACE	3/4" THICKNESS	SILVER GREY		CONTROL ROOM
MISCELANEOUS	TP-01	10 2113	TOILET PARTITION	METPAR	PHENOLIC - BLACK CORE		ATLANTIS D25-60		FLOOR TO CEILING MOUNTED
MISCELANEOUS	US-01	10 2113	URINAL SCREEN	METPAR	PHENOLIC - BLACK CORE		ATLANTIS D25-60		TYPE "WH" WALL HUNG
MISCELANEOUS	WS-01	12 2413	WINDOW SHADE	MECHO	DOUBLE SHADE				
PAINT									
PAINT	EP-02D	09 9100	PAINT - LIGHT GRAY	PPG	PPG PITT-GLAZE WBI	-	PPG1010-3 SOLSTICE	SEMI-GLOSS	USED ON CMU
PAINT	EP-06D	09 9100	PAINT - BLACK	PPG	PPG PITT-GLAZE WBI	-	PPG1001-7 BLACK MAGIC	SEMI-GLOSS	USED ON CMU ABOVE CEILING, METAL TRUSTS & DECK
PAINT	EP-06E	09 9100	PAINT - BLACK	PPG	PPG PITT-GLAZE WBI	-	PPG1001-7 BLACK MAGIC	EGGSHELL	USED ON MEP ITEMS ABOVE CEILING
PAINT	EP-07B	09 9100	PAINT - DARK GRAY	PPG	PPG PITT-GLAZE WBI	-	PPG1001-6 KNIGHTS ARMOR	SEMI-GLOSS	USED ON HOLLOW METAL DOORS AND FRAMES
PAINT	EP-08C	09 9100	PAINT - WHITE	PPG	PPG SPEEDHIDE	-	PPG 1001-1 DELICATE WHITE	ULTRA-FLAT	GYP CEILING
PAINT	EP-08D	09 9100	PAINT - WHITE	PPG	PPG PITT-GLAZE WBI	-	PPG 1001-1 DELICATE WHITE	SEMI-GLOSS	CONCRETE CEILING
PAINT	PNT-01A	09 9100	PAINT - WHITE	PPG	PPG SPEEDHIDE MAX	-	PPG1009-2 TORNADO	EGGSHELL	GENERAL COLOR - USED ON GYP.
PAINT	PNT-02A	09 9100	PAINT - LIGHT GRAY	PPG	PPG SPEEDHIDE MAX	-	PPG1010-3 SOLSTICE	EGGSHELL	GENERAL COLOR - USED ON GYP.
PAINT	PNT-03A	09 9100	PAINT - MEDIUM GRAY	PPG	PPG SPEEDHIDE MAX	-	PPG1010-5 DOWNPOUR	EGGSHELL	GENERAL COLOR - USED ON GYP.
PAINT	PNT-05A	09 9100	PAINT - DARK BLUE	PPG	PPG SPEEDHIDE MAX	-	PPG1163-5 SILVER BLUEBERRY	EGGSHELL	GENERAL COLOR - USED ON GYP.
WALL									
WALL	ACP-01	09 7723	ACOUSTIC WALL PANEL	TURF	TANGRAM		JEAN JACKET		
WALL	ARB-01	11 6723	RANGE ACOUSTIC RUBBER BLOCK		RUBBER	24" x 24"	BLACK		
WALL	AWP-01	11 6723	RANGE ACOUSTIC WALL PANEL		WOOD FIBER ACOUSTIC TILE	24" x 96"	GRAY		
WALL	CMU-02	04 2200	CONCRETE MASONRY UNIT - GLAZED, WHITE	MIDWEST BLOCK & BRICK			SNOW WHITE	SATIN GLOSS	
WALL	PRP-01	06 6400	PLASTIC FABRICATIONS						REFER TO CIRCULATION ELEV. FOR PLACEMENT
WALL	PT-02	09 3100	PORCELAIN TILE	DALTILE	STEP WISE - VOLUME 1.0	12" x 24"	THUNDER	MATTE	
WALL	WC-01	09 7200	WHITEBOARD WALL COVERING	KOROSEAL	MATTE-RITE 50	50"	WHITE		

FINISH SCHEDULE - 1ST FLOOR

ROOM NO	SPACE DESCRIPTION	FLOOR	BASE	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CEILING	REMARKS
101	VESTIBULE	RF-01	RB-01	-	CMU-02	-	CMU-02	GYP-01	
102	CIRCULATION	RF-01	RB-01	CMU-02 / PT-01/ PRP-01	CMU-02 / PT-01	CMU-02 / PT-01	CMU-02 / PT-01 / CMU-03	MBF-01 / ACT-01 / GYP-01	SEE ELEVATIONS X
103	CLASSROOM	RF-01	RB-01	PNT-01A / ACP-01	PNT-01A	PNT-01A / WC-01	PNT-01A / ACP-01	ACT-01	SEE ELEVATIONS X
104	CLASSROOM	RF-01	RB-01	PNT-01A / WC-01	PNT-01A	PNT-01A / ACP-01	PNT-01A / ACP-01	ACT-01	SEE ELEVATIONS X
105	CLASSROOM & A.V. STORAGE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	PNT-02A	EXP	
106	CLASSROOM & A.V. STORAGE	SC-01	RB-01	EP-02D	PNT-02A	EP-02D	PNT-02A	EXP	
107	ELECTRICAL CLOSET	SC-01	RB-01	EP-02D	PNT-02A	EP-02D	EP-02D	EXP	
108	VESTIBULE	RF-01	RB-01	-	-	CMU-02	-	GYP-01 + EP-08C	
109	CUBICLE AREA	RF-01	RB-01	PNT-01A	PNT-05A	PNT-01A	PT-05A / PNT-03A / PNT-01A	ACT-01	
110	CONFERENCE ROOM	RF-01	RB-01	PNT-01A	PNT-05A	PNT-01A	PNT-01A	GYP-01+ EP-08C / ACT-01	
111	OFFICE	RF-01	RB-01	PNT-01A	PNT-01A	PNT-05A	PNT-01A	GYP-01+ EP-08C / ACT-01	
112	OFFICE	RF-01	RB-01	PNT-01A	PNT-01A	PNT-05A	PNT-01A	GYP-01+ EP-08C / ACT-01	
113	OFFICE	RF-01	RB-01	PNT-01A	PNT-01A	PNT-05A	PNT-01A	GYP-01+ EP-08C / ACT-01	
114	OFFICE	RF-01	RB-01	PNT-01A	PNT-01A	PNT-05A	PNT-01A	GYP-01+ EP-08C / ACT-01	
115	OFFICE	RF-01	RB-01	PNT-01A	PNT-01A	PNT-05A	PNT-01A	GYP-01+ EP-08C / ACT-01	
116	OFFICE	RF-01	RB-01	PNT-01A	PNT-01A	PNT-05A	PNT-01A	GYP-01+ EP-08C / ACT-01	
117	STAFF LOCKERS	RF-01	RB-01	PNT-05A	PNT-05A	PNT-02A	PNT-05A	ACT-01	
118	CHANGING ROOM	RF-01	PTB-03	PT-02	PT-02	PT-02	PT-02	ACT-01	SEE ELEVATIONS X
119	CHANGING ROOM	RF-01	PTB-03	PT-02	[illegible]	PT-02	PT-02	ACT-01	SEE ELEVATIONS X
120	VESTIBULE	RF-01	RB-01	PNT-02A	-	PNT-02A	PNT-02A	GYP-01 + EP-08C	
121	WEAPONS CLEANING	RF-01	RB-01	PNT-05A	PNT-02A	PNT-05A	PNT-02A	GYP-01 + EP-08C	
122	WEAPONS CLEANING CL.	SC-01	RB-01	EP-02D	PNT-02A	PNT-02A	EP-02D	EXP	
123	TOILET W	RF-01	PTB-03/RB-01	PT-02	PT-02/PNT-01A	PT-02/PNT-01A	PT-02	ACT-01	
124	J.C.	RF-01	RB-01	PNT-02A	PNT-02A	PNT-02A	FRP-01	EXP	
125	TOILET M	RF-01	PTB-03/RB-01	PT-02/PNT-01A	PT-02/PNT-01A	PT-02	PT-02	ACT-01	
126	MDF	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
127	WEAPONS VAULT	RF-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
128	BREAK AREA	RF-01	RB-01	-	PNT-01A	PNT-01A	PNT-05A	GYP-01+ EP-08C / ACT-01	
129	GEAR STORAGE FOR STUDENTS	RF-01	RB-01	PNT-01A	PNT-01A	-	PNT-01A / PNT-05A	GYP-01+ EP-08C / ACT-01	
130	RANGE	SC-01	-	ARB-01 / AWP-01	AWP-01	ARB-01 / AWP-01	-	NBC-01 / BSC-01	
131	VEHICLE VESTIBULE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
132	BRASS STORAGE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
133	AMMUNITION STORAGE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
134	TARGET STORAGE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
135	AIRLOCK	SC-01	RB-01	PNT-01A	EP-05D	EP-01D	PNT-05A	R3	
136	CONTROL ROOM	SC-01	RB-01	PNT-05A	PNT-02A	PNT-05A	PNT-01A	GYP-01 + EP-08C	
137	RANGE I.T. AREA	SC-01	RB-01	PNT-01A	EP-02D	PNT-01A	PNT-01A	GYP-01 + EP-08C	
138	AIRLOCK	SC-01	RB-01	EP-01D	EP-05D	PNT-01A	PNT-05A	GYP-01 + EP-08C	
139	RANGE CLEANING ROOM	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
140	TARGET STORAGE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
141	TARGET STORAGE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
142	ELECTRICAL	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP	
143	FIRE PROTECTION	SC-01	RB-01	EP-02D	-	EP-02D	EP-02D	EXP	
144	MECHANICAL	SC-01	RB-01	EP-02D	-	EP-02D	-	EXP	
145	AIR HANDLING UNIT	SC-01	RB-01	EP-02D	EP-02D	EP-02D	-	EXP	
146	SUPPLY	SC-01	RB-01	EP-02D	EP-02D	PNT-02A	PNT-02A	EXP	
147	CIRCULATION	SC-01	RB-01	EP-02D	-	EP-02D	EP-02D	EXP	
148	TRAP AREA	SC-01	-	-	-	-	-	-	
T101	CIRCULATION	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T102	STAIRCASE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T103	SHAFT	-	-	-	-	-	-	-	
T104	MACHINE RM	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T105	ROOM 3	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T106	ROOM 2	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T107	ROOM 1	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T108	STOR.	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T109	MECHANICAL	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T110	CIRCULATION	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T111	ROOM 4	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T112	STOR.	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T113	ROOM 5	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T114	STOR.	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T115	ROOM 6	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T116	ROOM 7	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T117	ROOM 8	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T118	ROOM 9	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T119	STAIRCASE	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T120	STAIRCASE	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

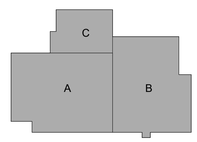
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

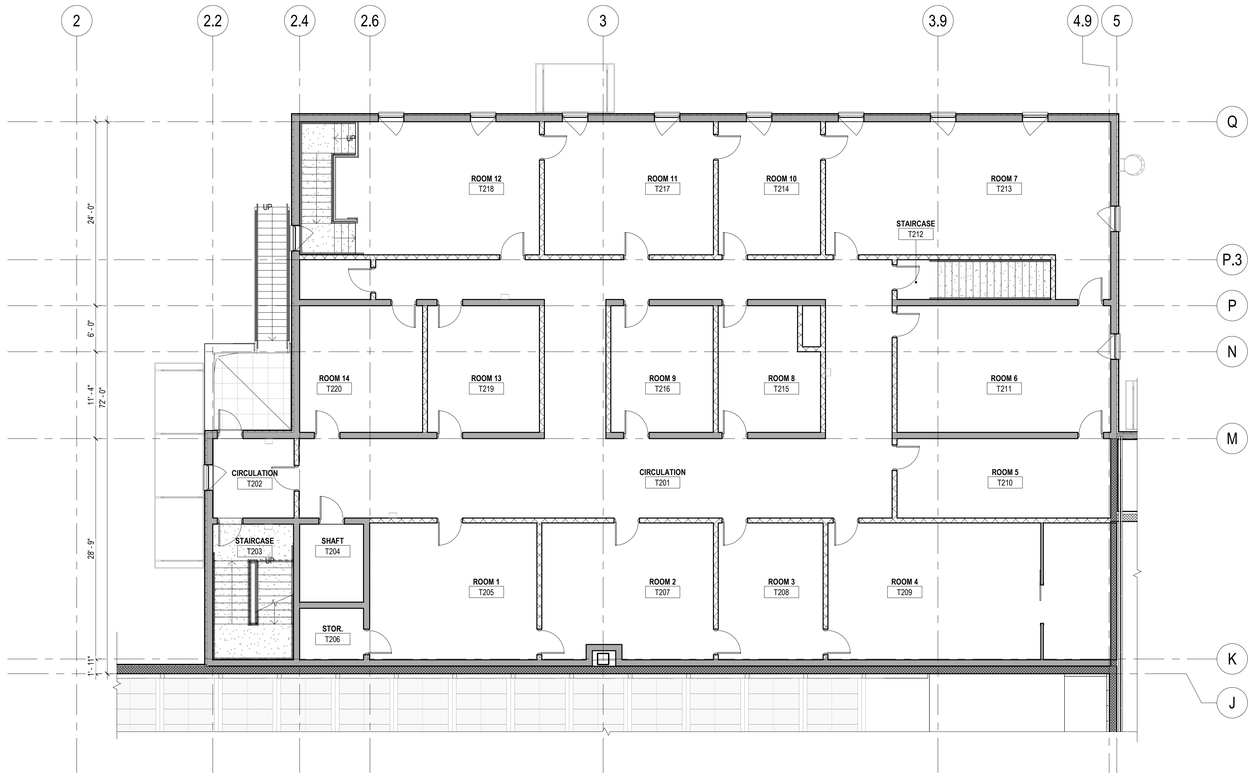
WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON, WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

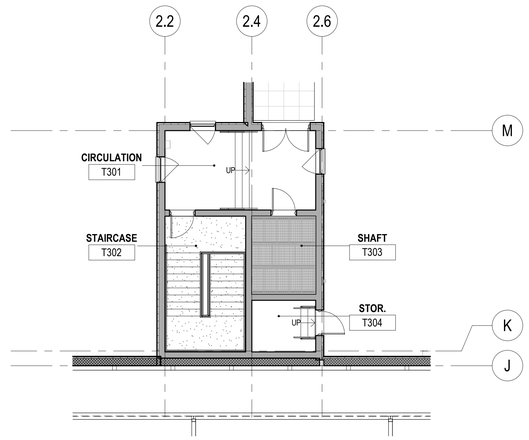
1ST FLOOR FINISH PLAN

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME
DRAWING NUMBER:	FR-A-120



1 2ND FLOOR FINISH PLAN

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



2 3RD FLOOR FINISH PLAN

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

FINISH LEGEND

FLOOR FINISHES

	SC-01	SEALED CONCRETE
	RF-01	EPOXY FLOORING

FINISH NOTES

1. REFERENCE FR-G-004 FOR STANDARD MOUNTING HEIGHTS AND DETAILS
2. CHANGE OF FLOOR MATERIAL LINE IS FOR REFERENCE ONLY. REFER TO SHEETS FR-A-611 & FR-A-612 FOR FLOOR FINISH TRANSITION DETAILS.
3. CONTRACTOR TO COORDINATE CONTROL JOINT LOCATIONS IN CONCRETE SLAB TO BE APPROVED BY ARCHITECT.

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION

FINISH LIST

MATERIAL TYPE	TAG	SPEC SECTION	DESCRIPTION	MANUFACTURER	STYLE	SIZE	COLOR	FINISH	COMMENTS
BASE									
BASE	PTB-03	09 3100	PORCELAIN TILE BASE	DALTILE	STEP WISE - VOLUME 1.0	6" x 12"	THUNDER		
BASE	RB-01	09 6500	RUBBER BASE	TARKETT	TRADITIONAL VINYL - TOELESS	4"	20 CHARCOAL		
CEILING									
CEILING	ACT-01	09 5113	ACOUSTICAL CEILING PANEL	ARMSTRONG	ULTIMA HIGH ABS	24" x 24"	WHITE		USE SQUARE LAY IN
CEILING	BSC-01	11 6723	BALLISTIC SAFETY/BAFFLE CEILING		CEMENTITIOUS WOOD FIBER ACOUSTIC PANELS	24" x 96"	GRAY		AR500 STEEL PLATE INCLUDED
CEILING	GYP-01	09 2900	GYPSUM BOARD				WHITE		MOISTURE RESISTANT GP TO FINISHED CEILING OR 8FT AFF.
CEILING	MBF-01	09 5100	METAL BAFFLE CEILING	ARMSTRONG	METALWORKS BLADES - CLASSICS	2' x 6'. @ 6" O.C.	GUN METAL		
CEILING	NBC-01	11 6723	RANGE ACOUSTIC NON-BALLISTIC CEILING		CEMENTITIOUS WOOD FIBER ACOUSTIC PANELS	24" x 96"	GRAY		
FLOORING									
FLOORING	RF-01	09 6700	EPOXY FLOORING	STONHARD	STONTEC	SMALL FLAKE	SANTA CRUZ		
FLOORING	SC-01	DIV 03	SEALED CONCRETE						
MISCELANEOUS									
MISCELANEOUS	PLAM-01	06 4000	LAMINATE	FORMICA			STORM	MATTE	KITCHENETTE
MISCELANEOUS	SS-01	12 3661.16	SOLID SURFACE	CORIAN	SOLID SURFACE	3/4" THICKNESS	DOVE GREY		BREAK AREA, CLASSROOM AND OFFICE KITCHENETTE
MISCELANEOUS	SS-02	12 3661.16	SOLID SURFACE	CORIAN	SOLID SURFACE	3/4" THICKNESS	JUNIPER		BATHROOM COUNTERS
MISCELANEOUS	SS-03	12 3661.16	SOLID SURFACE	CORIAN	SOLID SURFACE	3/4" THICKNESS	SILVER GREY		CONTROL ROOM
MISCELANEOUS	TP-01	10 2113	TOILET PARTITION	METPAR	PHENOLIC - BLACK CORE		ATLANTIS D25-60		FLOOR TO CEILING MOUNTED
MISCELANEOUS	US-01	10 2113	URINAL SCREEN	METPAR	PHENOLIC - BLACK CORE		ATLANTIS D25-60		TYPE "WH" WALL HUNG
MISCELANEOUS	WS-01	12 2413	WINDOW SHADE	MECHO	DOUBLE SHADE				
PAINT									
PAINT	EP-02D	09 9100	PAINT - LIGHT GRAY	PPG	PPG PITT-GLAZE WBI	-	PPG1010-3 SOLSTICE	SEMI-GLOSS	USED ON CMU
PAINT	EP-06D	09 9100	PAINT - BLACK	PPG	PPG PITT-GLAZE WBI	-	PPG1001-7 BLACK MAGIC	SEMI-GLOSS	USED ON CMU ABOVE CEILING, METAL TRUSTS & DECK
PAINT	EP-06E	09 9100	PAINT - BLACK	PPG	PPG PITT-GLAZE WBI	-	PPG1001-7 BLACK MAGIC	EGGSHELL	USED ON MEP ITEMS ABOVE CEILING
PAINT	EP-07B	09 9100	PAINT - DARK GRAY	PPG	PPG PITT-GLAZE WBI	-	PPG1001-6 KNIGHTS ARMOR	SEMI-GLOSS	USED ON HOLLOW METAL DOORS AND FRAMES
PAINT	EP-08C	09 9100	PAINT - WHITE	PPG	PPG SPEEDHIDE	-	PPG 1001-1 DELICATE WHITE	ULTRA-FLAT	GYP CEILING
PAINT	EP-08D	09 9100	PAINT - WHITE	PPG	PPG PITT-GLAZE WBI	-	PPG 1001-1 DELICATE WHITE	SEMI-GLOSS	CONCRETE CEILING
PAINT	PNT-01A	09 9100	PAINT - WHITE	PPG	PPG SPEEDHIDE MAX	-	PPG1009-2 TORNADO	EGGSHELL	GENERAL COLOR - USED ON GYP.
PAINT	PNT-02A	09 9100	PAINT - LIGHT GRAY	PPG	PPG SPEEDHIDE MAX	-	PPG1010-3 SOLSTICE	EGGSHELL	GENERAL COLOR - USED ON GYP.
PAINT	PNT-03A	09 9100	PAINT - MEDIUM GRAY	PPG	PPG SPEEDHIDE MAX	-	PPG1010-5 DOWNPOUR	EGGSHELL	GENERAL COLOR - USED ON GYP.
PAINT	PNT-05A	09 9100	PAINT - DARK BLUE	PPG	PPG SPEEDHIDE MAX	-	PPG1163-5 SILVER BLUEBERRY	EGGSHELL	GENERAL COLOR - USED ON GYP.
WALL									
WALL	ACP-01	09 7723	ACOUSTIC WALL PANEL	TURF	TANGRAM		JEAN JACKET		
WALL	ARB-01	11 6723	RANGE ACOUSTIC RUBBER BLOCK		RUBBER	24" x 24"	BLACK		AR500 STEEL PLATE INCLUDED
WALL	AWP-01	11 6723	RANGE ACOUSTIC WALL PANEL		CEMENTITIOUS WOOD FIBER ACOUSTIC PANELS	24" x 96"	GRAY		
WALL	CMU-02	04 2200	CONCRETE MASONRY UNIT - GLAZED, WHITE	MIDWEST BLOCK & BRICK	ASTRA GLAZE		SNOW WHITE	SATIN GLOSS	
WALL	PRP-01	09 7700	PLASTIC FABRICATIONS		SEE SPECIFICATIONS				REFER TO CIRCULATION ELEV. FOR PLACEMENT
WALL	PT-02	09 3013	PORCELAIN TILE	DALTILE	STEP WISE - VOLUME 1.0	12" x 24"	THUNDER	MATTE	
WALL	WC-01	09 7700	WHITEBOARD WALL COVERING	KOROSEAL	MATTE-RITE 50	50"	WHITE		

FINISH SCHEDULE - 2ND & 3RD FLOOR

ROOM NO	SPACE DESCRIPTION	FLOOR FINISH	BASE FINISH	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CEILING	REMARKS
T201	CIRCULATION	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T202	CIRCULATION	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T203	STAIRCASE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T204	SHAFT	-	-	-	-	-	-	-	
T205	ROOM 1	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T206	STOR.	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T207	ROOM 2	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T208	ROOM 3	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T209	ROOM 4	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T210	ROOM 5	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T211	ROOM 6	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T212	STAIRCASE	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T213	ROOM 7	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T214	ROOM 10	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T215	ROOM 8	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T216	ROOM 9	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T217	ROOM 11	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T218	ROOM 12	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T219	ROOM 13	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T220	ROOM 14	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T221	ROOM 15	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T301	CIRCULATION	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T302	STAIRCASE	SC-01	RB-01	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	
T303	SHAFT	-	-	-	-	-	-	EXP	
T304	STOR.	SC-01	-	EP-02D	EP-02D	EP-02D	EP-02D	EXP/EP-08D	

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

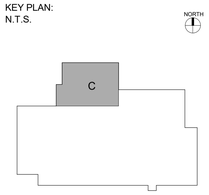
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON, WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

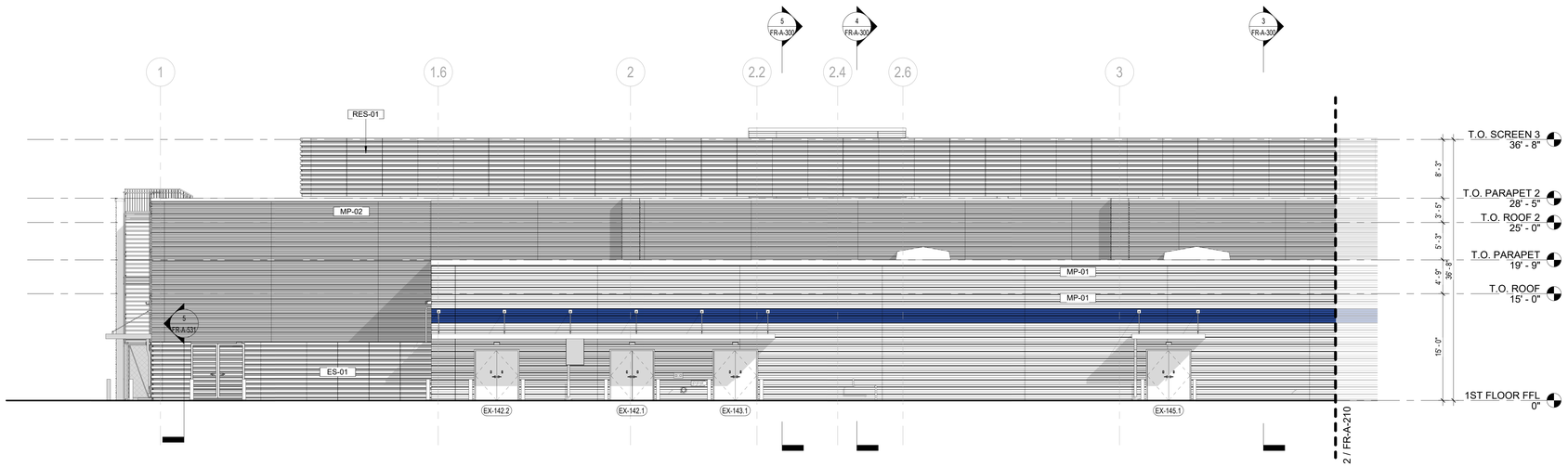
DRAWING TITLE:

2ND & 3RD FINISH FLOOR PLAN & FINISH SCHEDULE

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

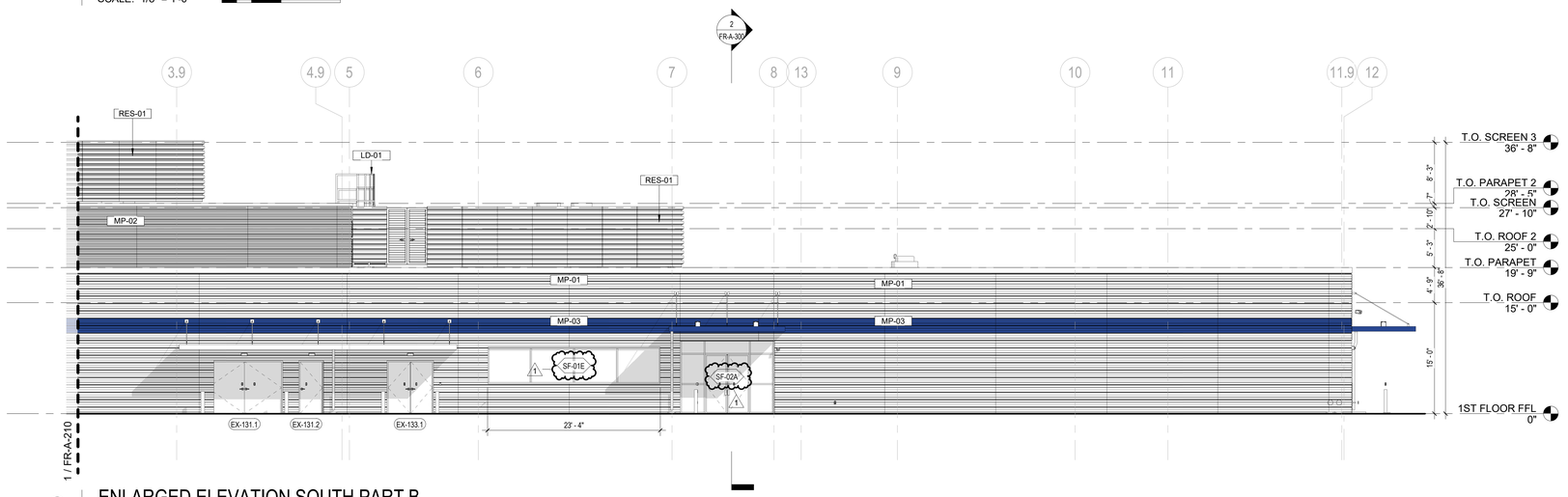
DRAWING NUMBER:

FR-A-121



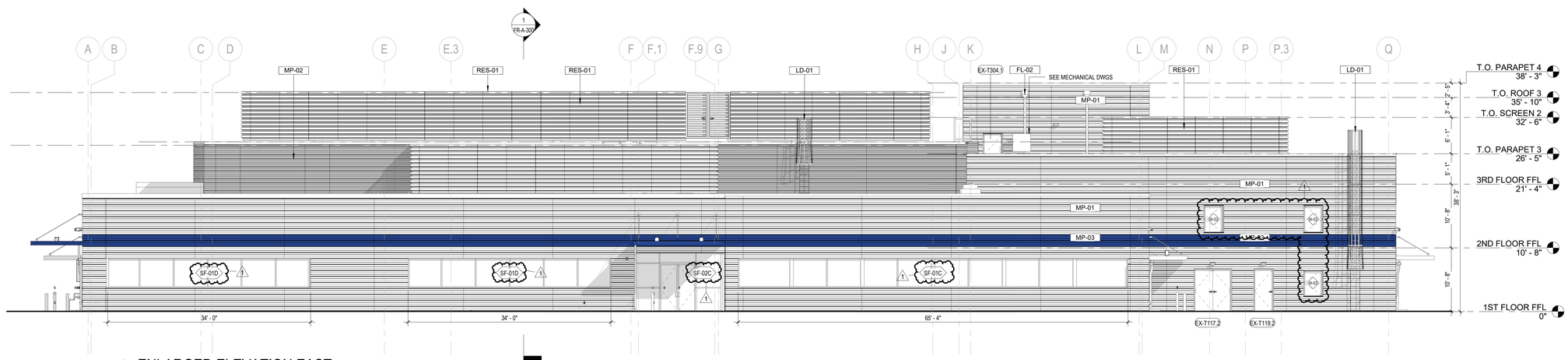
1 ENLARGED ELEVATION SOUTH PART A

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



2 ENLARGED ELEVATION SOUTH PART B

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



3 ENLARGED ELEVATION EAST

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
LD-01	05 5100 - STEEL FIXED CAGE LADDER
MP-01	07 4213.13 - METAL WALL PANELS
MP-02	07 4213.13 - METAL WALL PANELS
MP-03	07 4213.13 - METAL WALL PANELS
FL-02	07 6200 - SCUPPER AND DOWNSPOUT
ES-01	10 8200 - EQUIPMENT SCREEN
RES-01	10 8200 - ROOF EQUIPMENT SCREEN

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

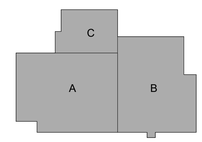
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

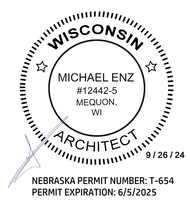
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

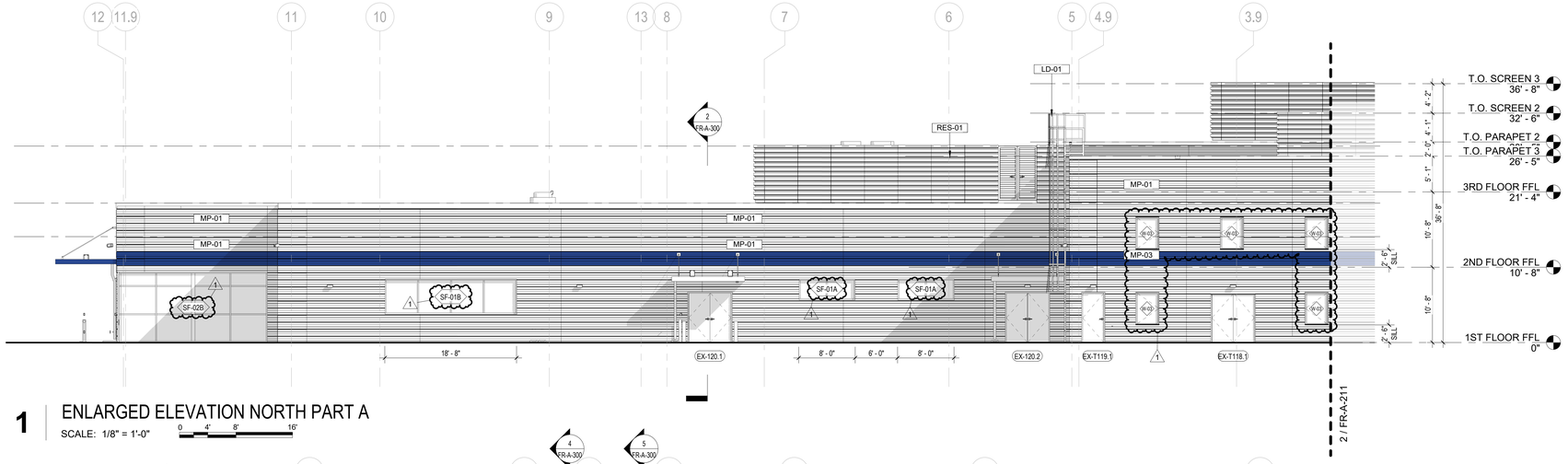
DRAWING TITLE:

ENLARGED BUILDING ELEVATIONS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

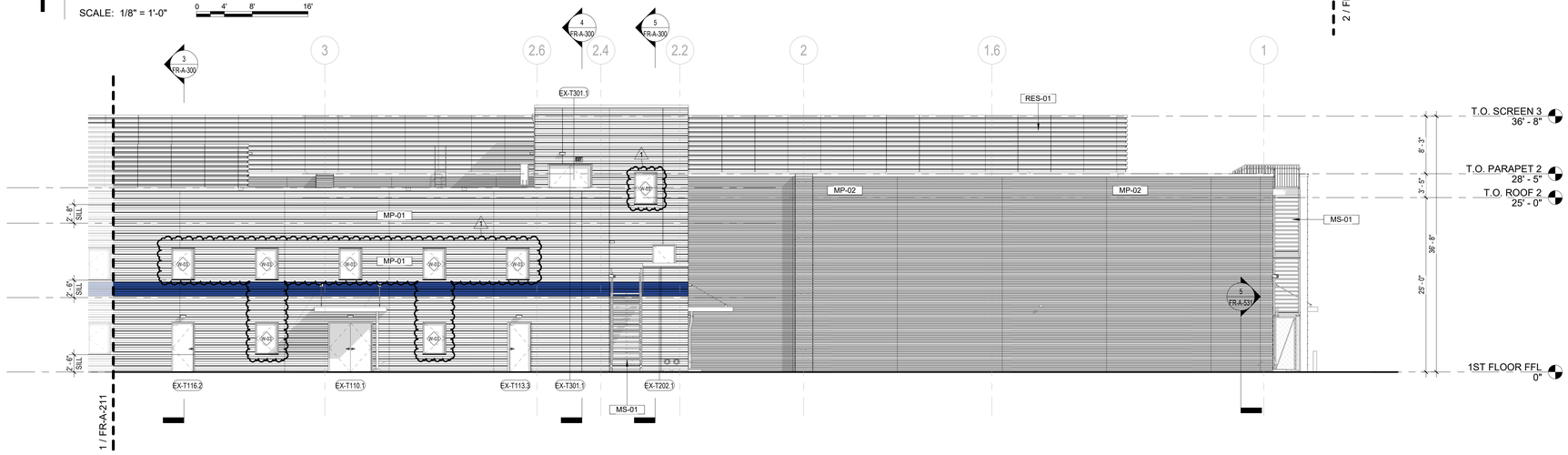
DRAWING NUMBER:

FR-A-210



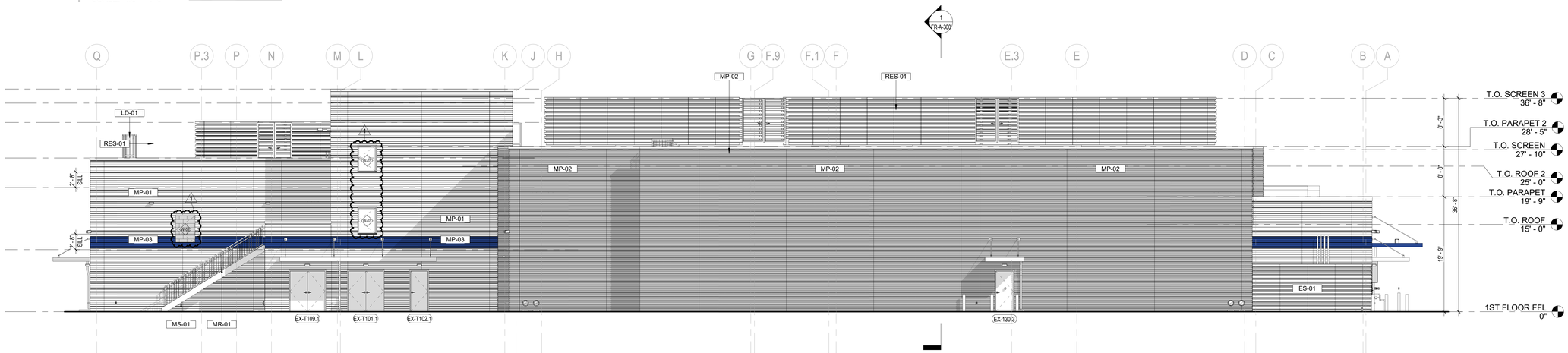
1 ENLARGED ELEVATION NORTH PART A

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



2 ENLARGED ELEVATION NORTH PART B

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



3 ENLARGED ELEVATION WEST

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
MR-01	05 5100 - METAL GUARDRAIL WITH HANDRAIL
MS-01	05 5100 - METAL STAIRS
LD-01	05 5100 - STEEL FIXED CAGE LADDER
MP-01	07 4213.13 - METAL WALL PANELS
MP-02	07 4213.13 - METAL WALL PANELS
MP-03	07 4213.13 - METAL WALL PANELS
ES-01	10 8200 - EQUIPMENT SCREEN
RES-01	10 8200 - ROOF EQUIPMENT SCREEN

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

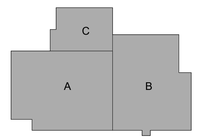
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD,
GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

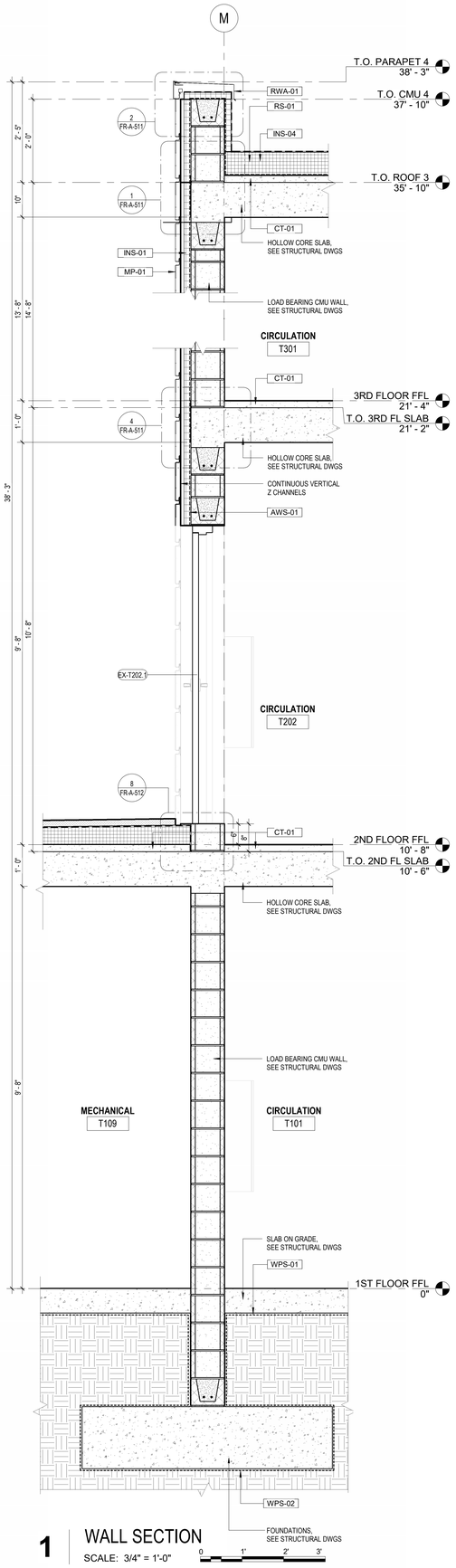
DRAWING TITLE:

ENLARGED BUILDING ELEVATIONS

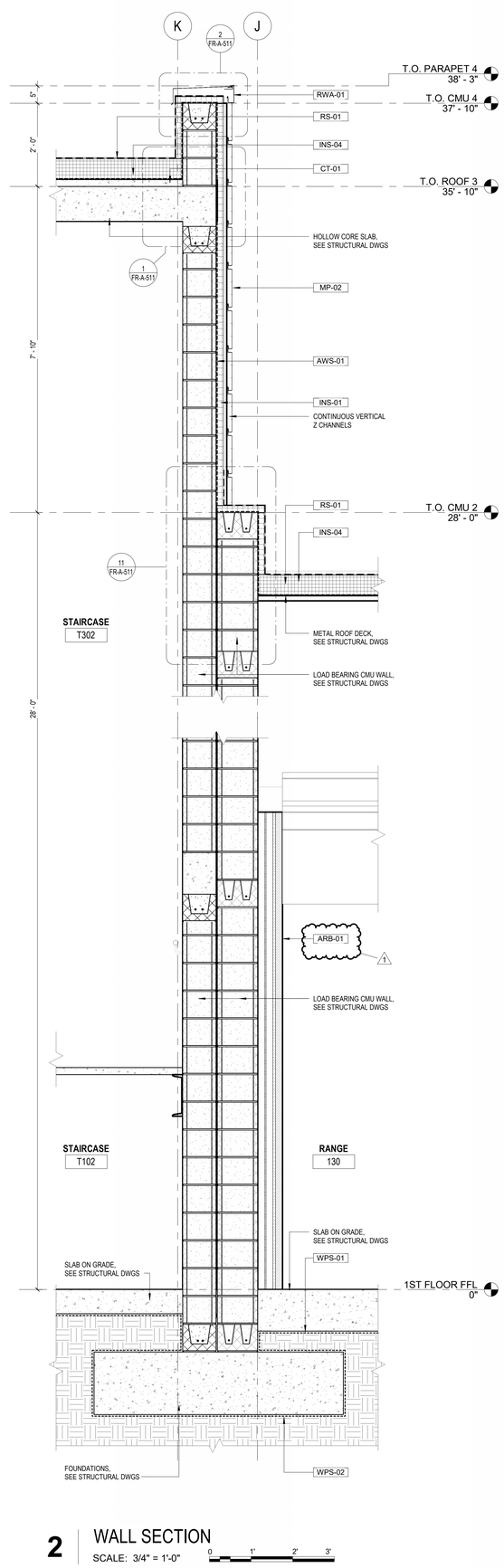
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

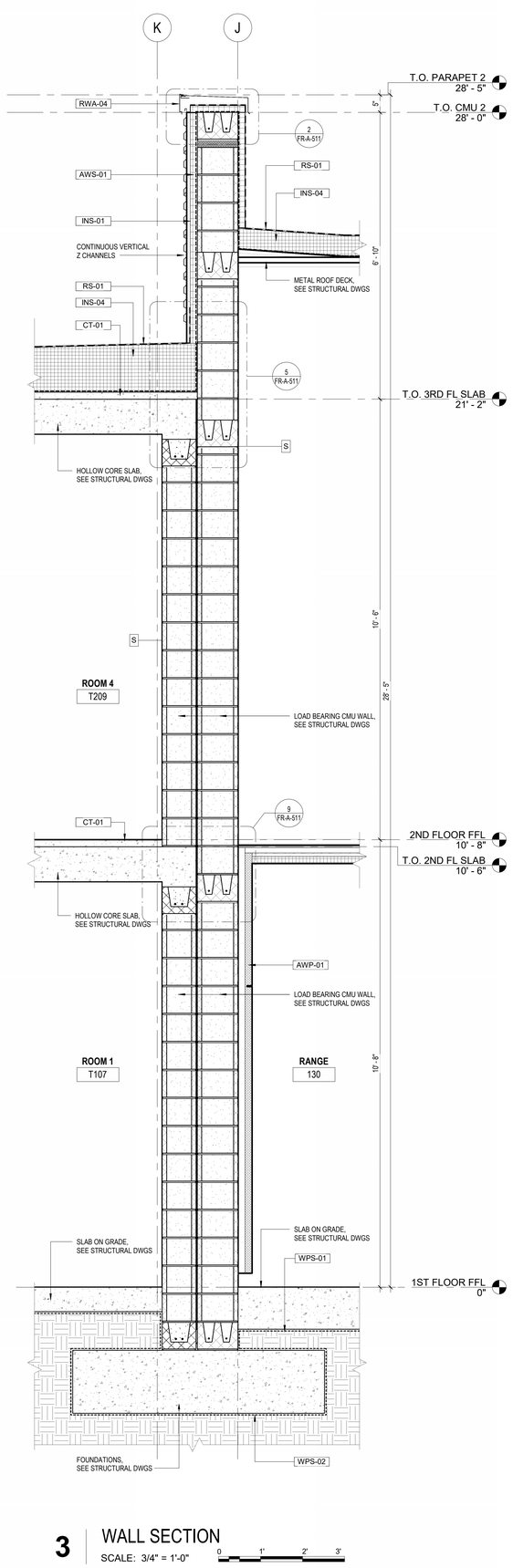
FR-A-211



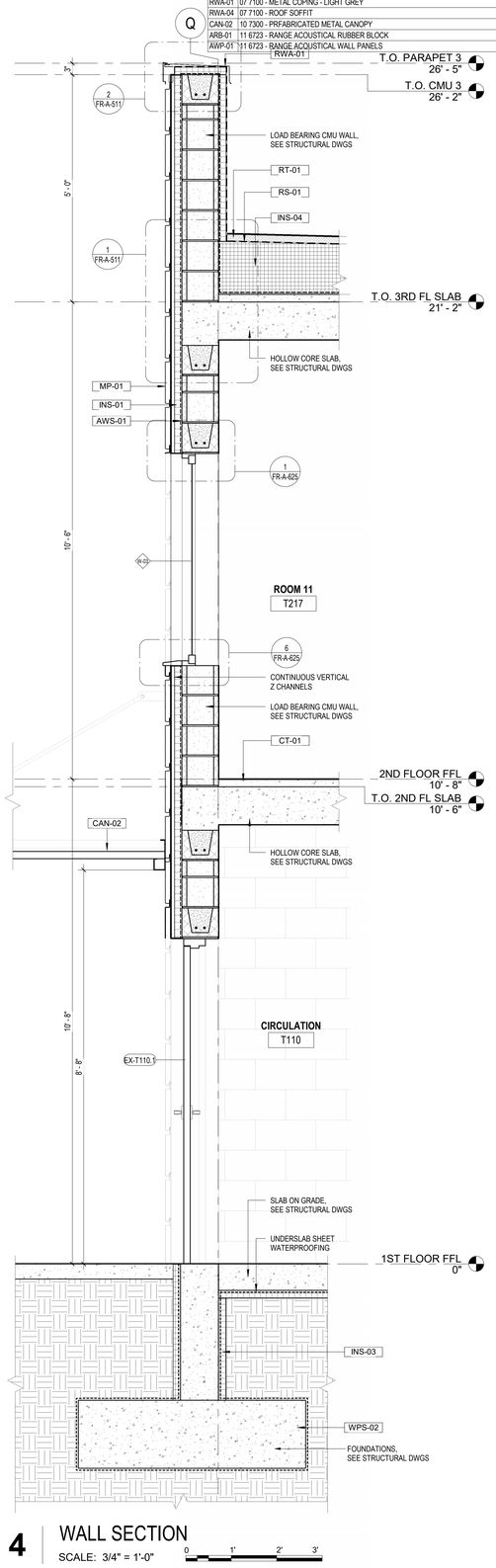
1 WALL SECTION
SCALE: 3/4" = 1'-0"



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



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



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

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
CT-01	03 3500 - CONCRETE TOPPING
WPS-02	07 1326 - FOUNDATION WALL SHEET WATERPROOFING
WPS-01	07 1326 - UNDERSLAB SHEET WATERPROOFING
INS-01	07 2100 - RIGID INSULATION (RAINSCREEN WALL) Poly-Iso
INS-04	07 2100 - ROOF INSULATION -XPS 60 PSI
INS-03	07 2100 - UNDERSLAB XPS BOARD INSULATION
AWS-01	07 2726 - WEATHER-RESISTIVE BARRIER AND AIR BARRIER
MP-01	07 4213.13 - METAL WALL PANELS
MP-02	07 4213.13 - METAL WALL PANELS
RS-01	07 5323 - EPDM ROOF
RT-01	07 5323 - RUBBER PAVERS
RWA-01	07 7100 - METAL COPING - LIGHT GREY
RWA-04	07 7100 - ROOF SOFFIT
CAN-02	10 7300 - PREFABRICATED METAL CANOPY
ARB-01	11 6723 - RANGE ACOUSTICAL RUBBER BLOCK
AWP-01	11 6723 - RANGE ACOUSTICAL WALL PANELS

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

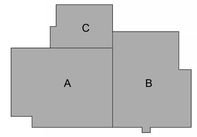
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS		
NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

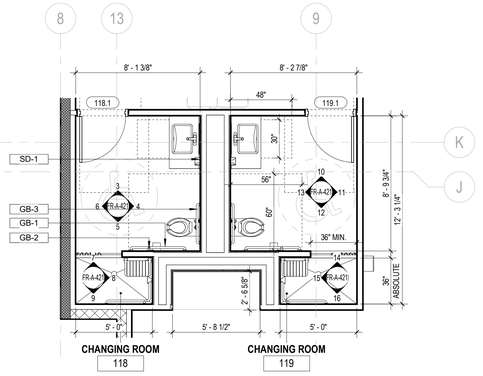
WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON, WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:
WALL SECTIONS

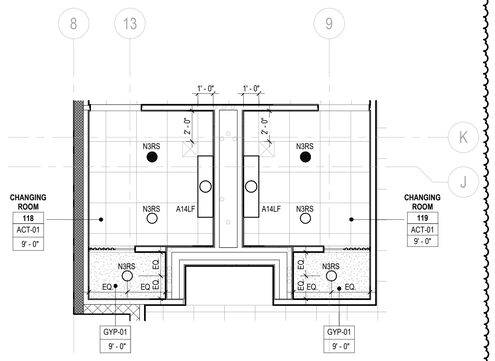
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME

DRAWING NUMBER:
FR-A-311



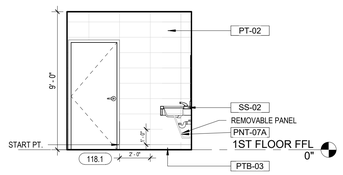
1 CHANGING ROOMS 118 & 119 - ENLARGED PLAN

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



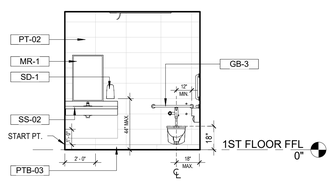
2 CHANGING ROOMS 118 & 119 - ENLARGED RCP PLAN

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



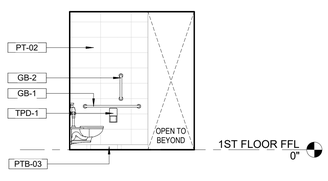
3 CHANGING ROOM 118A - ELEVATION NORTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



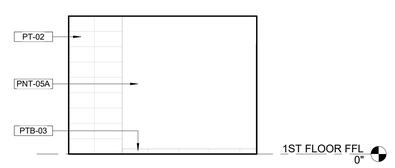
4 CHANGING ROOM 118A - ELEVATION EAST

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



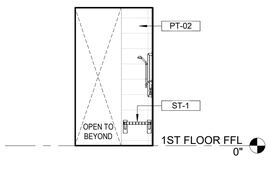
5 CHANGING ROOM 118A - ELEVATION SOUTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



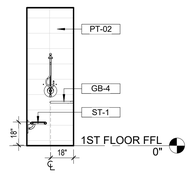
6 CHANGING ROOM 118A - ELEVATION WEST

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



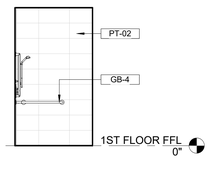
7 CHANGING ROOM 118B - ELEVATION NORTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



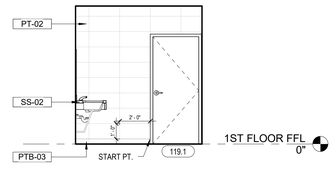
8 CHANGING ROOM 118B - ELEVATION EAST

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



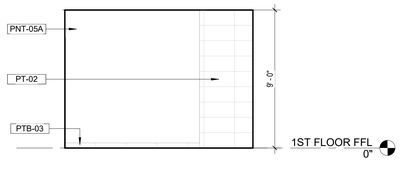
9 CHANGING ROOM 118B - ELEVATION SOUTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



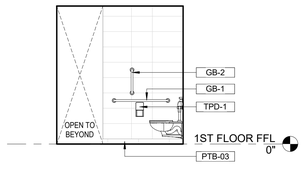
10 CHANGING ROOM 119A - ELEVATION NORTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



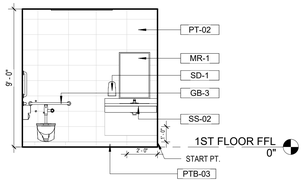
11 CHANGING ROOM 119A - ELEVATION EAST

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



12 CHANGING ROOM 119A - ELEVATION SOUTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



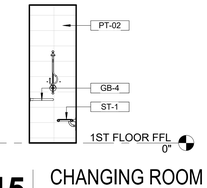
13 CHANGING ROOM 119A - ELEVATION WEST

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



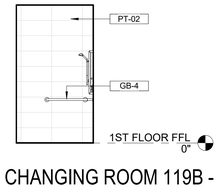
14 CHANGING ROOM 119B - ELEVATION NORTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



15 CHANGING ROOM 119B - ELEVATION WEST

SCALE: 1/4" = 1'-0" 0 2' 4' 8'



16 CHANGING ROOM 119B - ELEVATION SOUTH

SCALE: 1/4" = 1'-0" 0 2' 4' 8'

KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
SS-02	06 2200 - COUNTERTOP 24" D
PTB-03	09 3100 - PORCELAIN TILE BASE
PNT-05A	09 9100 - PAINT - DARK BLUE - EGGSHELL
PNT-07A	09 9100 - PAINT - DARK GRAY - EGGSHELL
ST-1	10 2813 - ADA SHOWER SEAT
MR-1	10 2813 - FRAMED MIRROR
GB-2	10 2813 - GRAB BAR - 18"
GB-3	10 2813 - GRAB BAR - 36"
GB-1	10 2813 - GRAB BAR - 42"
GB-4	10 2813 - L-SHAPED GRAB BAR
TPD-1	10 2813 - SINGLE-SIDED TOILET TISSUE DISPENSER
SD-1	10 2813 - SOAP DISPENSER

GENERAL NOTES

1. ALL PENETRATIONS THROUGH RATED WALL ASSEMBLIES ARE TO HAVE A FIRESTOP ASSEMBLY SYSTEM TO MATCH THE RATING OF THE WALL.
2. THE NUMBER, SIZE AND LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIER.
3. ALL DOORS TO BE INSTALLED 4" ON HINGE SIDE FROM PERPENDICULAR PARTITIONS UNO
4. FLOOR PLANS ARE CUT 4'-0" AFF TYPICAL.
5. INTERIOR LAYOUT DIMENSIONS ARE SHOWN TO FINISHED FACE OF GWB UNO
6. PROVIDE SUPPLEMENTAL FRAMING, BLOCKING AND BRACING WHERE REQUIRED FOR WALL MOUNTED FIXTURES AND EQUIPMENT AT GWB WALL.
7. ALL PENETRATIONS THROUGH CMU WALLS ARE TO BE ACOUSTICALLY SEALED PER DETAIL 6/FR-A-560
8. REFER TO FR-G-003 FOR MOUTING HEIGHTS.

LEGEND

WALL DESIGNATIONS

- CMU WALL
- CMU WALL, FULLY GROUTED
- STRUCTURAL WALL, LOAD BEARING, SEE STRUCTURAL DWGS
- STRUCTURAL WALL, LOAD BEARING, FULLY GROUTED, SEE STRUCTURAL DWGS

FIRE RATING

- FIRE RATING 1 HOUR
- FIRE RATING 2 HOUR

REFLECTED CEILING LEGEND

- 2'x2' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE
- 1'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
- 1'x4' EMERGENCY RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
- 6'x4' STRIP OR TURRET LIGHT FIXTURE, SURFACE MOUNTED
- 6'x4' EMERGENCY STRIP OR TURRET LIGHT FIXTURE, SURFACE MOUNTED
- 6'x4' STRIP OR TURRET LIGHT FIXTURE, PENDANT MOUNTED
- 6'x4' EMERGENCY STRIP OR TURRET LIGHT FIXTURE, PENDANT MOUNTED
- 6'x4' LINEAR LIGHT FIXTURE, WALL MOUNTED
- 6'x4' EMERGENCY LINEAR LIGHT FIXTURE, WALL MOUNTED
- WALL SCONCE LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE
- RECESSED OR SURFACE MOUNTED ROUND DOWNLIGHT LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE • WALL WASHER AND DIRECTION OF LIGHT DISTRIBUTION
- RECESSED OR SURFACE MOUNTED SQUARE DOWNLIGHT LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE • WALL WASHER AND DIRECTION OF LIGHT DISTRIBUTION
- RECESSED OR SURFACE MOUNTED RECTANGULAR DOWNLIGHT LIGHT FIXTURE/EMERGENCY LIGHT FIXTURE • WALL WASHER AND DIRECTION OF LIGHT DISTRIBUTION
- SUPPLY OR FRESH AIR DUCT
- RETURN OR EXHAUST AIR DUCT
- EXIT SIGN WALL MOUNTED
- EXIT SIGN CEILING MOUNTED
- SPEAKER CEILING MOUNTED
- PUBLIC ADDRESS SPEAKER HORN
- AUTOMATIC HEAT DETECTOR CEILING MOUNTED
- SMOKE DETECTOR CEILING MOUNTED
- VIDEO SURVEILLANCE CAMERA CEILING MOUNTED
- VIDEO SURVEILLANCE CAMERA WALL MOUNTED
- PROJECTOR
- COMBINATION AUDIBLE/VISUAL NOTIFICATION APPLIANCE WALL MOUNTED
- JUNCTION BOX

CEILING FINISHES

	ACT-01	2x2 ACOUSTIC CEILING TILES
	GYP-01	GYPSUM BOARD CEILING / SOFFIT
	EXP	EXPOSED CEILING UNO
	NBC-01	2x8 RANGE ACOUSTIC NON-BALLISTIC CEILING
	BSC-01	2x8 BALLISTIC SAFETY / BAFFLE CEILING
	MBF-01	METAL BAFFLE CEILING

REFLECTED CEILING NOTES

1. RCPS ARE CUT 6' - 0" AFF TYP.
2. ALL CEILING HEIGHTS ARE AS INDICATED ON RCP
3. ALL DIFFUSERS, REGISTERS AND GRILLES ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
4. ALL PLUMBING FIXTURES, SPRINKLERS, FHCS, AND STANDPIPES AND RELATED EQUIPMENT ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
5. ALL LIGHTS, LIGHTING CONTROL DEVICES, FIRE ALARM DEVICES, AVIIT AND SECURITY DEVICES ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
6. REFER TO ELECTRICAL, IT DRAWINGS AND LIGHTING FIXTURE SCHEDULE FOR LIGHTING INFORMATION.
7. REFER TO ELECTRICAL, AV, IT, AND SECURITY DOCUMENTS FOR FURTHER INFORMATION ABOUT CEILING MOUNTED DEVICES.
8. ALL FIXTURES LOCATED WITHIN ACT TILE TO BE CENTERED WITHIN TILE.
9. REFER TO MECHANICAL DRAWINGS FOR HVAC DIFFUSER INFORMATION.
10. IT AND MEP SYSTEM LAYOUTS, SEAM LOCATIONS, HANGER DETAILS AND LOCATIONS SHOULD TO BE COORDINATED ON SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ARCHITECT.
11. ALL DUCTWORKS AND CONDUITS IN EXPOSED CEILINGS SHOULD BE FREE OF MARKINGS, TAGS, STICKERS AND IMPERFECTIONS. WHERE EXPOSED CEILING IS PAINTED, PROVIDE WITH A FINISH TO BE COMPATIBLE WITH A FINAL PAINT COATING ON SITE.
12. DUCTWORKS IN EXPOSED CEILINGS SHOULD HAVE INTERNAL ACOUSTICAL AND THERMAL LINING AND NO EXTERNAL INSULATION.
13. ALL EXPOSED MEP ELEMENTS AND ACCESSORIES SHOULD HAVE A FINAL PAINT COAT ON SITE.
14. ALL CEILING HEIGHTS ARE AS INDICATED ON RCP. CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR ELEVATION.
15. START POINT OF CEILING GRID SHALL BE CENTER OF TILE EQUALS CENTER OF ROOM UNO.
16. ALL LIGHT FIXTURES OF SAME TYPE IN SAME SPACE SHALL ALIGN UNO.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

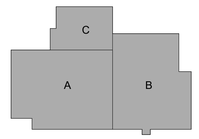
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

CHANGING RM 118/119 - ENLARGED PLANS/ELEVATIONS

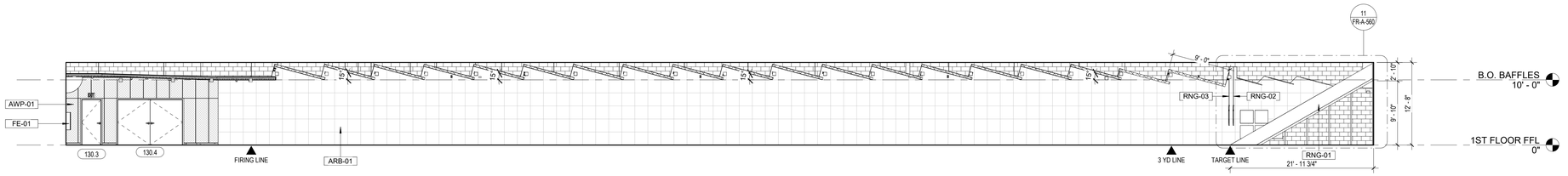
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-421

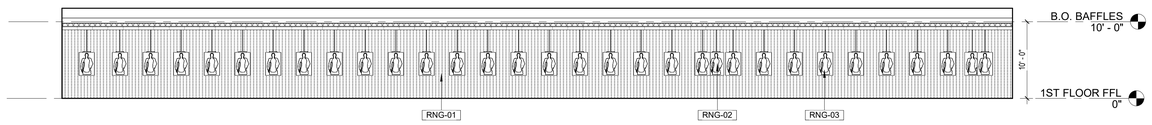
KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
FE-01	10 4400 - WALL MOUNTED FIRE EXTINGUISHER
RNG-03	11 6723 - LATERAL TARGET TURNERS
NBC-01	11 6723 - RANGE ACOUSTICAL NON-BALLISTIC CEILING
ARB-01	11 6723 - RANGE ACOUSTICAL RUBBER BLOCK
AWP-01	11 6723 - RANGE ACOUSTICAL WALL PANELS
BSC-01	11 6723 - RANGE CEILING BAFFLES
RNG-01	11 6723 - RUBBER BERM TRAP
RNG-02	11 6723 - RUNNING MAN TARGETS



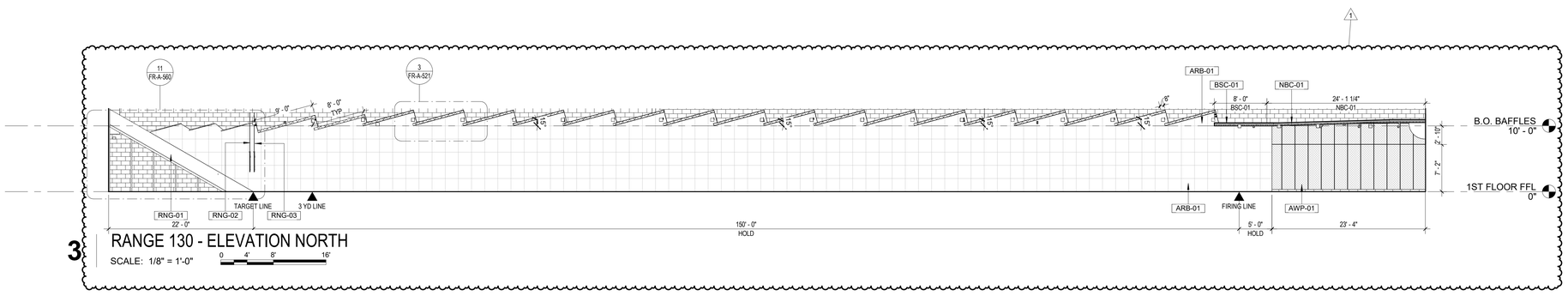
1 RANGE 130 - ELEVATION SOUTH

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



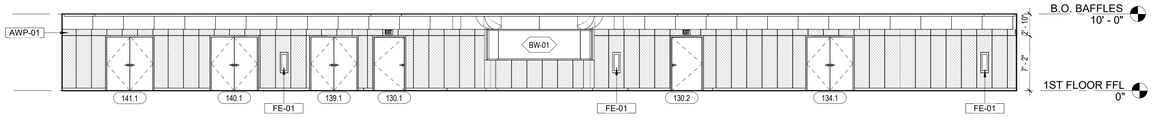
2 RANGE 130 - ELEVATION WEST

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



3 RANGE 130 - ELEVATION NORTH

SCALE: 1/8" = 1'-0" 0 4' 8' 16'



4 RANGE 130 - ELEVATION EAST

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

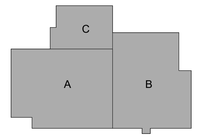
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

RANGE 130 - ENLARGED ELEVATIONS

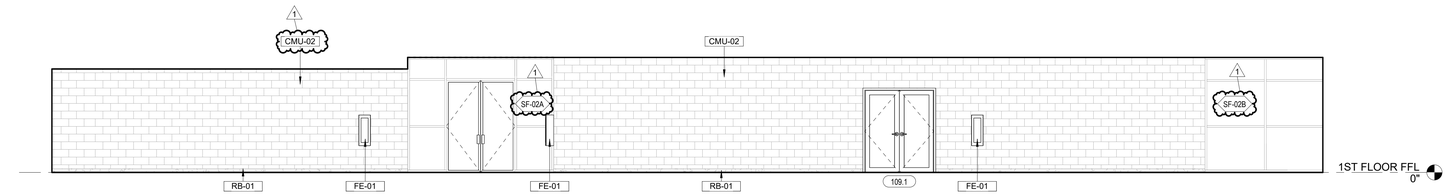
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-430

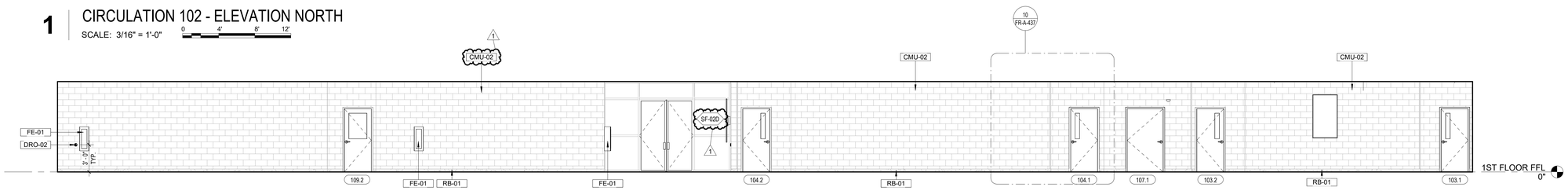
KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
CMU-02	04 2200 - CONCRETE MASONRY UNIT, 8" X 16" X 8" - GLAZED, WHITE
DRO-02	08 7113 - ADA AUTOMATIC DOOR OPENER - WALL MOUNTED
MBF-01	09 5100 - ACOUSTIC BAFFLE CEILING 6" SPACING
RB-01	09 6500 - RUBBER BASE
EP-06E	09 9100 - PAINT - BLACK - EGGSHELL
EP-06D	09 9100 - PAINT - BLACK - SEMI-GLOSS
PNT-05A	09 9100 - PAINT - DARK BLUE - EGGSHELL
PNT-02A	09 9100 - PAINT - LIGHT GRAY - EGGSHELL
PNT-03A	09 9100 - PAINT - MEDIUM GRAY - EGGSHELL
PNT-01A	09 9100 - PAINT - OFF WHITE - EGGSHELL
FE-01	10 4400 - WALL MOUNTED FIRE EXTIGUISHER



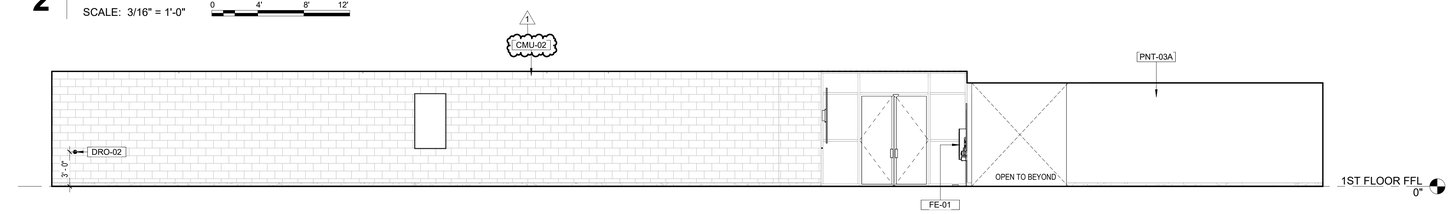
1 CIRCULATION 102 - ELEVATION NORTH

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



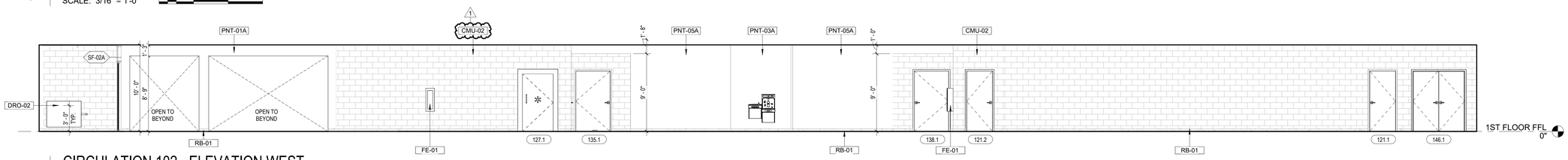
2 CIRCULATION 102 - ELEVATION EAST

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



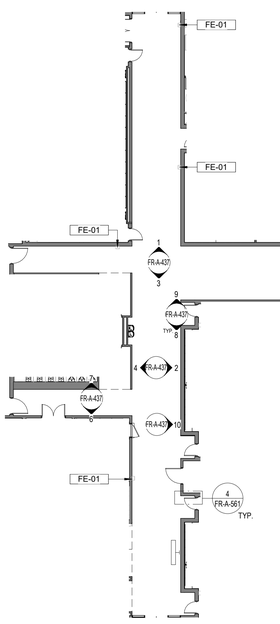
3 CIRCULATION 102 - ELEVATION SOUTH

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



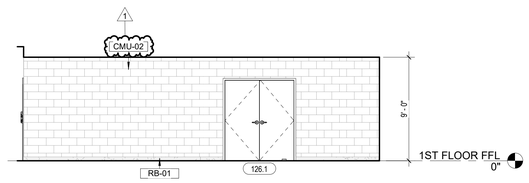
4 CIRCULATION 102 - ELEVATION WEST

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



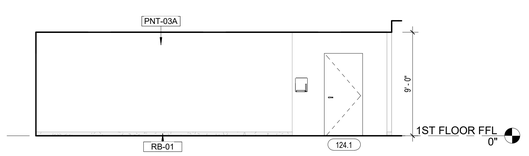
5 KEY PLAN - CIRCULATION 102

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



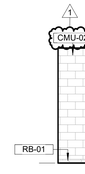
6 CIRCULATION 102 - ELEVATION SOUTH 2

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



7 CIRCULATION 102 - ELEVATION NORTH 2

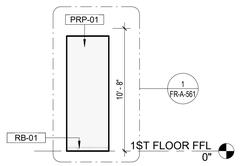
SCALE: 3/16" = 1'-0"



TYP. SOUTH ELEVATION OF ENTRANCE FROM CIRCULATION TO CLASSROOM

8 CIRCULATION 102 - ELEV SOUTH 3

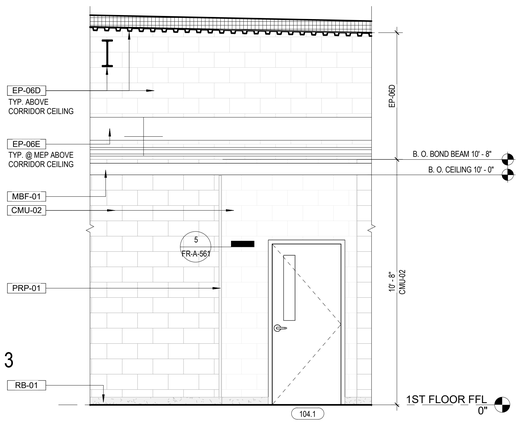
SCALE: 3/16" = 1'-0"



TYP. NORTH ELEVATION OF ENTRANCE FROM CIRCULATION TO CLASSROOM

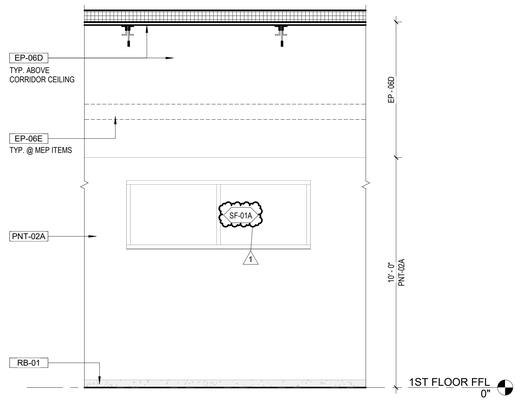
9 CIRCULATION 102 - ELEV NORTH 3

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



10 CIRCULATION 102 - TYPICAL FINISH DIAGRAM

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



11 VESTIBULE 120 - TYPICAL FINISH DIAGRAM

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

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

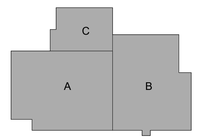
HDR

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1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

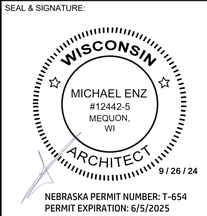
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ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

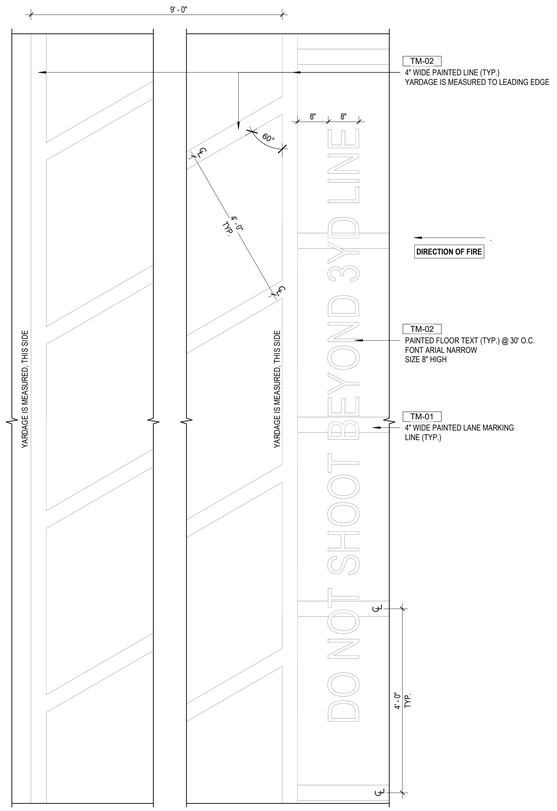
DRAWING TITLE:

CIRCULATION 102 - ENLARGED ELEVATIONS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME

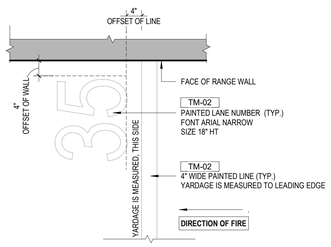
DRAWING NUMBER:

FR-A-437



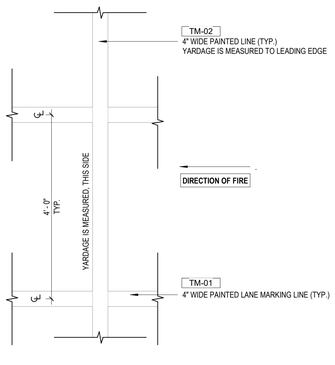
1 TYP. FLOOR MARKING - TARGET LINE

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



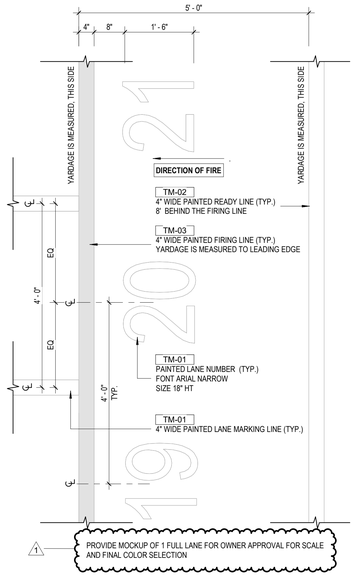
2 TYP. FLOOR MARKING - MID NUMBER

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



3 TYP. FLOOR MARKING - MID LINE

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

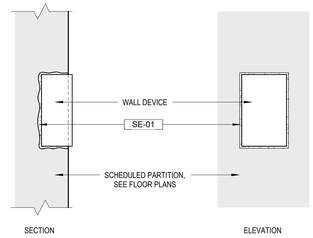


4 TYP. FLOOR MARKING - FIRING LINE

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

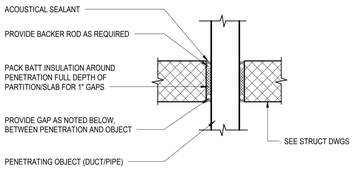
KEY VALUE	DESCRIPTION
TM-03	07 1800 - TRAFFIC MARKING - RED
TM-01	07 1800 - TRAFFIC MARKING - WHITE
TM-02	07 1800 - TRAFFIC MARKING - YELLOW
RNG-03	11 6723 - LATERAL TARGET TURNERS
NBC-01	11 6723 - RANGE ACOUSTICAL NON-BALLISTIC CEILING
ARB-01	11 6723 - RANGE ACOUSTICAL RUBBER BLOCK
AWP-01	11 6723 - RANGE ACOUSTICAL WALL PANELS
BSC-01	11 6723 - RANGE CEILING BAFFLES
RNG-01	11 6723 - RUBBER BERM TRAP
RNG-02	11 6723 - RUNNING MAN TARGETS
SE-01	13 4813 - ACOUSTICAL OUTLET SEALANT

KEYNOTE LEGEND



5 OUTLET ACOUSTICAL SEALANT DETAIL

SCALE: 3" = 1'-0"

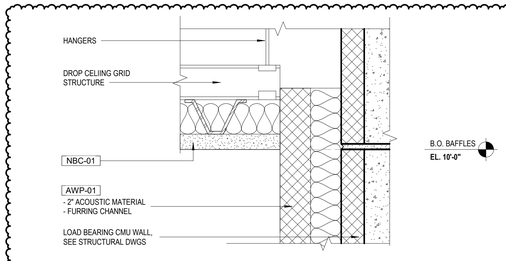


NOTE:
THIS DETAIL APPLIES TO ALL PENETRATIONS THROUGH CMU WALLS

GAP NOTES:
1. FRAME AROUND PENETRATIONS THAT INTERRUPT STUDS WITH 1" NOMINAL GAP AROUND PENETRATING ELEMENT
2. HOLD CONC/CMU/GYPSUM BOARD 1/4" CLEAR OF PENETRATING ELEMENTS LESS THAN 3"Ø.
3. HOLD CONC/CMU/GYPSUM BOARD 1" +/- 1/4" CLEAR OF PENETRATING ELEMENTS > 3"Ø AND ALL DUCT

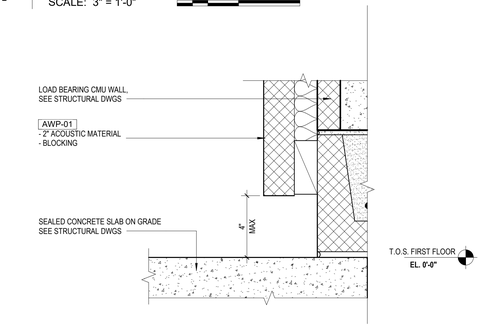
6 TYP. ACOUSTICAL PENETRATION DETAIL

SCALE: 1" = 1'-0"



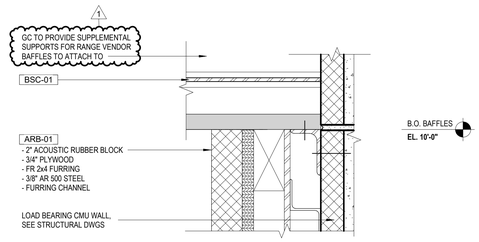
7 RANGE WALL W/ ACOUSTIC FINISH TO CELING DETAIL

SCALE: 3" = 1'-0"



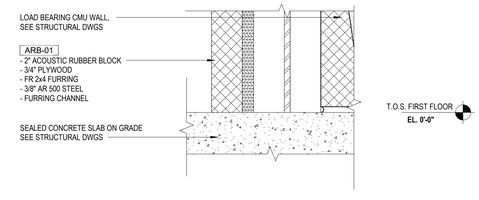
8 RANGE WALL W/ ACOUSTIC FINISH BASE DETAIL

SCALE: 3" = 1'-0"



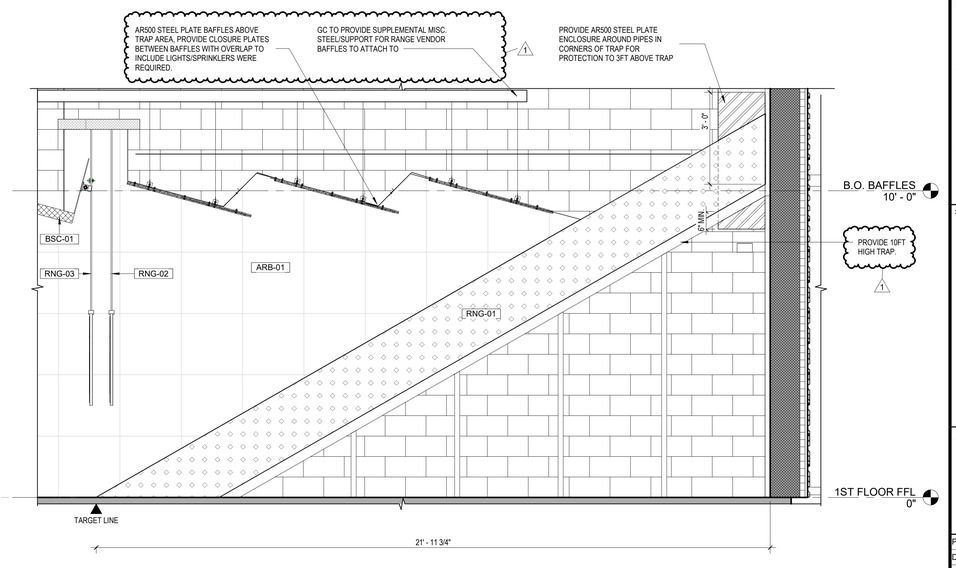
9 RANGE WALL W/ BALLISTIC RUBBER FINISH TO CEILING DETAIL

SCALE: 3" = 1'-0"



10 RANGE WALL W/ BALLISTIC RUBBER FINISH BASE DETAIL

SCALE: 3" = 1'-0"



11 RUBBER BERM TRAP DETAIL

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

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

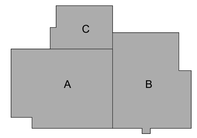
ENGINEERS OF RECORD:

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON,
WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

RANGE DETAILS

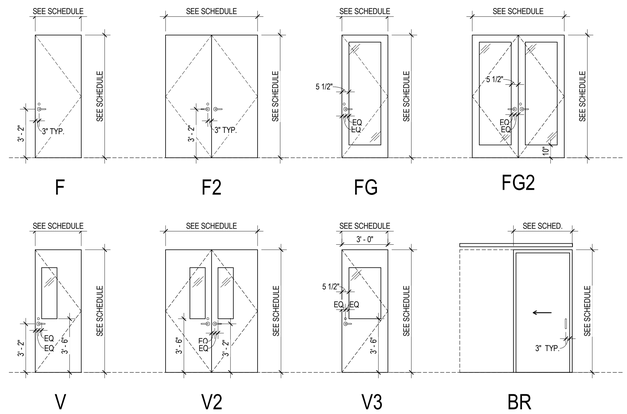
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

FR-A-560

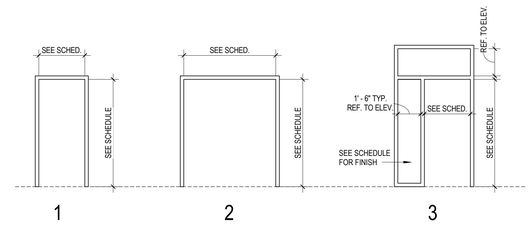
DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR						FIRE-RATING	ACOUSTIC RATING	HARDWARE SET	FRAME		FRAME				COMMENTS
		DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR WIDTH	DOOR HEIGHT	EXTERIOR /INTERIOR				FRAME TYPE	FRAME MATERIAL	FRAME FINISH	JAMB	HEAD	SILL	
EX-120.1	VESTIBULE	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			14	2	HM	EP-07B	J1	H1	S1	
EX-120.2	VESTIBULE	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			14	2	HM	EP-07B	J1	H1	S1	
EX-130.3	RANGE	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			1	1	HM	EP-07B	J6	H6	S6	
EX-131.1	VEHICLE VESTIBULE	F2	HM	EP-07B	10'-0"	7' - 0"	EXTERIOR			4	2	HM	EP-07B	J1	H1	S1	
EX-131.2	VEHICLE VESTIBULE	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			5	1	HM	EP-07B	J1	H1	S1	
EX-133.1	AMMUNITION STORAGE	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			25	2	HM	EP-07B	J1	H1	S1	
EX-142.1	IDF	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			2	2	HM	EP-07B	J1	H1	S1	
EX-142.2	ELECTRICAL	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			2	2	HM	EP-07B	J1	H1	S1	
EX-143.1	FIRE PROTECTION	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			3	2	HM	EP-07B	J1	H1	S1	
EX-145.1	AIR HANDELING UNIT	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			3	2	HM	EP-07B	J1	H1	S1	
EX-T101.1	CIRCULATION	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			35	2	HM	EP-07B	J1	H1	S1	
EX-T102.1	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			1	1	HM	EP-07B	J1	H1	S1	
EX-T109.1	MECHANICAL	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			2	2	HM	EP-07B	J1	H1	S1	
EX-T110.1	CIRCULATION	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			35	2	HM	EP-07B	J1	H1	S1	
EX-T113.3	ROOM 5	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			36	1	HM	EP-07B	J1	H1	S1	
EX-T116.2	ROOM 7	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			36	1	HM	EP-07B	J1	H1	S1	
EX-T117.2	ROOM 8	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			3	2	HM	EP-07B	J1	H1	S1	
EX-T118.1	ROOM 9	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			3	2	HM	EP-07B	J1	H1	S1	
EX-T119.1	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			34	1	HM	EP-07B	J1	H1	S1	
EX-T119.2	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			33	1	HM	EP-07B	J1	H1	S1	
EX-T202.1	CIRCULATION	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			39	1	HM	EP-07B	J1	H1	S1	
EX-T301.1	CIRCULATION	F2	HM	EP-07B	6'-0"	7' - 0"	EXTERIOR			41	2	HM	EP-07B	J1	H1	S1	
EX-T304.1	STOR.	F	HM	EP-07B	3'-0"	7' - 0"	EXTERIOR			42	1	HM	EP-07B	J1	H1	S1	
103.1	CLASSROOM	V1	WD		3'-0"	7' - 0"	INTERIOR		STC 50	19	1	HM	EP-07B	J2	H2	S2	
103.2	CLASSROOM	V1	WD		3'-0"	7' - 0"	INTERIOR		STC 50	19	1	HM	EP-07B	J2	H2	S2	
104.1	CLASSROOM	V1	WD		3'-0"	7' - 0"	INTERIOR		STC 50	19	1	HM	EP-07B	J2	H2	S2	
104.2	CLASSROOM	V1	WD		3'-0"	7' - 0"	INTERIOR		STC 50	19	1	HM	EP-07B	J2	H2	S2	
105.1	CLASSROOM & A.V. STORAGE	J	WD		4'-0"	7' - 0"	INTERIOR			18	1	HM	EP-07B	J2	H2	S2	
106.1	CLASSROOM & A.V. STORAGE	J	WD		4'-0"	7' - 0"	INTERIOR			18	1	HM	EP-07B	J2	H2	S2	
107.1	ELECTRICAL CLOSET	F	HM	EP-07B	4'-0"	7' - 0"	INTERIOR		STC 50	20	1	HM	EP-07B	J2	H2	S2	
109.1	CUBICLE AREA	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 50	22	2	HM	EP-07B	J2	H2	S2	
109.2	CUBICLE AREA	V3	HM	EP-07B	3'-0"	7' - 0"	INTERIOR		STC 50	21	1	HM	EP-07B	J2	H2	S2	
110.1	CONFERENCE ROOM	F	WD		3'-0"	7' - 0"	INTERIOR			18	3	HM	EP-07B	J3	H3	S2	
111.1	OFFICE	F	WD		3'-0"	7' - 0"	INTERIOR			16	3	HM	EP-07B	J3	H3	S2	
112.1	OFFICE	F	WD		3'-0"	7' - 0"	INTERIOR			16	3	HM	EP-07B	J3	H3	S2	
113.1	OFFICE	F	WD		3'-0"	7' - 0"	INTERIOR			16	3	HM	EP-07B	J3	H3	S2	
114.1	OFFICE	F	WD		3'-0"	7' - 0"	INTERIOR			16	3	HM	EP-07B	J3	H3	S2	
115.1	OFFICE	F	WD		3'-0"	7' - 0"	INTERIOR			16	3	HM	EP-07B	J3	H3	S2	
116.1	OFFICE	F	WD		3'-0"	7' - 0"	INTERIOR			16	3	HM	EP-07B	J3	H3	S2	
117.1	STAFF LOCKERS	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			24	1	HM	EP-07B	J3	H3	S2	
118.1	CHANGING ROOM	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			23	1	HM	EP-07B	J3	H3	S2	
119.1	CHANGING ROOM	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			23	1	HM	EP-07B	J3	H3	S2	
121.1	WEAPONS CLEANING	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		24	1	HM	EP-07B	J2	H2	S2	
121.2	WEAPONS CLEANING	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		24	1	HM	EP-07B	J2	H2	S2	
122.1	WEAPONS CLEANING SUPPLY	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		6	1	HM	EP-07B	J2	H2	S2	
124.1	J.C.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			18	1	HM	EP-07B	J3	H3	S2	
124.2	J.C.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			18	1	HM	EP-07B	J3	H3	S2	
126.1	MDF	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR			10	2	HM	EP-07B	J2	H2	S2	
127.1	WEAPONS VAULT	X	HM	EP-07B	3'-0"	6' - 8"	INTERIOR	90 MIN		26		-	EP-07B	J4	H4	S4	
130.1	RANGE	F	HM	EP-07B	4'-0"	7' - 0"	INTERIOR		STC 55	12	1	BHM	EP-07B	J5	H5	S5	LV8 BULLET RESISTANT
130.2	RANGE	F	HM	EP-07B	4'-0"	7' - 0"	INTERIOR		STC 55	12	1	BHM	EP-07B	J5	H5	S5	LV8 BULLET RESISTANT
130.3	RANGE	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR		STC 55	9	1	HM	EP-07B	J5	H5	S5	LV8 BULLET RESISTANT
130.4	RANGE	F2	HM	EP-07B	10'-0"	7' - 0"	INTERIOR		STC 55	8	2	HM	EP-07B	J5	H5	S5	LV8 BULLET RESISTANT
132.1	BRASS STORAGE	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR			6	2	HM	EP-07B	J2	H2	S2	
133.1	AMMUNITION STORAGE	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 55	10	2	HM	EP-07B	J2	H2	S2	
134.1	TARGET STORAGE	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 55	11	2	HM	EP-07B	J5	H5	S5	
135.1	CIRCULATION	F	HM	EP-07B	4'-0"	7' - 0"	INTERIOR		STC 50	27	1	HM	EP-07B	J2	H2	S2	
136.1	CONTROL ROOM	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			16	1	HM	EP-07B	J3	H3	S2	
136.2	CONTROL ROOM	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			16	1	HM	EP-07B	J3	H3	S2	
138.1	CIRCULATION	F	HM	EP-07B	4'-0"	7' - 0"	INTERIOR		STC 50	27	1	HM	EP-07B	J2	H2	S2	
139.1	RANGE CLEANING ROOM	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 55	11	2	HM	EP-07B	J5	H5	S5	
140.1	TARGET STORAGE	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 55	11	2	HM	EP-07B	J5	H5	S5	
141.1	TARGET STORAGE	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 55	11	2	HM	EP-07B	J5	H5	S5	
146.1	SUPPLY	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR			11	2	HM	EP-07B	J2	H2	S2	
147.1	CIRCULATION	F	HM	EP-07B	4'-0"	7' - 0"	INTERIOR			6	1	HM	EP-07B	J2	H2	S2	
T101.2	CIRCULATION	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR		STC 50	35	2	HM	EP-07B	J2	H2	S2	
T101.3	CIRCULATION	F2	HM	EP-07B	6'-0"	7' - 0"	INTERIOR			40	2	HM	EP-07B	J2	H2	S2	
T102.2	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		31	1	HM	EP-07B	J2	H2	S2	
T103.1	ELEVATOR	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		1	1	HM	EP-07B	J2	H2	S2	
T104.1	STOR.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			28	1	HM	EP-07B	J2	H2	S2	
T105.1	ROOM 3	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			28	1	HM	EP-07B	J2	H2	S2	
T106.1	ROOM 2	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			28	1	HM	EP-07B	J2	H2	S2	
T107.1	ROOM 1	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			28	1	HM	EP-07B	J2	H2	S2	
T108.1	STOR.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			28	1	HM	EP-07B	J2	H2	S2	
T111.1	ROOM 4	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T111.2	ROOM 4	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T111.3	ROOM 4	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T112.1	STOR.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			30	1	HM	EP-07B	J2	H2	S2	
T113.1	ROOM 5	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T113.2	ROOM 5	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T114.1	STOR.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			30	1	HM	EP-07B	J2	H2	S2	
T115.1	ROOM 6	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T115.2	ROOM 6	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T115.3	ROOM 6	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T116.1	ROOM 7	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T116.3	ROOM 7	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T117.1	ROOM 8	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T118.2	ROOM 9	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		31	1	HM	EP-07B	J2	H2	S2	
T118.3	ROOM 9	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T201.1	CIRCULATION	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			38	1	HM	EP-07B	J2	H2	S2	
T203.1	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		38	1	HM	EP-07B	J2	H2	S2	
T204.1	ELEVATOR	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		1	1	HM	EP-07B	J2	H2	S2	
T205.1	ROOM 1	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T205.2	ROOM 1	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T206.1	STOR.	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			30	1	HM	EP-07B	J2	H2	S2	
T207.1	ROOM 2	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T207.2	ROOM 2	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T208.1	ROOM 3	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T208.2	ROOM 3	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T209.1	ROOM 4	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T210.1	ROOM 5	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T210.2	ROOM 5	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T211.1	ROOM 6	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T211.2	ROOM 6	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T212.1	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		38	1	HM	EP-07B	J2	H2	S2	
T213.1	ROOM 7	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T214.1	ROOM 10	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T214.2	ROOM 10	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T215.1	ROOM 8	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T215.2	ROOM 8	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T216.1	ROOM 9	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T216.2	ROOM 9	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T217.1	ROOM 11	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T217.2	ROOM 11	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T218.1	ROOM 12	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T218.2	ROOM 12	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T219.1	ROOM 13	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T219.2	ROOM 13	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T220.1	ROOM 14	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T220.2	ROOM 14	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			29	1	HM	EP-07B	J2	H2	S2	
T221.1	ROOM 15	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR			30	1	HM	EP-07B	J2	H2	S2	
T302.1	STAIRCASE	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		1	1	HM	EP-07B	J2	H2	S2	
T303.1	ELEVATOR	F	HM	EP-07B	3'-0"	7' - 0"	INTERIOR	45 MIN		1	1	HM	EP-07B	J2	H2	S2	



DOOR TYPES

- F - FLUSH DOOR
- F2 - FLUSH DOUBLE DOOR
- FG - FLUSH DOOR WITH FULL GLASS
- FG2 - FLUSH DOUBLE DOOR WITH FULL GLASS
- V - FLUSH DOOR WITH VISION GLASS
- V2 - FLUSH DOUBLE DOOR WITH VISION GLASS
- V3 - FLUSH DOOR WITH CENTER VISION GLASS
- BR - SLIDING DOOR
- SD1 - SCREEN DOOR
- SD2 - SCREEN DOUBLE DOOR



FRAME TYPES

1 - HOLLOW METAL SINGLE
2 - HOLLOW METAL DOUBLE
3 - HOLLOW METAL SINGLE SIDE & UPPER LITE

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

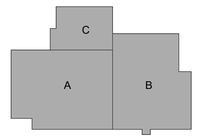
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

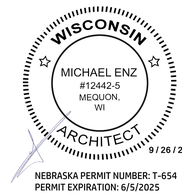
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

DOOR SCHEDULE AND TYPES

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

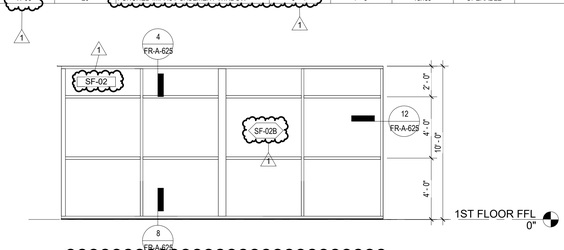
FR-A-610

WINDOW SCHEDULE

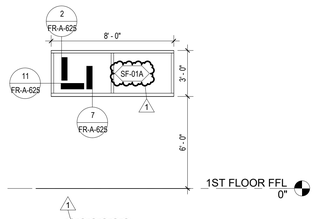
MARK	QTY	DESCRIPTION	W	H	SILL HEIGHT	OPERATION	COMMENTS
BW-01	1	STC 55 / UL LEVEL 8 BALLISTIC WINDOW	SEE PLAN	4' - 0"	4' - 0"	FIXED	BUTT JOINT GLAZING
SF-01A	2	RIBBON WINDOW	8' - 0"	3' - 0"	6' - 0"	FIXED	
SF-01B	1	RIBBON WINDOW	18' - 8"	5' - 0"	4' - 0"	FIXED	
SF-01C	1	RIBBON WINDOW	65' - 4"	5' - 0"	4' - 0"	FIXED	
SF-01D	2	RIBBON WINDOW	34' - 0"	5' - 0"	4' - 0"	FIXED	
SF-01E	1	RIBBON WINDOW	23' - 4"	5' - 0"	4' - 0"	FIXED	
SF-02A	3	STOREFRONT	12' - 8 3/8"	10' - 0"	0"		
SF-02B	1	STOREFRONT	20' - 10 3/4"	10' - 0"	0"		
SF-02C	1	STOREFRONT	14' - 6 3/4"	10' - 0"	0"		
SF-02D	1	STOREFRONT	14' - 1 1/8"	10' - 0"	0"		
W-03	20	PUNCHED IMPACT CASEMENT WINDOW	3' - 4"	4' - 8"	<varies>	OPERABLE	

KEYNOTE LEGEND

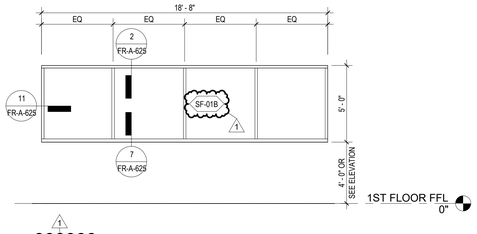
KEY VALUE	DESCRIPTION
SF-02	08 4113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
SF-01	08 4113 - ALUMINUM-FRAMED STOREFRONTS



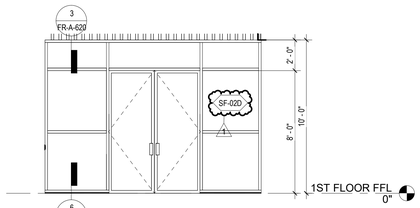
1 SF-02B - STOREFRONT - ELEVATION
SCALE: 1/4" = 1'-0"



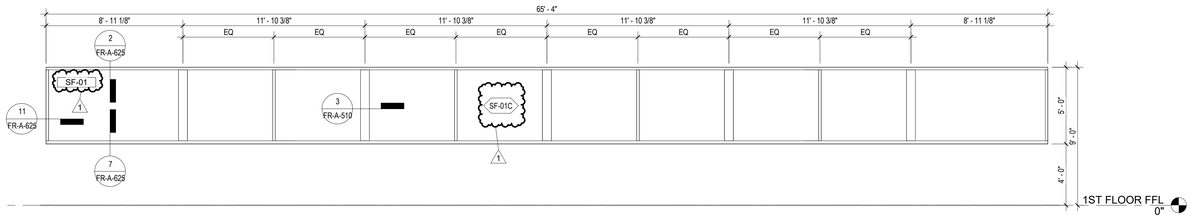
2 SF-01A - RIBBON WINDOW
SCALE: 1/4" = 1'-0"



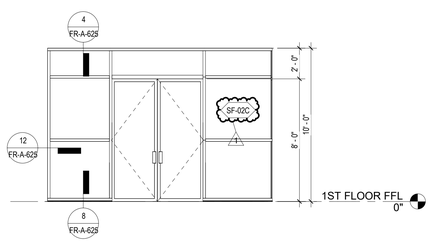
3 SF-01B - RIBBON WINDOW
SCALE: 1/4" = 1'-0"



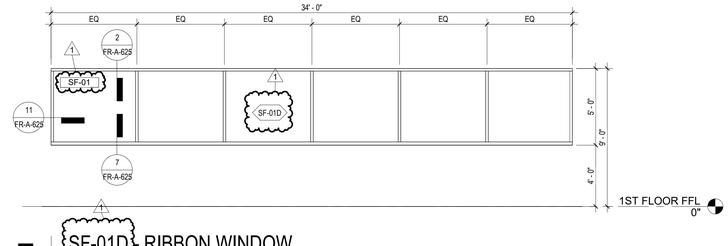
4 SF-02D - STOREFRONT - ELEVATION
SCALE: 1/4" = 1'-0"



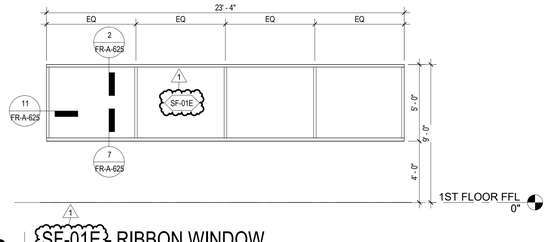
5 SF-01C - RIBBON WINDOW
SCALE: 1/4" = 1'-0"



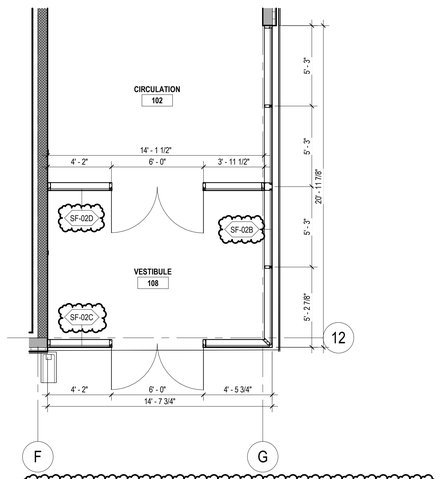
6 SF-02C - STOREFRONT - ELEVATION
SCALE: 1/4" = 1'-0"



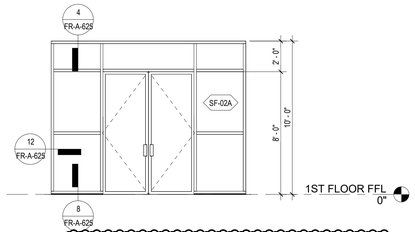
7 SF-01D - RIBBON WINDOW
SCALE: 1/4" = 1'-0"



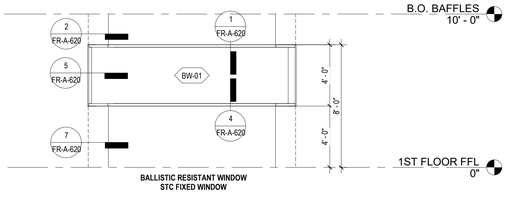
8 SF-01E - RIBBON WINDOW
SCALE: 1/4" = 1'-0"



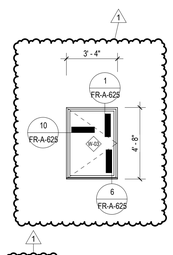
9 SF-02B, SF-02C, SF-02D - STOREFRONT - PLAN
SCALE: 1/4" = 1'-0"



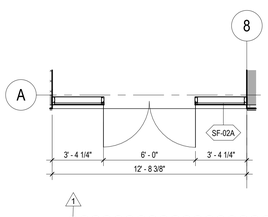
10 SF-02A - STOREFRONT - ELEVATION
SCALE: 1/4" = 1'-0"



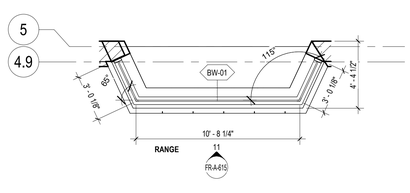
11 BW-01 - INTERIOR WINDOW ELEVATION
SCALE: 1/4" = 1'-0"



12 W-03 PUNCHED WINDOW
SCALE: 1/4" = 1'-0"



13 SF-02A - STOREFRONT - PLAN
SCALE: 1/4" = 1'-0"



14 BW-01 - INTERIOR WINDOW PLAN
SCALE: 1/4" = 1'-0"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

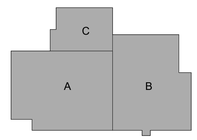
ENGINEERS OF RECORD:

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

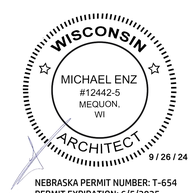
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD,
GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

STOREFRONT & WINDOW TYPES

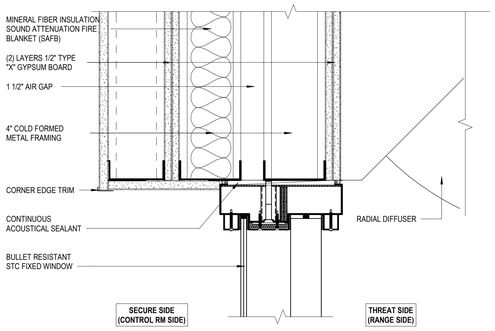
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME
DRAWING NUMBER:	

FR-A-615

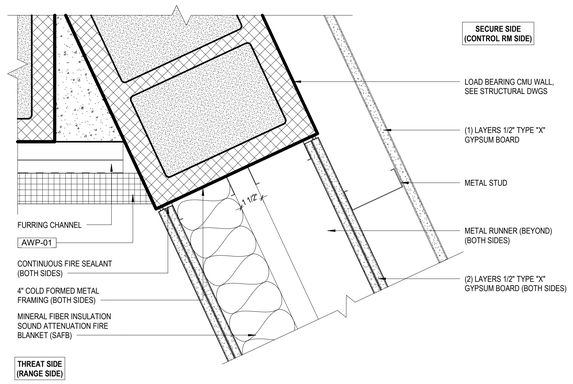
KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
SF-01	08 4113 - ALUMINUM-FRAMED STOREFRONTS
AWP-01	11 6723 - RANGE ACOUSTICAL WALL PANELS

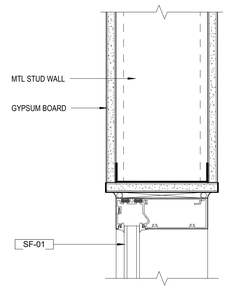




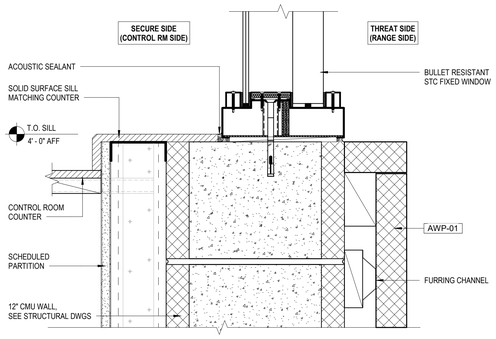
1 CONTROL BOOTH WND HEAD DETAIL
SCALE: 3" = 1'-0" 0 8" 16" 32"



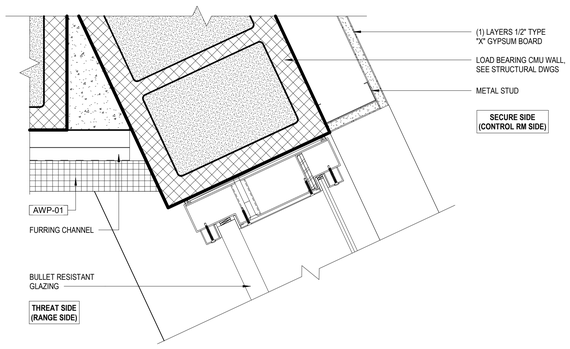
2 ACOUSTIC WALL CONNECTION PLAN DETAIL ABOVE WINDOW
SCALE: 3" = 1'-0" 0 8" 16" 32"



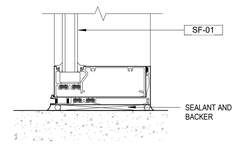
3 INTERIOR STOREFRONT - HEAD DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



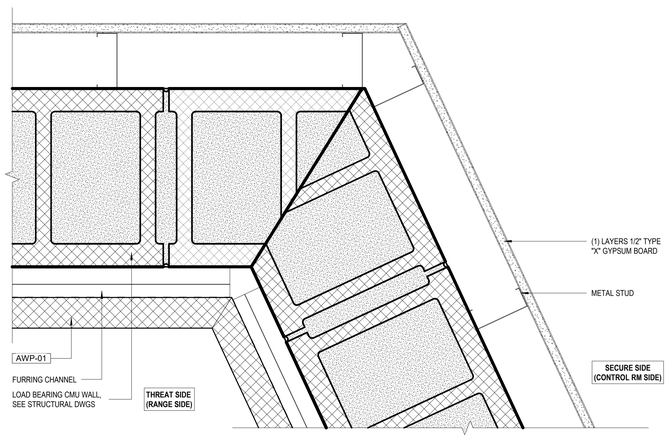
4 CONTROL BOOTH WND SILL DETAIL
SCALE: 3" = 1'-0" 0 8" 16" 32"



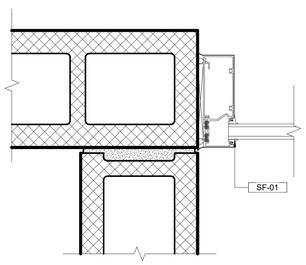
5 CONTROL BOOTH WINDOW JAMB DETAIL
SCALE: 3" = 1'-0" 0 8" 16" 32"



6 INTERIOR STOREFRONT - SILL DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



7 WALL CONNECTION PLAN DETAIL BELOW GLAZING
SCALE: 3" = 1'-0" 0 8" 16" 32"



8 INTERIOR STOREFRONT - JAMB DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

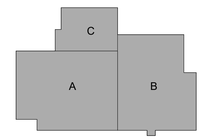
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

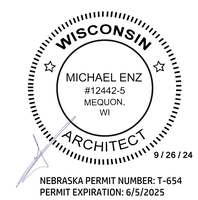
NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:
INTERIOR WINDOW / STOREFRONT DETAILS
1

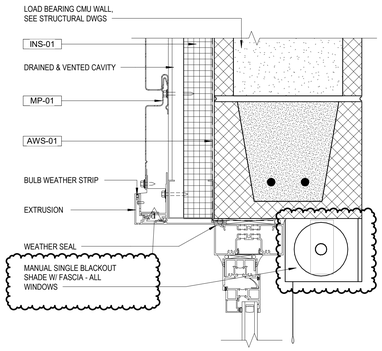
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

DRAWING NUMBER:

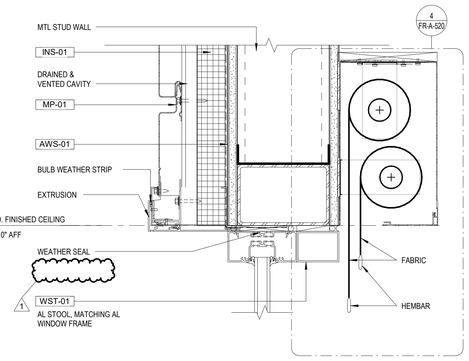
FR-A-620

KEYNOTE LEGEND

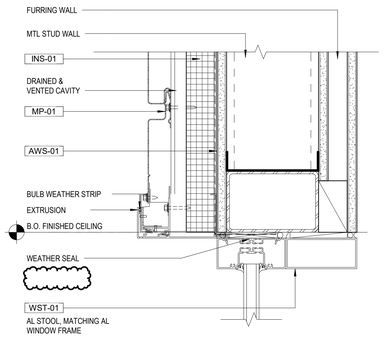
KEY VALUE	DESCRIPTION
WPS-02	07 1326 - FOUNDATION WALL SHEET WATERPROOFING
WPS-01	07 1326 - UNDERSLAB SHEET WATERPROOFING
INS-01	07 2100 - RIGID INSULATION (RAINSCREEN WALL) Poly-Iso
AWS-01	07 2726 - WEATHER-RESISTIVE BARRIER AND AIR BARRIER
MP-01	07 4213.13 - METAL WALL PANELS
WST-01	08 4113 - ALUMINUM WINDOW STOOL / JAMB / HEAD TRIM
ZG-01	Z-GIRT FOR RAINSCREEN FRAMING



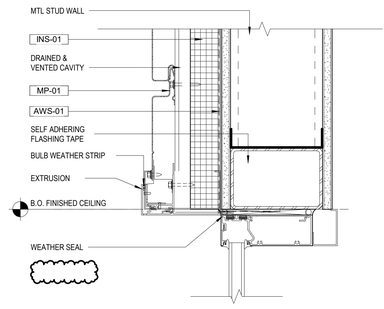
1 WINDOW - HEAD DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



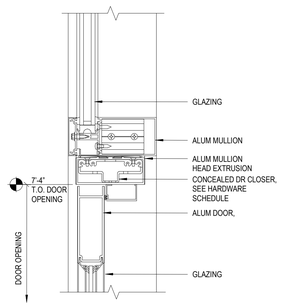
2 RIBBON WINDOW - HEAD DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



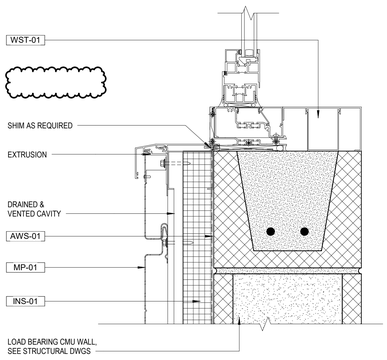
3 RIBBON WINDOW - HEAD DETAIL 2
SCALE: 3" = 1'-0" 0 2" 4" 8"



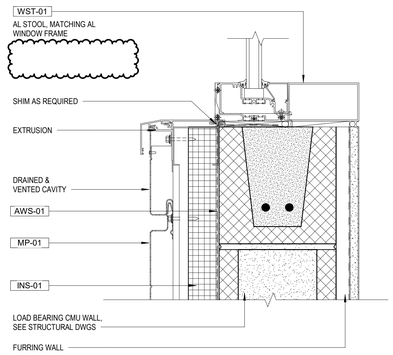
4 STOREFRONT - HEAD DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



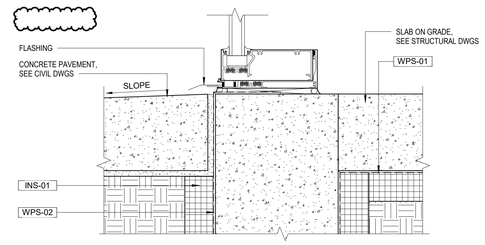
5 METAL PANEL EXTERIOR HEAD
SCALE: 3" = 1'-0" 0 2" 4" 8"



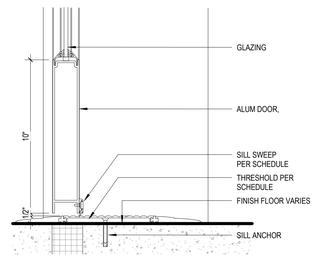
6 WINDOW - SILL DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



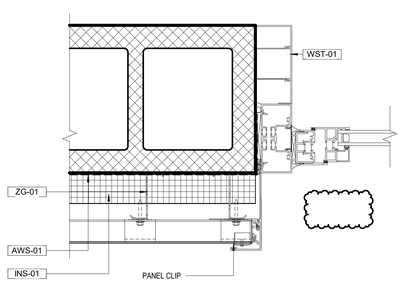
7 RIBBON WINDOW - SILL DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



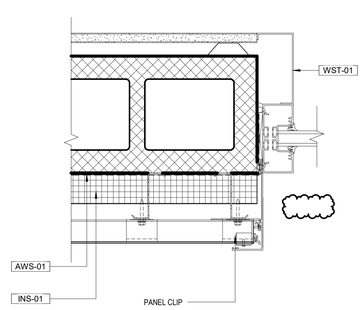
8 STOREFRONT - SILL DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



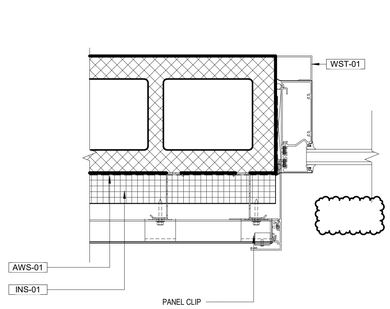
9 STOREFRONT EXTERIOR DOOR SILL
SCALE: 3" = 1'-0" 0 2" 4" 8"



10 WINDOW - JAMB DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



11 RIBBON WINDOW - JAMB DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"



12 STOREFRONT - JAMB DETAIL
SCALE: 3" = 1'-0" 0 2" 4" 8"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

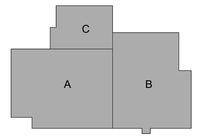
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

WISCONSIN
MICHAEL ENZ
#12442-5
MEQUON, WI
ARCHITECT
9 / 26 / 24

NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

DRAWING TITLE:

EXTERIOR WINDOW / STOREFRONT DETAILS

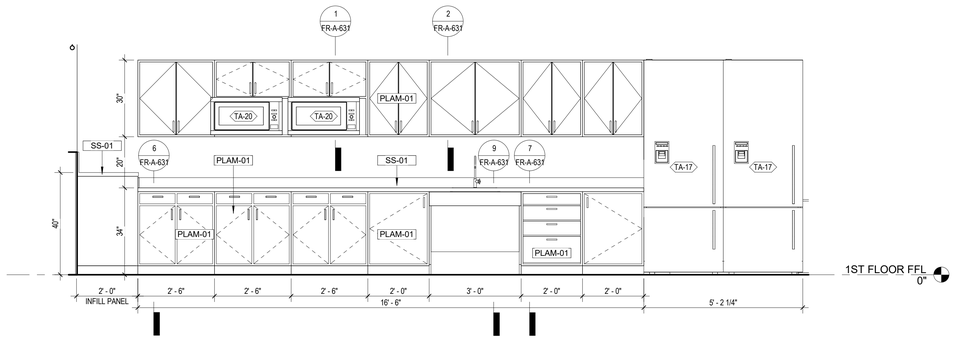
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME

DRAWING NUMBER:

FR-A-625

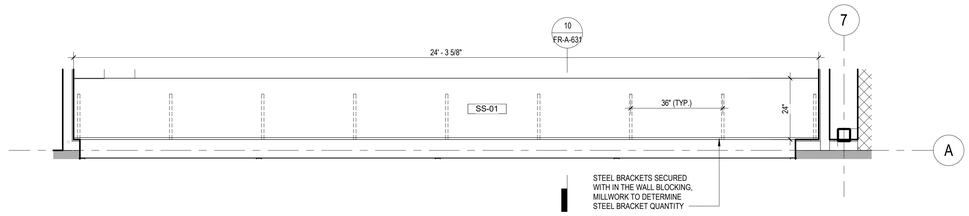
KEYNOTE LEGEND

KEY VALUE	DESCRIPTION
SS-01	06 2200 - COUNTERTOP 24" D
PLAM-01	06 4000 - PLASTIC LAMINATE
ACP-01	09 7723 - ACOUSTIC WALL PANEL
PNT-03A	09 9100 - PAINT - MEDIUM GRAY - EGGSHELL
PNT-01A	09 9100 - PAINT - OFF WHITE - EGGSHELL
CW-01	12 3000 - UNDERCOUNTER CABINET



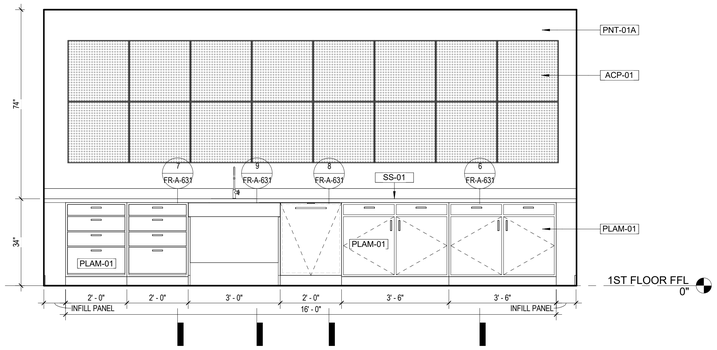
1 BREAK AREA 128 KITCHENETTE

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



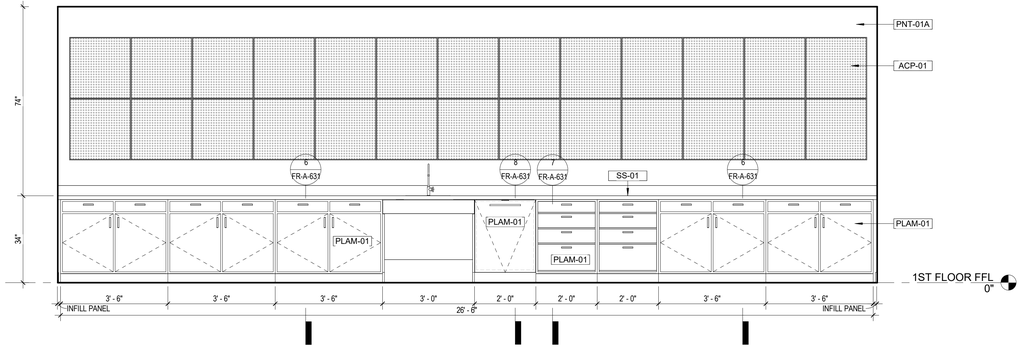
2 BREAK AREA COUNTER - PLAN

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



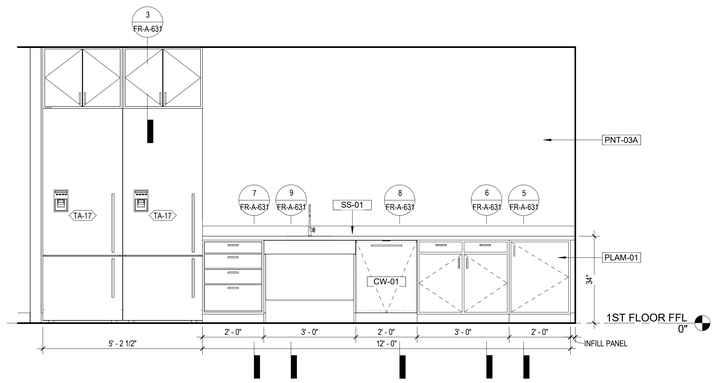
3 CLASSROOM 103 KITCHENETTE

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



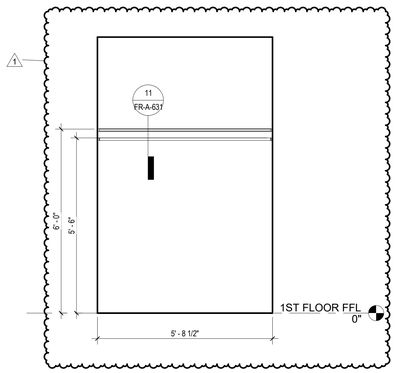
4 CLASSROOM 104 KITCHENETTE

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



5 CUBICLE AREA 111 KITCHENETTE

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



6 CUBICLE AREA 109 CLOSET

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

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

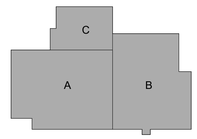
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

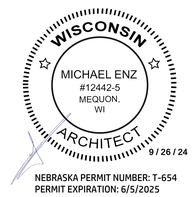
PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



NEBRASKA PERMIT NUMBER: T-654
PERMIT EXPIRATION: 6/5/2025

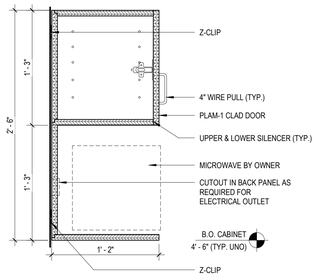
DRAWING TITLE:

MILLWORK DETAILS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN
CHECKED BY:	ME

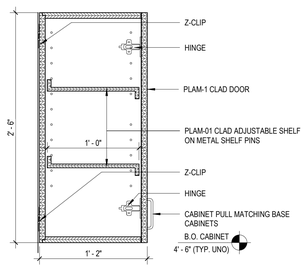
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FR-A-630



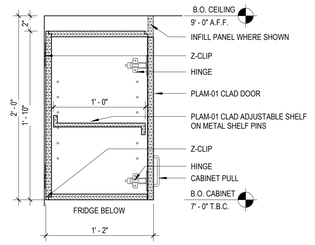
1 SECTION AT MICROWAVE - UPPER CABINET

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"



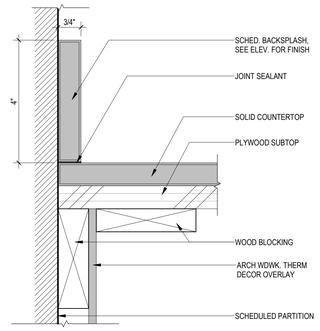
2 UPPER CABINET - SECTION

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"



3 UPPER CABINET - ABOVE FRIDGE

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"



4 BACKSPLASH DETAIL TYP.

SCALE: 6" = 1'-0" 0 2" 4" 8"

5 BASE CABINET - FULL HEIGHT DOOR

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"

6 BASE CABINET - DOOR AND DRAWER

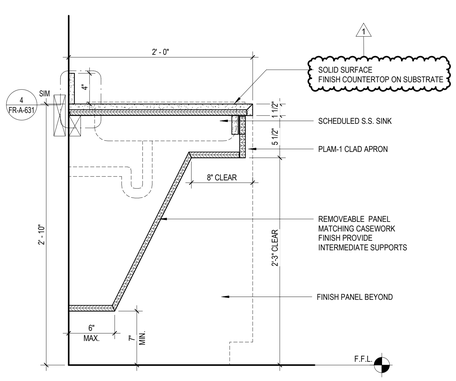
SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"

7 BASE CABINET - MULTIPLE DRAWER

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"

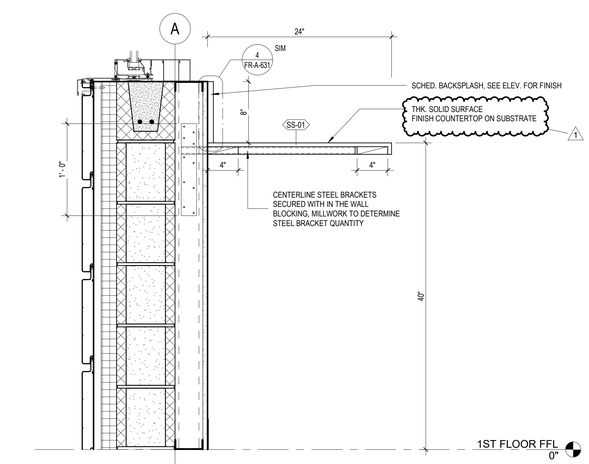
8 BASE CABINET - TRASH

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"



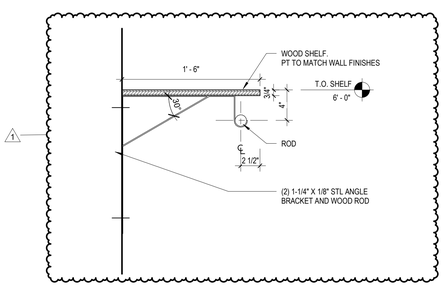
9 BASE CABINET SINK - ADA

SCALE: 1 1/2" = 1'-0" 0 1' 2' 4'



10 BREAK AREA COUNTER - SECTION

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"



11 SHELF AND ROD HANGER

SCALE: 1 1/2" = 1'-0" 0 4" 8" 1'-4"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

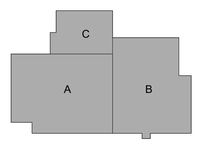
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 2	09/26/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

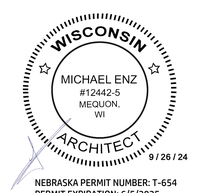
PROJECT:

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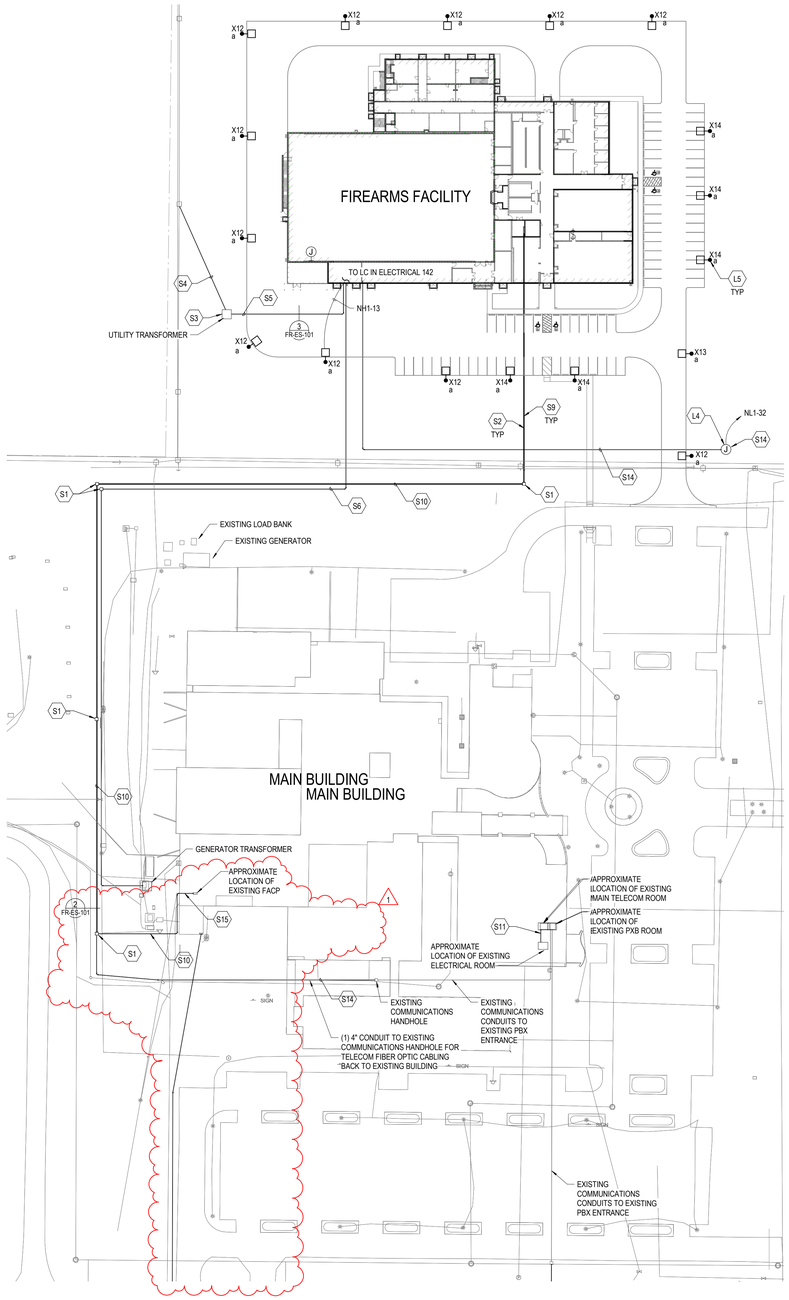
DRAWING TITLE:

MILLWORK DETAILS

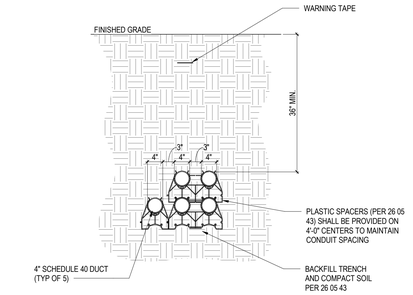
PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	TDN CHECKED BY: ME

DRAWING NUMBER:

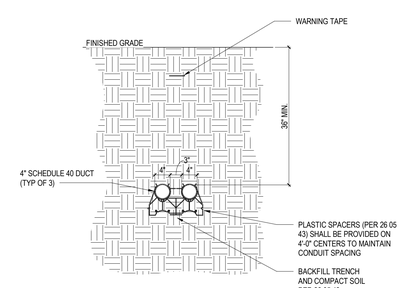
FR-A-631



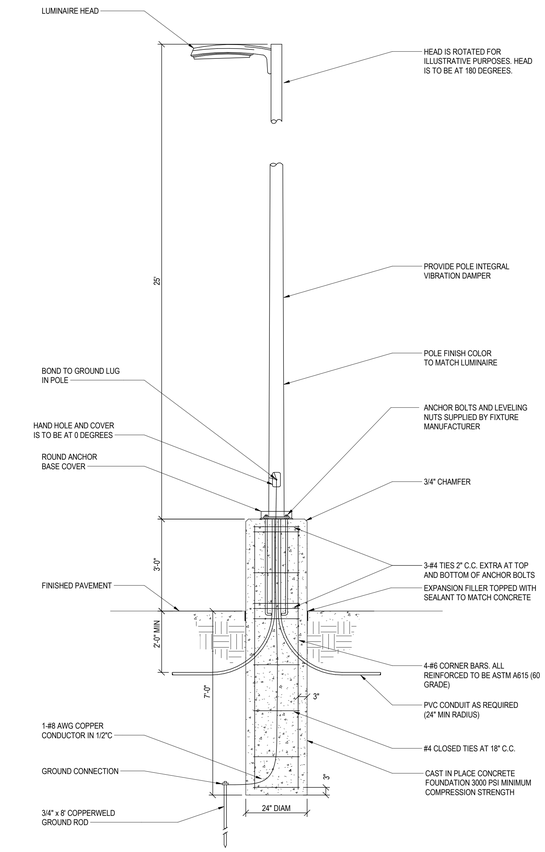
1 ELECTRICAL SITE PLAN - FIREARMS FACILITY - OVERALL
1" = 60'-0"



3 5-WAY DIRECT-BURIED DUCTBANK SECTION
NO SCALE



2 2-WAY DIRECT-BURIED DUCTBANK SECTION
NO SCALE



5 LUMINAIRE TYPE X12, X13, X14 POLE BASE DETAIL
NOT TO SCALE

GENERAL NOTES

A.	REFER TO SHEET E-003.

KEYNOTES - SHEET

L4	ILLUMINATED SIGNAGE SHALL BE CONTROLLED ON CONTROL SEQUENCE X.1 ZONE D. COORDINATE WITH SIGNAGE MANUFACTURER.
L5	REFER TO SHEET FR-ES-101 DETAIL 5 FOR LIGHT POLE BASE DETAIL. VERIFY WITH MANUFACTURER SPECIFICATION AND INSTALLATION GUIDE. VERIFY WITH TRADES.
S1	PROVIDE 36" X 36" HANDHOLE FOR TELECOM CONDUITS. COVER LABEL SHALL READ "COMMUNICATIONS". REFER TO SPEC 26 05 43 FOR MORE INFORMATION.
S2	PROVIDE (2) 4" CONDUITS FROM HANDHOLE TO MAIN TELECOM ROOM. FOR COMM SERVICE ENTRANCE TO BUILDING. PROVIDE WARNING TAPE AND FOLLOW INSTALLATION REQUIREMENTS IN SPEC SECTION 26 05 43. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. IN EACH CONDUIT, PROVIDE (2) MAXCELL EDGE 4.00" PACKS.
S3	PROVIDE UTILITY TRANSFORMER PER CITY OF GRAND ISLAND UTILITY DISTRICT'S INSTALLATION REQUIREMENTS.
S4	PROVIDE (1) - 4" PRIMARY CONDUIT ROUTE TO OVERHEAD ELECTRICAL LINE. CONDUCTOR PROVIDED BY CITY OF GRAND ISLAND UTILITY DISTRICT.
S5	PROPOSED ROUTE FOR UTILITY POWER TO FIRING RANGE FACILITY. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. REFER TO SHEET EF-EP-601 FOR CONDUIT AND WIRING INFORMATION.
S6	PROPOSED ROUTE FOR EMERGENCY POWER TO FIRING RANGE FACILITY. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. REFER TO SHEET FR-EP-601 FOR CONDUIT AND WIRING INFORMATION.
S9	PROVIDE (1) 4" CONDUIT FROM HANDHOLE TO MAIN TELECOM ROOM. FOR FIRE ALARM NETWORK ENTRANCE TO BUILDING. PROVIDE WARNING TAPE AND FOLLOW INSTALLATION REQUIREMENTS IN SPEC SECTION 26 05 43. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. IN EACH CONDUIT, PROVIDE (1)4 CELL MAXCELL EDGE 4.00" PACKS.
S10	PROVIDE (1) 4" CONDUIT FOR COMM AND (1) 4" CONDUIT FOR FIRE ALARM. PROVIDE WARNING TAPE AND FOLLOW INSTALLATION REQUIREMENTS IN SPEC SECTION 26 05 43. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. IN EACH CONDUIT, PROVIDE (2) 4 CELL MAXCELL EDGE 4.00" PACKS.
S11	PROVIDE (1) #3/0 GROUND CONDUIT FROM MAIN TELECOM ROOM TO ELECTRICAL ROOM AND BOND TO STRUCTURAL STEEL.
S14	PROVIDE (1) – 4" CONDUIT TO EXISTING COMMUNICATIONS HANDHOLE FOR TELECOM FIBER OPTIC CABLING BACK TO EXISTING BUILDING. PROVIDE WARNING TAPE AND FOLLOW INSTALLATION REQUIREMENTS IN SPEC SECTION 26 05 43. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. IN EACH CONDUIT, PROVIDE (2) 4 CELL MAXCELL EDGE 4.00" PACKS.
S15	INTERIOR RACEWAY FOR FIRE ALARM CABLING TO EXISTING FIRE ALARM CONTROL PANEL WILL BE IN EMT CONDUIT.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502.
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

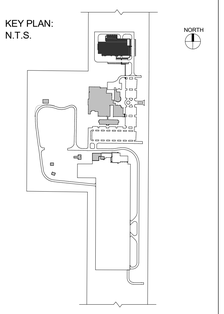
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

PROFESSIONAL ELECTRICAL ENGINEER
TYRELL GALLOWAY
E-19856
STATE OF NEBRASKA
8/21/2024

DRAWING TITLE:

ELECTRICAL SITE PLAN - FIREARMS FACILITY

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

FR-ES-101

NOT FOR CONSTRUCTION

GENERAL NOTES

A.	REFER TO SHEET E-003.

KEYNOTES - SHEET

L2	LOCATE LOAD CONTROLLER(S) ABOVE ACCESSIBLE CEILING IN ADJACENT SPACE.
L6	REFER TO SHEET FR-A-520 DETAIL 5 FOR MOUNTING INFORMATION AND CEILING COORDINATION. BOTTOM OF FIXTURE IT TO BE MOUNTED FLUSH WITH BOTTOM OF CEILING BLADES.
L8	REFER TO SHEET FR-A-520 DETAIL 6 FOR MOUNTING INFORMATION AND CEILING COORDINATION.
L10	EM1 – MANUAL EMERGENCY BUTTON - SHALL ADJUST RANGE 130 LIGHTING ZONES A THROUGH W TO FULL ON AND WHITE WHEN PRESSED. REFER TO LIGHTING EQUIPMENT SCHEDULE FOR SPECIFICATION INFORMATION. REFER TO FR-EL-703 DETAIL 1 FOR SCHEMATIC INFORMATION.
L18	ALIGN TOP OF LUMINAIRE TYPE 'Z1W' WITH FAÇADE MATERIAL PATTERN.
L25	SEE FR-A-520 DETAIL 2 FOR MOUNTING OF LUMINAIRE TYPE 'A22' TRANSITION BETWEEN GYP AND ACT CEILING TYPE.
L26	SURFACE MOUNTED WALL STATIONS SHALL BE POWERED WITH SURFACE MOUNTED CONDUIT.
L31	MULLION MOUNTED EXIT SIGN. INVERT LEGEND SO EXIT SIGN IS ABOVE MOUNTING POINT. REFER TO LIGHTING EQUIPMENT SCHEDULE FOR SPECIFICATION INFORMATION.

1 LIGHTING PLAN - FIRST LEVEL - AREA B
1/8" = 1'-0"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

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231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



8/21/2024

DRAWING TITLE:

LIGHTING PLAN - FIRST LEVEL - AREA B

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

FR-EL-101B

LIGHTING EQUIPMENT SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN (1)		ALTERNATE	TYPE	INPUT LOAD (W)	INPUT LOAD (W/FT)	VOLTAGE	MOUNTING (2)	FINISH	COLOR TEMP (K)	MIN. CRI	DELIVERED LUMENS	L70 (HOURS)	DRIVER	REMARKS
		MANUFACTURER	MODEL SERIES													
A14	11 15/16" W x 48 3/4"L x 1 1/2" H BACK LIT TROFFER EXTRUDED ALUMINUM HOUSING WITH WHITE GLOSS ENAMEL FINISH SEALED TIGHT ENCLOSURE FLAT OPAL LENS	DAYBRITE CFI SIGNIFY	RECESSED SELECTABLE BACKLIT PANEL	CORELITE LITHONIA LEDALITE COOPER	LED	31	-	120-277	CEILING RECESSED	WHITE	3500	80	3,483	67,000	0-10V 5% DIMMING	-
A14F	11 15/16" W x 48 3/4"L x 1 1/2" H BACK LIT TROFFER EXTRUDED ALUMINUM HOUSING WITH WHITE GLOSS ENAMEL FINISH SEALED TIGHT ENCLOSURE FLAT OPAL LENS FLANGE ACCESSORY	DAYBRITE CFI SIGNIFY	RECESSED SELECTABLE BACKLIT PANEL	CORELITE LITHONIA LEDALITE COOPER	LED	37	-	120-277	CEILING RECESSED	WHITE	3500	80	4,293	67,000	0-10V 5% DIMMING	-
A22	23 3/4" W x 23 3/4"L x 1 1/2" H BACK LIT TROFFER EXTRUDED ALUMINUM HOUSING WITH WHITE GLOSS ENAMEL FINISH SEALED TIGHT ENCLOSURE FLAT OPAL LENS	DAYBRITE CFI SIGNIFY	RECESSED SELECTABLE BACKLIT PANEL	CORELITE LITHONIA LEDALITE COOPER	LED	39	-	120-277	CEILING RECESSED	WHITE	3500	80	4,247	67,000	0-10V 5% DIMMING	-
A22L	23 3/4" W x 23 3/4"L x 1 1/2" H BACK LIT TROFFER EXTRUDED ALUMINUM HOUSING WITH WHITE GLOSS ENAMEL FINISH SEALED TIGHT ENCLOSURE FLAT OPAL LENS	DAYBRITE CFI SIGNIFY	RECESSED SELECTABLE BACKLIT PANEL	CORELITE LITHONIA LEDALITE COOPER	LED	30	-	120-277	CEILING RECESSED	WHITE	3500	80	3,260	67,000	0-10V 5% DIMMING	-
A22F	23 3/4" W x 23 3/4"L x 1 1/2" H BACK LIT TROFFER EXTRUDED ALUMINUM HOUSING WITH WHITE GLOSS ENAMEL FINISH SEALED TIGHT ENCLOSURE FLAT OPAL LENS FLANGE ACCESSORY	DAYBRITE CFI SIGNIFY	RECESSED SELECTABLE BACKLIT PANEL	CORELITE LITHONIA LEDALITE COOPER	LED	39	-	120-277	CEILING RECESSED	WHITE	3500	80	4,247	67,000	0-10V 5% DIMMING	-
E1	EXIT SIGN - SINGLE FACE INJECTION-MOULDED ACRYLIC PANEL WITH BRUSHED ALUMINUM HOUSING RED LETTERS ON MIRRORED BACKGROUND	LITHONIA	LE EXIT SIGN	EVENLITE SURE-LITES ISOLITE	LED	3	-	120-277	UNIVERSAL, AS INDICATED ON PLAN	BRUSHED ALUMINUM	-	-	-	-	-	-
E1M	EXIT SIGN - SINGLE FACE INJECTION-MOULDED ACRYLIC PANEL WITH BRUSHED ALUMINUM HOUSING RED LETTERS ON MIRRORED BACKGROUND MULLION MOUNT WITH INVERTED LEGEND	EVENLITE	SOVERIGN II EXIT SIGN	COOPER	LED	1.5	-	120-277	MULLION MOUNT - INVERT LEGEND	BRUSHED ALUMINUM	-	-	-	-	-	-
E2	EXIT SIGN - DOUBLE FACE INJECTION-MOULDED ACRYLIC PANEL WITH BRUSHED ALUMINUM HOUSING RED LETTERS ON MIRRORED BACKGROUND	LITHONIA	LE EXIT SIGN	EVENLITE SURE-LITES ISOLITE	LED	5	-	120-277	UNIVERSAL, AS INDICATED ON PLAN	BRUSHED ALUMINUM	-	-	-	-	-	-
EW1	EXTERIOR EXIT SIGN -SINGLE FACE UV-STABLE POLYCARBONATE HOUSING WITH UV STABLE RESIN. POLYCARBONATE CLEAR HOUSING LENS WITH TAMPER RESISTANT SCREWS REMOVABLE AND REINSERTABLE CHEVRON DIRECTIONAL ARROWS WET LOCATION LISTED	LITHONIA	LV EXIT SIGN	EVENLITE SURE-LITES ISOLITE	LED	3	-	120-277	UNIVERSAL, AS INDICATED ON PLAN	GRAY	-	-	-	-	-	-
EM1	3.22" W x 4.83" H x .867" D EMERGENCY BUTTON MOMENTARY PUSH BUTTON STAINLESS STEEL METAL FACEPLATE RED BUTTON WITH "EMERGENCY" LETTERING SURFACE MOUNT ACCESSORIES	SAFETY TECHNOLOGY INTERNATIONAL	STI UNIVERSL BUTTON	APPROVED BY ENGINEER	-	-	-	120-277	SURFACE MOUNTED	STAINLESS STEEL	-	-	-	-	-	-
L3RW(##)	4" W x 4.72" H x (##)' L RECESSED LINEAR STEEL HOUSING WITH ALUMINUM TRIM AND A POLYESTER POWDER COAT FINISH WHITE ACRYLIC LENS ASYMMETRIC WALL WASH DISTRIBUIITION T GRID MOUNTING	LEDALITE SIGNIFY	LINEAR TRU GROOVE RECESSED	3G LIGHTING PRUDENTIAL	LED	-	3.7	120-277	RECESSED CEILING	WHITE	3500	80	375 LM/FT	(L80) 60,000	0-10V, 1% DIMMING	-
N3R	3 1/8" ROUND DOWNLIGHT WITH FLANGE GALVANIZED STEEL HOUSING MEDIUM DISTRIBUTION DAMP LOCATION RATED	LIGHTOLIER SIGNIFY	LYTE PROFILE 3" ROUND DOWNLIGHT	USAI LUMENWERX GOTHAM	LED	8	-	120-277	RECESSED CEILING	WHITE TRIM WHITE FLANGE	3500	90	750	57,000	0-10V, 1% DIMMING	-
N3RS	3 1/8" ROUND DOWNLIGHT WITH FLANGE GALVANIZED STEEL HOUSING MEDIUM DISTRIBUTION WET LOCATION RATED	LIGHTOLIER SIGNIFY	LYTE PROFILE 3" ROUND DOWNLIGHT	USAI LUMENWERX GOTHAM	LED	8	-	120-277	RECESSED CEILING	WHITE TRIM WHITE FLANGE	3500	90	750	57,000	0-10V, 1% DIMMING	-
S14B	2 1/2" W x 4' L x 3" H UTILITY STRIP LIGHT - SUSPENDED STEEL HOUSING, DIFFUSE ACRYLIC LENS SYMMETRICAL REFLECTOR DAMP LOCATION RATED	DAYBRITE CFI SIGNIFY	FLUXSTREAM STRIP	LITHONIA METALUX CURRENT	LED	30	-	120-277	WIRE HUNG, SEE DRAWING FOR HEIGHT	BLACK	3500	90	3,967	50,000	0-10V, 1% DIMMING	-
S14P	2 1/2" W x 4' L x 3" H UTILITY STRIP LIGHT - SUSPENDED STEEL HOUSING, DIFFUSE ACRYLIC LENS SYMMETRICAL REFLECTOR DAMP LOCATION RATED	DAYBRITE CFI SIGNIFY	FLUXSTREAM STRIP	LITHONIA METALUX CURRENT	LED	30	-	120-277	CHAIN HUNG AT 9' 6" AFF, UON	WHITE	3500	90	3,967	50,000	0-10V, 1% DIMMING	-
S14PH	2 1/2" W x 4' L x 3" H UTILITY STRIP LIGHT - SUSPENDED STEEL HOUSING, DIFFUSE ACRYLIC LENS SYMMETRICAL REFLECTOR DAMP LOCATION RATED	DAYBRITE CFI SIGNIFY	FLUXSTREAM STRIP	LITHONIA METALUX CURRENT	LED	54	-	120-277	CHAIN HUNG AT 9' 6" AFF, UON	WHITE	3500	90	6,834	50,000	0-10V, 1% DIMMING	-
S4V	3.86" W x 4' L x 3.3" H UTILITY STRIP LIGHT - SURFACE 5VA GRADE POLYCABONATE BODY WITH FROSTED POLYCARBONATE LENS WET LOCATION IP66 RATED GASKET SEALED CORNER MOUNTED INCLUDE ALL ACCESSORIES AS REQUIRED	DAYBRITE CFI SIGNIFY	VTS SEAL STRIP	LITHONIA METALUX CURRENT	LED	32	-	120-277	CORNER MOUNTED SURFACE WALL	WHITE	3500	80	4,200	50,000	0-10V, 1% DIMMING	-
V14	48.2" L x 5" W x 3.7" H SURFACE MOUNT LINEAR MARINE GARDE ALUMINUM HOUSING WITH DIE-CAST ENDCAPS 0.123" THICK POLYCARBONATE OPAL LENS CLOSED CELL FOAM GASKET CONTINUOUS SEAL WITH TAMPERPROOF FASTENERS IP66 RATED. HIGN IMPACT SHOCK AND VIBRATION TESTED.	LC DOANE	VSB-LED	NULITE LITHONIA	LED	55	-	120-277	SURFACE	WHITE	3500	80	5,434	50,000	0-10V, 1% DIMMING	-

LIGHTING EQUIPMENT SCHEDULE REMARKS

1. BASIS OF DESIGN MANUFACTURER AND SERIES ARE INDICATED. OTHER MANUFACTURERS WITH AN (*) PREFIX ARE OPTIONAL. REFER TO SPECIFICATIONS FOR SUBSTITUTION REQUIREMENTS.

2. VERIFY LUMINAIRE MOUNTING WITH CEILING CONSTRUCTION. PROVIDE FLANGED TRIMS FOR RECESSED LUMINAIRES UNLESS NOTED OTHERWISE. VERIFY FLANGES WITH CEILING CONTRACTOR FOR COMPATIBILITY. SEE SPECIFICATIONS.

3. REFER TO FR-EL-702 FOR CONTROL DIAGRAM AND PROVIDE ALL NECESSARY ACCESSORIES FOR A COMPLETE DMX LIGHTING SYSTEM. WORK WITH MANUFACTURER AND REFER TO INSTALLATION GUIDELINES.

4. REFER TO FR-EL-101A FOR AIMING ANGLES PER ROW.

5. CONTRACTOR TO VERIFY HEIGHT, SHAPE, AND FINISH OF EXISITING PITE POLES TO MATCH BEFORE SUBMITTING PRODUCT DATA.

GENERAL NOTES

A.	REFER TO SHEET E-003.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

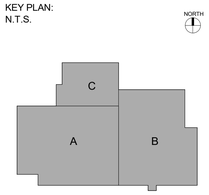
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD,
GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



8/21/2024

DRAWING TITLE:

LIGHTING EQUIPMENT SCHEDULE

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

FR-EL-701

LIGHTING EQUIPMENT SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN (1)		ALTERNATE	TYPE	INPUT LOAD (W)	INPUT LOAD (W/FT)	VOLTAGE	MOUNTING (2)	FINISH	COLOR TEMP (K)	MIN. CRI	DELIVERED LUMENS	L70 (HOURS)	DRIVER	REMARKS
		MANUFACTURER	MODEL SERIES													
XL3(##)	2 3/16" W x 4 1/8" H x XX' L EXTERIOR COLOR CHANGING LINEAR LOW COPPER EXTRUDED ALUMINUM HOSING WITH POWDER COAT FINISH CLEAR TEMPERED GLASS LENS 30 X 30 OPTIC DISTRIBUTION WET LOCATION RATED IP66 WITH SILICONE GASKET SEAL IK07 AND VIRBRATION RATED FOR NORMAL APPLICATIONS OPTIDRIVE WMC1 MOUNTING OPTION	LUMENPULSE	LUMENFACADE MAX	GVA	LED	-	22	120/277	SURFACE WALL MOUNTING ADJUSTABLE	BLACK	RGBW 3500	80	883 LM/FT	50,000	DMX	3, 4
XL6(##)	2 3/16" W x 4 1/8" H x XX' L EXTERIOR COLOR CHANGING LINEAR LOW COPPER EXTRUDED ALUMINUM HOSING WITH POWDER COAT FINISH CLEAR TEMPERED GLASS LENS 60 X 60 OPTIC DISTRIBUTION WET LOCATION RATED IP66 WITH SILICONE GASKET SEAL IK07 AND VIRBRATION RATED FOR NORMAL APPLICATIONS OPTIDRIVE WMC1 MOUNTING OPTION	LUMENPULSE	LUMENFACADE MAX	GVA	LED	-	22	277	SURFACE WALL MOUNTING ADJUSTABLE	BLACK	RGBW 3500	80	865LM/FT	50,000	DMX	3, 4
XL6S(##)	2 3/16" W x 4 1/8" H x XX' L EXTERIOR COLOR CHANGING LINEAR LOW COPPER EXTRUDED ALUMINUM HOSING WITH POWDER COAT FINISH CLEAR TEMPERED GLASS LENS 60 X 60 OPTIC DISTRIBUTION WET LOCATION RATED IP66 WITH SILICONE GASKET SEAL IK07 AND VIRBRATION RATED FOR NORMAL APPLICATIONS OPTIDRIVE SM MOUTNING OPTION	LUMENPULSE	LUMENFACADE MAX	GVA	LED	-	22	277	SURFACE WALL MOUNTING ADJUSTABLE	BLACK	RGBW 3500	80	865LM/FT	50,000	DMX	3, 4
XL6W(##)	SAME AS XL6 EXCEPT ONLY WHITE OUTPUT AND FIXED SURFACE MOUNTED	LUMENPULSE	LUMENFACADE MAX	GVA	LED	-	22	277	SURFACE	BLACK	3500	80	865LM/FT	50,000	DMX	3
Z1W	15.58" W x 15.66" L x 6.16" H EXTERIOR WALL PACK LOW COPPER DIE CAST ALUMINUM ALLY WITH HIGH CORROSION RESITANCE UV-STABILIZED OPTICAL GRADE WITH LOW-GLARE AND VISUAL COMFORT TYPE TWO OPTICAL DISTRIBUTION IP65 RATED	GARDCO SIGNIFY	PURE FORM PWS	LITHONIA METALUX CURRENT COOPER	LED	21	-	120-277	WALL MOUNT	MEDIUM GREY	4000	80	2,040	50,000	0-10V, 10% DIMMING	-
Z2W	1" W x 1" L x 1.63" H EXTERIOR POST SURFACE LUMINAIRE STAINLESS STEEL ASYMMETRIC OPTIC WITH 94 DEGREE BEAM IP67 AND IK10 RATED	WAGNER	BANTAM SQ	APPROVED BY ENGINEER	LED	2.2	-	24 VDC	POST MOUNT	STAINLESS STEEL	4000	80	92	50,000	0-10V, 10% DIMMING	-
Z3W	5.5" W x 5.75" H x 2" D EXTERIOR WALL PACK DIE-CAST ALUMINUM HOUSING IP66 RATED	LITHONIA	WPX0 LED	APPROVED BY ENGINEER	LED	6	-	120-277V	WALL MOUNT	DARK BRONZE	4000	80	829	100,000	0-10V, 10% DIMMING	-
ZN3R	3 1/8" ROUND DOWNLIGHT WITH FLANGE GALVANIZED STEEL HOUSING MEDIUM DISTRIBUTION DAMP LOCATION RATED	LIGHTOLIER SIGNIFY	LYTE PROFILE 3" ROUND DOWNLIGHT	USAI LUMENWERX GOTHAM	LED	8	-	120-277	RECESSED CEILING	WHITE TRIM WHITE FLANGE	4000	90	750	57,000	0-10V, 1% DIMMING	-
X12	15.2" W x 26.3" L x 5.5" H EXTERIOR POLE LOW COPPER DIE CAST ALUMINUM ALLOY WITH HIGH CORROSION RESISTANCE TYPE TWO OPTICAL DISTRIBUTION IP65 RATED INTEGRAL MOTION SENSING LENS AND PHOTOCONTROL BUTTON	GARDCO SIGNIFY	ECO FORM SMALL AREA LIGHT	LITHONIA METALUX CURRENT	LED	56	-	277	25' POLE MOUNTED	BLACK	4000	70	7,159	50,000	0-10V, BI-LEVEL DIMMING	5
X13	15.2" W x 26.3" L x 5.5" H EXTERIOR POLE LOW COPPER DIE CAST ALUMINUM ALLSY WITH HIGH CORROSION RESISTANCE TYPE THREE OPTICAL DISTRIBUTION IP65 RATED INTEGRAL MOTION SENSING LENS AND PHOTOCONTROL BUTTON	GARDCO SIGNIFY	ECO FORM SMALL AREA LIGHT	LITHONIA METALUX CURRENT	LED	56	-	277	25' POLE MOUNTED	BLACK	4000	70	7,159	50,000	0-10V, BI-LEVEL DIMMING	5
X14	15.2" W x 26.3" L x 5.5" H EXTERIOR POLE LOW COPPER DIE CAST ALUMINUM ALLOY WITH HIGH CORROSION RESISTANCE TYPE FOUR OPTICAL DISTRIBUTION IP65 RATED INTEGRAL MOTION SENSING LENS AND PHOTOCONTROL BUTTON	GARDCO SIGNIFY	ECO FORM SMALL AREA LIGHT	LITHONIA METALUX CURRENT	LED	56	-	277	25' POLE MOUNTED	BLACK	4000	70	7,159	50,000	0-10V, BI-LEVEL DIMMING	5

LIGHTING EQUIPMENT SCHEDULE REMARKS

1. BASIS OF DESIGN MANUFACTURER AND SERIES ARE INDICATED. OTHER MANUFACTURERS WITH AN (*) PREFIX ARE OPTIONAL. REFER TO SPECIFICATIONS FOR SUBSTITUTION REQUIREMENTS.
2. VERIFY LUMINAIRE MOUNTING WITH CEILING CONSTRUCTION. PROVIDE FLANGED TRIMS FOR RECESSED LUMINAIRES UNLESS NOTED OTHERWISE. VERIFY FLANGES WITH CEILING CONTRACTOR FOR COMPATIBILITY. SEE SPECIFICATIONS.
3. REFER TO FR-EL-702 FOR CONTROL DIAGRAM AND PROVIDE ALL NECESSARY ACCESSORIES FOR A COMPLETE DMX LIGHTING SYSTEM. WORK WITH MANUFACTURER AND REFER TO INSTALLATION GUIDELINES.
4. REFER TO FR-EL-101A FOR AIMING ANGLES PER ROW.
5. CONTRACTOR TO VERIFY HEIGHT, SHAPE, AND FINISH OF EXISITING PITE POLES TO MATCH BEFORE SUBMITTING PRODUCT DATA.

GENERAL NOTES

A.	REFER TO SHEET E-003.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



8/21/2024

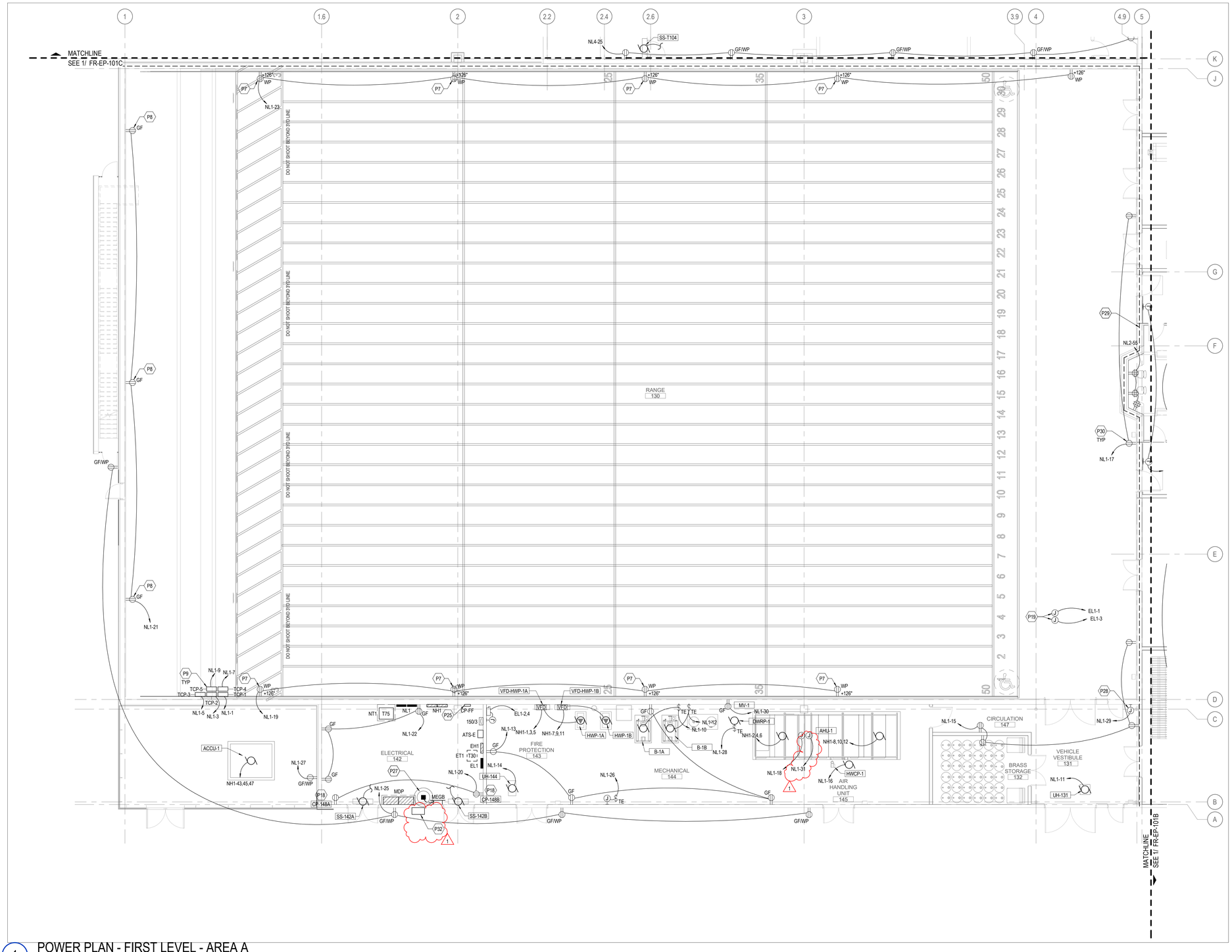
DRAWING TITLE:

LIGHTING EQUIPMENT SCHEDULE

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

FR-EL-702



GENERAL NOTES

A.	REFER TO SHEET E-003.

KEYNOTES - SHEET

P7	COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR LOCATION OF RECEPTACLES.
P8	RECEPTACLE SHALL BE INSTALLED BEHIND BULLET TRAP.
P9	CONTROL PANELS FOR LATERAL TURNING TARGET AND RUNNING MAN TARGETS. PROVIDE 120V POWER AS SHOWN. COORDINATE FINAL HEIGHT AND LOCATION OF CONTROL PANELS WITH RANGE VENDOR.
P18	120V CONNECTION FOR SPLIT SYSTEM CONDENSATE PUMP.
P19	PROVIDE 120V CONNECTION TO ALL SMOKE AND FIRE/SMOKE DAMPERS IN THIS AREA. SEE MECHANICAL PLANS FOR QUANTITY AND EXACT LOCATIONS. LOAD CIRCUIT TO NO MORE THAN 1200VA. COORDINATE WITH DAMPER MANUFACTURER FOR SPECIFIC DAMPER LOAD REQUIREMENTS. ADDITIONAL CIRCUITS REQUIRED IN THIS AREA SHALL UTILIZE PANEL INDICATED. UPDATE PANEL SCHEDULE ACCORDINGLY. PROVIDE LOCAL DISCONNECTING MEANS AT EACH DAMPER.
P25	REFER TO FR-EL-DMX CONTROL DIAGRAM FOR ENCLOSURE DETAILS.
P27	PROVIDE GROUND BAR AND SYSTEM TEST WELL. GROUND BAR SHALL CONNECT TO GROUNDING LOOP. REFER TO SHEET FR-EP-501 FOR GROUND ROD DETAIL.
P28	PROVIDE 120V POWER FOR WHILE-IN-USE WALL LIGHT FIXTURE. FIXTURE WILL COME WITH INTEGRATED CONTROL BOX TO CONNECT TO RANGE MECHANICAL SYSTEM FOR LIGHTING CONTROLS. MOUNT CONTROL BOX 1'-0" BELOW CEILING. COORDINATE WITH RANGE VENDOR FOR FINAL HEIGHT OF WHILE-IN-USE WALL LIGHT.
P29	BRANCH CIRCUIT CONDUITS SHALL NOT BE ROUTED FROM AREA A TO AREA B TO MAINTAIN INTEGRITY OF ACOUTSITCS IN RANGE 130. ANY CONDUIT BRANCH CIRCUIT PENETRATION THAT IS REQUIRED WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT'S AND ENGINEER'S PRIOR TO INSTALLATION.
P30	ELECTRICAL DEVICES RECESSED IN RANGE 130 EAST WALL WILL BE RECESSED IN ACOUTSTICAL WALL AND CONDUIT WILL SURFACE MOUNT TO CMU. REFER TO FR-A-SERIES SHEETS FOR WALL CONSTRUCTION DETAIL.
P32	PROVIDE 480V, 3 PHASE, 150A WALL MOUNT TEMPORARY GENERATOR CONNECTION CABINET. CONNECITON BOX WILL BE USED FOR TEMPORARY GENERATOR POWER TO BUIDLING TO SERVE AS EMERGENCY POWER WHILE PERMANENT GENERATOR IS UNDER MAINTENANCE. MOUNT CABINET AT 60" ABOVE FINISHED GRADE. CONNECTION BOX GENERATOR START SIGNAL SHALL BE CONNECT TO ATS-E. ROUTE CONDUIT FROM THE LOAD SIDE OF CONNECTION BOX TO PANEL EH1.

1 POWER PLAN - FIRST LEVEL - AREA A
1/8" = 1'-0"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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P. 414-909-8586

ENGINEERS OF RECORD:

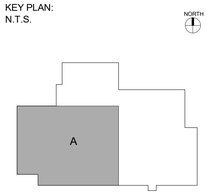
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
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AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



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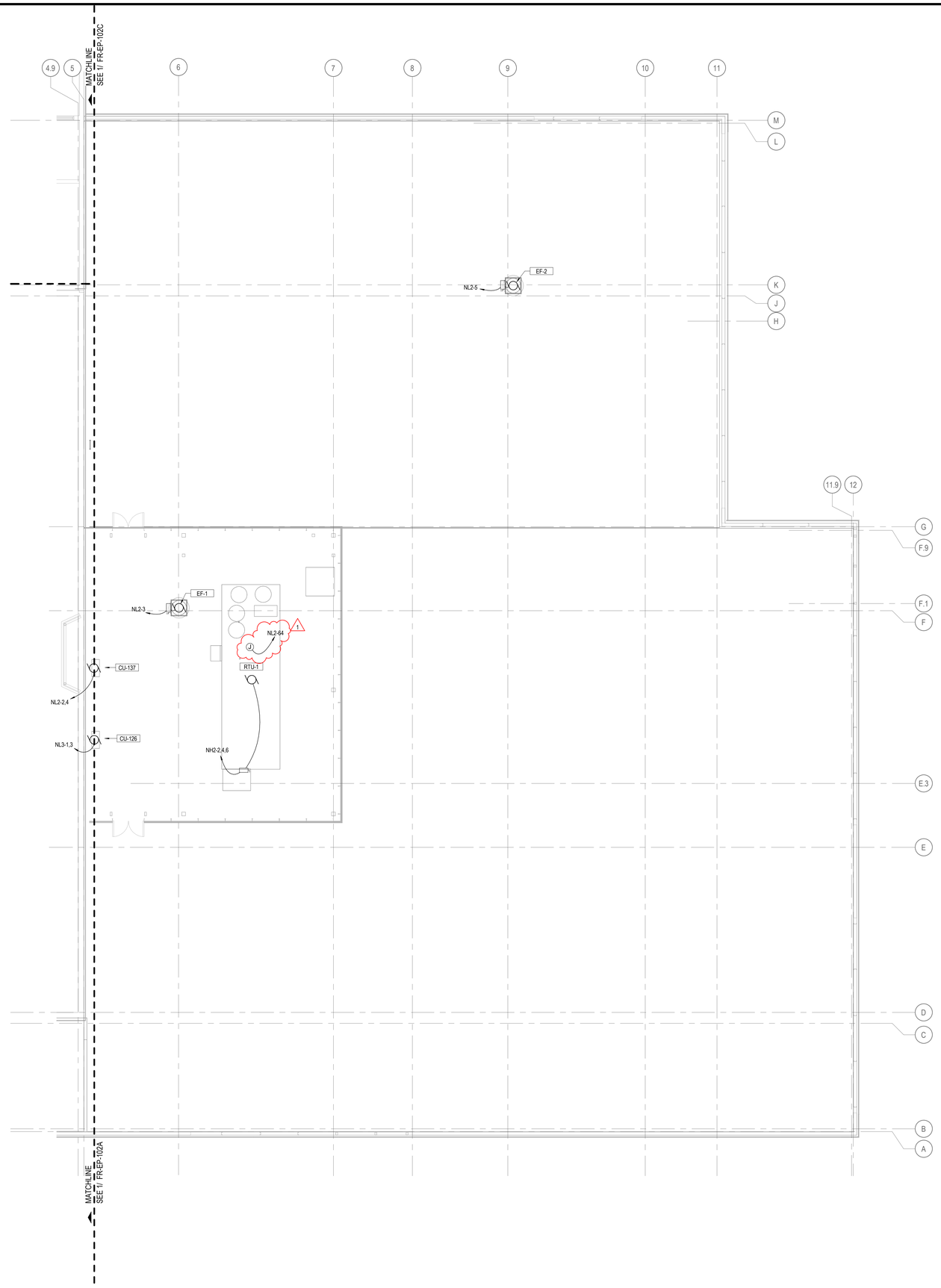
DRAWING TITLE:

POWER PLAN - FIRST LEVEL - AREA A

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY:	JMH
CHECKED BY:	TG

DRAWING NUMBER:

FR-EP-101A



1 POWER PLAN - T.O. ROOF LEVEL - AREA B
1/8" = 1'-0"

GENERAL NOTES

A.	REFER TO SHEET E-003.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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ARCHITECT OF RECORD - FIREARMS BLDG

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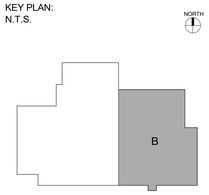
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
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AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



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GRAND ISLAND, NE 68801

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8/21/2024

DRAWING TITLE:

POWER PLAN - T.O. ROOF LEVEL - AREA B

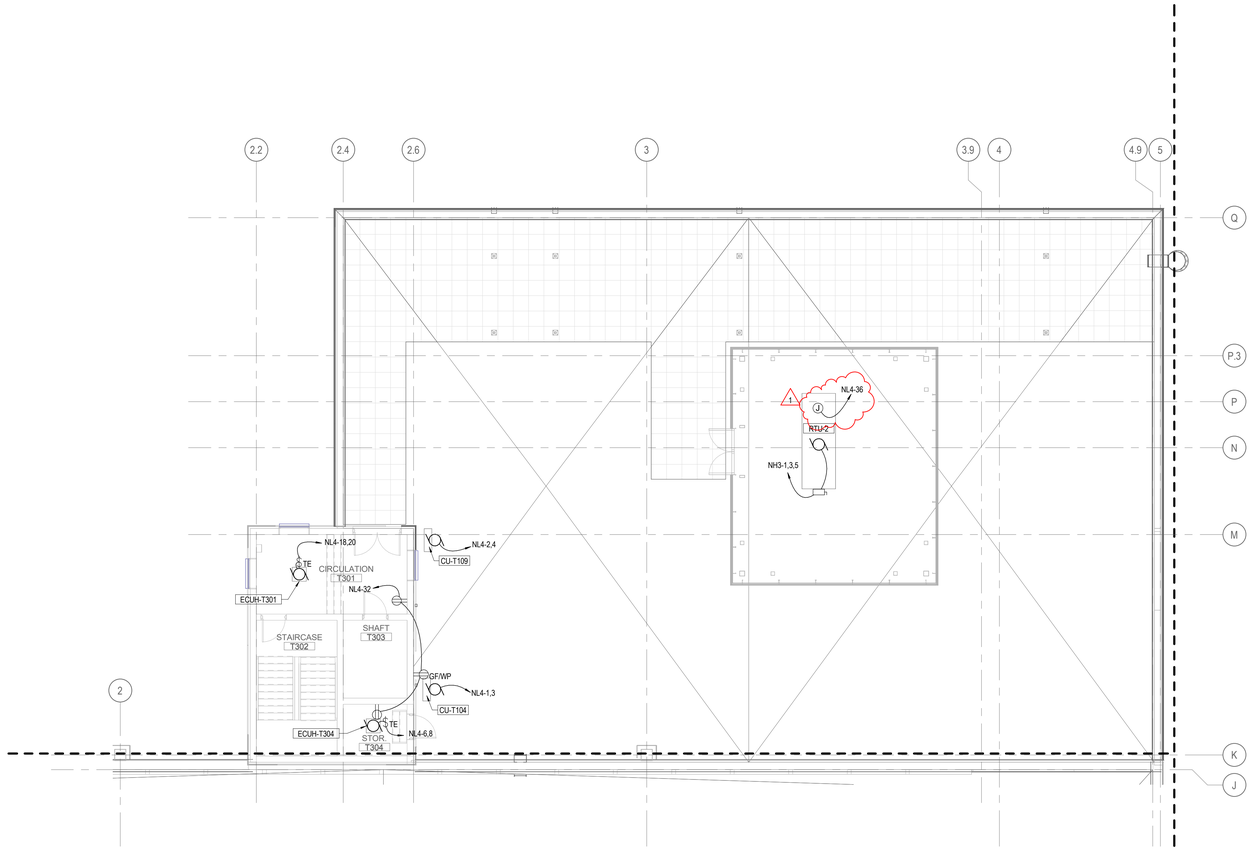
PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

FR-EP-102B

GENERAL NOTES

A.	REFER TO SHEET E-003.



1 POWER PLAN - THIRD LEVEL - AREA C

1/8" = 1'-0"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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132 North York St #2C,
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P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

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231 E Buffalo St #502,
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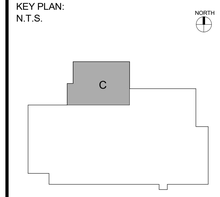
HDR

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Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



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1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

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3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



8/21/2024

DRAWING TITLE:

POWER PLAN - THIRD LEVEL - AREA C

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

FR-EP-103C

TRANSFORMER SCHEDULE

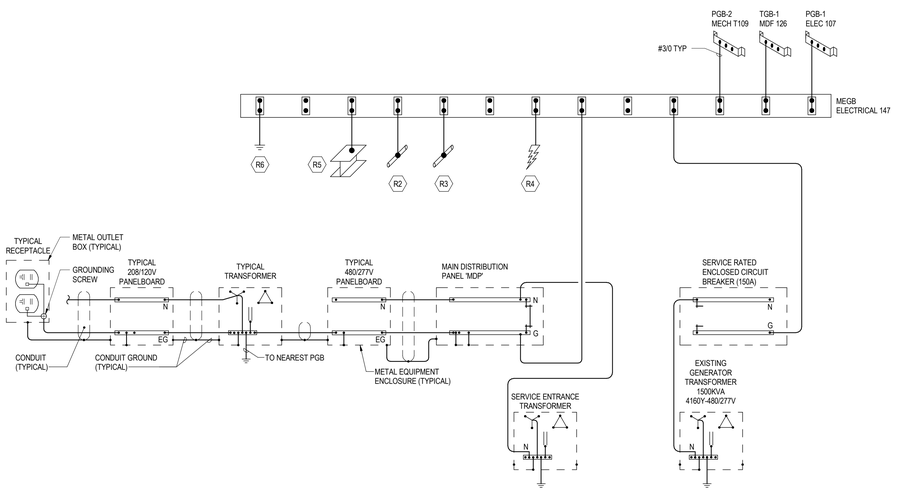
MARK *	KVA	PRIMARY 480 V DELTA 3 PHASE, 3 WIRE		SECONDARY 208/120 V, 3 PHASE, 4 WIRE					GROUNDING ELECTRODE CONDUCTOR		SYSTEM BONDING JUMPER WIRE (AWG or kcm)	SUPPLY SIDE EQUIPMENT BONDING JUMPER WIRE (AWG)
		O/C PROT	FEEDER NO. **	O/C PROT	NO. OF SETS	FEEDER CONDUCTOR SIZES (AWG or kcmil) PHASE	NEUTRAL	ISO GND	CONDUIT SIZE	WIRE (AWG)	CONDUIT SIZE		
T9	9	15/3	2	30/3	1	3 - # 10	1 - # 10		3/4"	1 - # 8	1/2"	1 - # 8	1 - # 8
T15 T15K	15 15	30/3 30/3	3 3	50/3 50/3	1 1	3 - # 6 3 - # 6	1 - # 6 1 - # 3	 1 - # 8	1-1/4" 1-1/4"	1 - # 8 1 - # 8	1/2" 1/2"	1 - # 8 1 - # 8	1 - # 8 1 - # 8
T30 T30K	30 30	50/3 50/3	5 5	100/3 100/3	1 1	3 - # 1 3 - # 1	1 - # 1 1 - # 3/0	 1 - # 6	1-1/2" 2"	1 - # 6 1 - # 6	1/2" 1/2"	1 - # 6 1 - # 6	1 - # 6 1 - # 6
T45 T45K	45 45	70/3 70/3	7 7	175/3 175/3	1 1	3 - # 2/0 3 - # 3/0	1 - # 2/0 2 - # 2/0	 1 - # 4	2" 2-1/2"	1 - # 4 1 - # 4	1/2" 1/2"	1 - # 4 1 - # 4	1 - # 4 1 - # 4
T75 T75K	75 75	125/3 125/3	12 12	300/3 300/3	1 1	3 - 350 3 - 400	1 - 350 2 - 350	 1 - # 1/0	3-1/2" 3-1/2"	1 - # 2 1 - # 1/0	1/2" 3/4"	1 - # 2 1 - # 1/0	1 - # 2 1 - # 1/0
T112 T112K	112.5 112.5	200/3 200/3	20 20	400/3 400/3	2 2	3 - # 3/0 3 - # 4/0	1 - # 3/0 2 - # 3/0	 1 - # 1/0	2-1/2" 3"	1 - # 1/0 1 - # 1/0	3/4" 3/4"	1 - # 1/0 1 - # 1/0	# 4 1 - # 1/0
T150 T150K	150 150	250/3 250/3	25 25	600/3 600/3	2 2	3 - 350 3 - 400	1 - 350 2 - 350	 1 - # 2/0	3" 3-1/2"	1 - # 2/0 1 - # 2/0	3/4" 3/4"	1 - # 2/0 1 - # 2/0	1 - # 2 1 - # 1/0
T225 T225K	225 225	400/3 400/3	40 40	800/3 800/3	3 3	3 - 300 3 - 350	1 - 300 2 - 250	 1 - # 2/0	3" 3-1/2"	1 - # 2/0 1 - # 2/0	3/4" 3/4"	1 - # 2/0 1 - # 2/0	1 - # 2 1 - # 2
T300 T300K	300 300	500/3 500/3	50 50	1200/3 1200/3	4 4	3 - 350 3 - 400	1 - 350 2 - 350	 1 - # 3/0	3" 3-1/2"	1 - # 3/0 1 - # 3/0	3/4" 3/4"	# 3/0 # 3/0	1 - # 2 1 - # 1/0
T500 T500K	500 500	800/3 800/3	80 80	2000/3 2000/3	6 6	3 - 400 3 - 500	1 - 400 2 - 500	 1 - 400	3-1/2" 4"	1 - # 3/0 1 - # 3/0	3/4" 3/4"	1 - 300 1 - 400	1 - # 1/0 1 - # 1/0

* "K" SUFFIX INDICATES K-RATED TRANSFORMER. REFER TO SPEC SECTION 26 22 13.
** REFER TO FEEDER SCHEDULE.

FEEDER SCHEDULE

MARK	AMPACITY	NO. OF SETS	CONDUCTOR SIZES (AWG or kcmil) PHASE	NEUTRAL	EQ GND	ISO GND	CONDUIT SIZE
2 2Y 2N	20 20 20	1 1 1	3 - # 12 3 - # 12 3 - # 12	- 1 - # 12 1 - # 8	1 - # 12 1 - # 12 1 - # 12	- - 1 - # 12	1/2" 1/2" 3/4"
3 3Y 3N	30 30 30	1 1 1	3 - # 10 3 - # 10 3 - # 10	- 1 - # 10 1 - # 6	1 - # 10 1 - # 10 1 - # 10	- - 1 - # 10	3/4" 3/4" 1"
4 4Y 4N	40 40 40	1 1 1	3 - # 8 3 - # 8 3 - # 8	- 1 - # 8 1 - # 4	1 - # 10 1 - # 10 1 - # 10	- - 1 - # 10	3/4" 1" 1"
5 5Y 5N	50 50 50	1 1 1	3 - # 6 3 - # 6 3 - # 6	- 1 - # 6 1 - # 3	1 - # 10 1 - # 10 1 - # 8	- - 1 - # 8	1" 1-1/4" 1-1/4"
6 6Y 6N	60 60 60	1 1 1	3 - # 4 3 - # 4 3 - # 4	- 1 - # 4 1 - # 2	1 - # 10 1 - # 10 1 - # 8	- - 1 - # 8	1" 1-1/4" 1-1/4"
7 7Y 7N	70 70 70	1 1 1	3 - # 4 3 - # 4 3 - # 4	- 1 - # 4 1 - # 1/0	1 - # 8 1 - # 8 1 - # 8	- - 1 - # 8	1-1/4" 1-1/4" 1-1/2"
8 8Y 8N	80 80 80	1 1 1	3 - # 3 3 - # 3 3 - # 3	- 1 - # 3 1 - # 2/0	1 - # 8 1 - # 8 1 - # 8	- - 1 - # 8	1-1/4" 1-1/4" 1-1/2"
9 9Y 9N	90 90 90	1 1 1	3 - # 2 3 - # 2 3 - # 2	- 1 - # 2 1 - # 2/0	1 - # 8 1 - # 8 1 - # 8	- - 1 - # 8	1-1/4" 1-1/2" 2"
10 10Y 10N	100 100 100	1 1 1	3 - # 1 3 - # 1 3 - # 1	- 1 - # 1 1 - # 3/0	1 - # 8 1 - # 8 1 - # 6	- - 1 - # 6	1-1/2" 1-1/2" 2"
11 11Y 11N	110 110 110	1 1 1	3 - # 1 3 - # 1 3 - # 1	- 1 - # 1 1 - # 4/0	1 - #6 1 - #6 1 - #6	- - 1 - #6	1-1/2" 2" 2"
12 12Y 12N	125 125 125	1 1 1	3 - # 1/0 3 - # 1/0 3 - # 1/0	- 1 - # 1/0 1 - 250	1 - #3 1 - #6 1 - #6	- - 1 - #6	1-1/2" 2" 2-1/2"
15 15Y 15N	150 150 150	1 1 1	3 - # 1/0 3 - # 1/0 3 - # 2/0	- 1 - # 1/0 1 - 350	1 - #6 1 - #6 1 - #6	- - 1 - #6	1-1/2" 2" 2-1/2"
17 17Y 17N	175 175 175	1 1 1	3 - # 2/0 3 - # 2/0 3 - # 3/0	- 1 - # 2/0 2 - # 2/0	1 - #6 1 - #6 1 - #4	- - 1 - #4	2" 2" 2-1/2"
20 20Y 20N	200 200 200	1 1 1	3 - # 3/0 3 - # 3/0 3 - # 4/0	- 1 - # 3/0 2 - # 3/0	1 - #6 1 - #6 1 - #6	- - 1 - #6	2" 2-1/2" 3"

MARK	AMPACITY	NO. OF SETS	CONDUCTOR SIZES (AWG or kcmil) PHASE	NEUTRAL	EQ GND	ISO GND	CONDUIT SIZE
22 22Y 22N	225 225 225	1 1 1	3 - # 4/0 3 - # 4/0 3 - 250	- 1 - # 4/0 2 - # 4/0	1 - # 4 1 - # 4 1 - # 4	- - 1 - # 4	2" 2-1/2" 3"
25 25Y 25N	250 250 250	1 1 1	3 - 250 3 - 250 3 - 300	- 1 - 250 2 - 250	1 - # 4 1 - # 4 1 - # 4	- - 1 - # 4	2-1/2" 3" 3"
30 30Y 30N	300 300 300	1 1 1	3 - 350 3 - 350 3 - 400	- 1 - 350 2 - 350	1 - # 4 1 - # 4 1 - # 1/0	- - 1 - # 1/0	3" 3-1/2" 3-1/2"
35 35Y 35N	350 350 350	1 1 2	3 - 500 3 - 500 3 - # 3/0	- 1 - 500 2 - # 2/0	1 - # 3 1 - # 3 1 - # 3	- - 1 - # 3	3" 3-1/2" 2-1/2"
40 40Y 40N	400 400 400	1 1 2	3 - 500 3 - 500 3 - # 4/0	- 1 - 500 2 - # 3/0	1 - # 3 1 - # 3 1 - # 1/0	- - 1 - # 1/0	3" 3-1/2" 3"
50 50Y 50N	500 500 500	2 2 2	3 - 250 3 - 250 3 - 300	- 1 - 250 2 - 250	1 - # 2 1 - # 2 1 - # 2	- - 1 - # 2	2-1/2" 3" 3-1/2"
60 60Y 60N	600 600 600	2 2 2	3 - 350 3 - 350 3 - 400	- 1 - 350 2 - 350	1 - # 1 1 - # 1 1 - # 2/0	- - 1 - # 2/0	3" 3" 3-1/2"
80 80Y 80N	800 800 800	2 2 3	3 - 500 3 - 500 3 - 400	- 1 - 500 -	1 - # 1/0 1 - # 1/0 1 - # 2/0	- - -	3" 3-1/2" 3"
100 100Y 120	1000 1000 1200	3 3 4	3 - 400 3 - 400 3 - 350	- 1 - 400 -	1 - # 2/0 1 - # 2/0 1 - # 3/0	- - -	3" 3-1/2" 3"
120Y 160 160Y	1200 1600 1600	4 5 5	3 - 350 3 - 400 3 - 400	1 - 350 - 1 - 400	1 - # 3/0 1 - # 4/0 1 - # 4/0	- - -	3" 3" 3-1/2"
200 200Y	2000 2000	6 6	3 - 400 3 - 400	- 1 - 400	1 - 250 1 - 250	- -	3" 3-1/2"
250 250Y	2500 2500	7 7	3 - 500 3 - 500	- 1 - 500	1 - 350 1 - 350	- -	3-1/2" 4"
300 300Y	3000 3000	8 8	3 - 500 3 - 500	- 1 - 500	1 - 400 1 - 400	- -	3-1/2" 4"
400 400Y	4000 4000	11 11	3 - 500 3 - 500	- 1 - 500	1 - 500 1 - 500	- -	3-1/2" 4"



GROUNDING RISER SYMBOLS

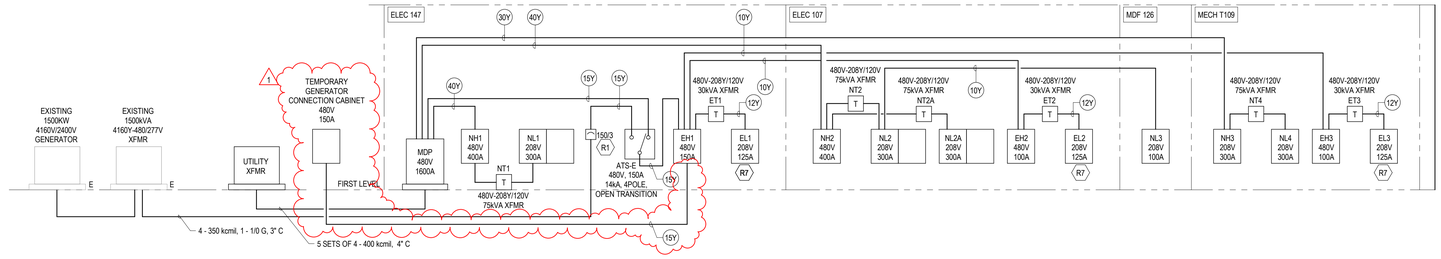
MEGB - MAIN ELECTRICAL GROUNDING BUSBAR, LOCATED IN MAIN ELECTRICAL ROOM
PGB - POWER GROUNDING BUSBAR, LOCATED IN ELECTRICAL CLOSETS
TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (A.K.A. PRIMARY BONDING BUSBAR), LOCATED IN MAIN TELECOMMUNICATIONS ROOM
TGB - TELECOMMUNICATIONS GROUNDING BUSBAR (A.K.A. SECONDARY BONDING BUSBAR), LOCATED IN TELECOMMUNICATIONS CLOSETS

SPLICE CONNECTION

MANUFACTURER'S REMOVABLE LINK CONNECTION

2 GROUNDING RISER DIAGRAM

NOT TO SCALE



1 ELECTRICAL ONE-LINE DIAGRAM

NOT TO SCALE

GROUNDING RISER GENERAL NOTES

A.	ALL GROUNDING SYSTEM WIRING ABOVE GRADE SHALL BE UN-INSULATED UNLESS OTHERWISE NOTED. GROUNDING CONDUCTORS ROUTED IN AIR PLENUM SPACES SHALL NOT BE IN CONDUIT. SEE SPECIFICATION 26 05 26 FOR ADDITIONAL GROUNDING REQUIREMENTS.
B.	MEGB = MAIN POWER GROUNDING BUSBAR PGB = POWER GROUNDING BUSBAR TMGB = TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TGB = TELECOMMUNICATIONS GROUNDING BUSBAR
C.	BURIED AND EMBEDDED GROUND CONDUCTORS SHALL BE #4/0 BARE COPPER UNLESS NOTED OTHERWISE
D.	EXOTHERMIC "CADWELD" CONNECTIONS SHALL BE USED FOR ALL BELOW-GRADE GROUNDING ELECTRODE CONNECTIONS, AND FOR ALL CABLE TO GROUND ROD CONNECTIONS. EXOTHERMIC "CADWELD" CONNECTIONS OR IRREVERSIBLE COMPRESSION CONNECTIONS SHALL BE USED FOR ABOVE GRADE CONNECTIONS.
E.	ALL GROUNDING SYSTEM CONDUCTORS SHALL BE LABELED AT EACH END.

KEYNOTES - SHEET

R1	ENCLOSED CIRCUIT BREAKER WILL BE A LSI BREAKER WITH A FRAME SIZE AT A MINIMUM OF 600A FOR SELECTIVE COORDINATION OF EMERGENCY SYSTEM PER NEC 700.32. BREAKER WILL HAVE LSI TRIP FEATURES.
R2	PROVIDE CONNECTION TO INTERIOR WATER PIPE CONNECTION PER NEC 250.52(A)(1). (INSTALL METER JUMPER AT MAIN AND AT SYSTEM INTERCONNECTING VALVES.) CONNECTION OF MEGB TO WATER PIPE SHALL BE MADE WITHIN 5' OF MAIN WATER PIPE ENTERING FACILITY.
R3	OTHER METAL PIPING CONNECTIONS PER NEC 250.104(B). PIPING SYSTEMS SHALL INCLUDE SANITARY SEWER, CHILLED WATER, STEAM, CONDENSATE, NATURAL GAS, AND ALL OTHER METALLIC PIPING SYSTEMS ENTERING BUILDING. SEE MECHANICAL SHEETS FOR EXACT QUANTITIES AND LOCATIONS OF PIPING SYSTEM(S) ENTRY INTO BUILDING.
R4	PROVIDE CONNECTION TO LIGHTNING PROTECTION SYSTEM, PER NEC 250.106.
R5	PROVIDE CONNECTION TO STRUCTURAL STEEL PER NEC 250.52(A)(2) AND 250.104(C).
R6	PROVIDE CONNECTION TO EARTH GROUNDING GRID PER NEC 250.52(A)(4) VIA BARE #4/0 AWG GROUNDING ELECTRODE CONDUCTOR.
R7	DO NOT REFER TO TRANSFORMER SCHEDULE FOR TYPICAL OVERCURRENT PROTECTION AND FEEDER SIZE FOR PANELBOARD. PANEL OVERCURRENT PROTECTION WILL BE 125A AND HAVE A FEEDER TAG MARK 12Y FOR BREAKER SELECTIVE COORDINATION ON EMERGENCY POWER PER NEC 700.32.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
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P. 414-909-8586

ENGINEERS OF RECORD:

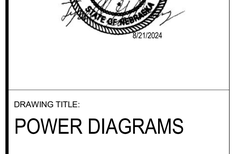
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



DRAWING TITLE:
POWER DIAGRAMS

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:
FR-EP-601

ELEVATOR & MECHANICAL EQUIPMENT SCHEDULE - FIRING RANGE

MARK	DESCRIPTION	LOCATION	VOLTS	PHASE	HP	AMPS	VA	PANEL/BRANCH	CB SIZE	FEEDER SIZE	CONNECTION			NOTES
											DIRECT	VFD	DISC. SW. (SIZE/FUSE) / STARTER	
AHU-1	RETURN FAN	AIR HANDELING UNIT 151	480	3	7	26.08	21657	NH1-2,4,6	40/3	4		X		1
	SUPPLY FAN		480	3	5.2	28.04	23283	NH1-8,10,12	40/3	4		X		1
	1 UV LTS		120	1		9.16	1100	NL1-31	20/1	(2) #12, (1) #10G - 3/4"C	X			
	LTS & RECEPT		120	1	-	4.17	500	NL1-18	20/1	(2) #12, (1) #10G - 3/4"C	X			
ACCU-1	AIR COOLED CONDENSING UNIT	EXTERIOR	480	3		93.3	77476	NH1-,43,45,47	110/3	11	X			4
B-1A	BOILER	MECHANICAL 144	120	1		20	2400	NL1-10	25/1	(2) #10, (1) #10G - 3/4"C	X		THERMAL SWITCH	
B-1B	BOILER	MECHANICAL 144	120	1		20	2400	NL1-12	25/1	(2) #10, (1) #10G - 3/4"C	X		THERMAL SWITCH	
DWRP-1	DOMESTIC WATER RECIRC PUMP	MECHANICAL 144	120	1	0.2		696	NL1-28	20/1	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
CP-126	CONDENSATE PUMP	MDF 126	120	1			372	NL3-5	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
CP-137	CONDENSATE PUMP	RANGE I.T. AREA 137	120	1			372	NL2-6	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
CP-148A	CONDENSATE PUMP	ELECTRICAL 148	120	1			372	NL1-20	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
CP-148B	CONDENSATE PUMP	ELECTRICAL 148	120	1			372	NL1-20	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
CP-T104	CONDENSATE PUMP	MACHINE ROOM T104	120	1			372	NL4-35	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
CP-T109	CONDENSATE PUMP	MECHANICAL T109	120	1			372	NL4-38	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
CU-126	CONDENSING UNIT	MDF 126	208	1		19.8	4118	NL3-1,3	25/2	(2) #10, (1) #10G - 3/4"C	X			3
CU-137	CONDENSING UNIT	RANGE I.T. AREA 137	208	1		18.3	3806	NL2-2,4	25/2	(2) #10, (1) #10G - 3/4"C	X			3
CU-142A	CONDENSING UNIT	ELECTRICAL 148	208	1		18.3	3806	NL1-2,4	25/2	(2) #10, (1) #10G - 3/4"C	X			3
CU-142B	CONDENSING UNIT	ELECTRICAL 148	208	1		18.3	3806	NL1-6,8	25/2	(2) #10, (1) #10G - 3/4"C	X			3
CU-T104	CONDENSING UNIT	MACHINE ROOM T104	208	1		18.3	3806	NL4-1,3	25/2	(2) #10, (1) #10G - 3/4"C	X			3
CU-T109	CONDENSING UNIT	MECHANICAL T109	208	1		18.3	3806	NL4-2,4	25/2	(2) #10, (1) #10G - 3/4"C	X			3
CUH-101	UNIT HEATER	VESTIBULE 101	120	1	1/6		528	NL2-1	15/1	(2) #12, (1) #10G - 3/4"C	X			4
CUH-108	CABINET UNIT HEATER	VESTIBULE 108	120	1	1/20		528	NL2-7	15/1	(2) #12, (1) #10G - 3/4"C	X			
CUH-120	CABINET UNIT HEATER CONNECTION 1	VESTIBULE 120	120	1	1/25		528	NL2-9	15/1	(2) #12, (1) #10G - 3/4"C	X			
	CABINET UNIT HEATER CONNECTION 2		120	1	1/20		528	NL2-11	15/1	(2) #12, (1) #10G - 3/4"C	X			
CUH-131	CABINET UNIT HEATER	VESTIBULE 131	120	1	1/20		528	NL1-11	15/1	(2) #12, (1) #10G - 3/4"C	X			
ECUH-T101	ELECTRICAL CABINET UNIT HEATER	CIRCULATION T101	208	1		14.2	2954	NL4-5,7	25/2	(2) #10, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T102	ELECTRICAL CABINET UNIT HEATER	STARCASE T102	208	1		19.2	3994	NL4-14,16	25/2	(2) #10, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T109	ELECTRICAL CABINET UNIT HEATER	MECHANICAL T109	208	1		9.6	1997	NL4-17,19	20/2	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T110	ELECTRICAL CABINET UNIT HEATER	CIRCULATION T110	208	1		9.6	1997	NL4-21,23	20/2	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T119	ELECTRICAL CABINET UNIT HEATER	STAIRCASE T119	208	1		9.6	1997	NL4-14,16	20/2	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T202	ELECTRICAL CABINET UNIT HEATER	CIRCULATION T202	208	1		9.6	1997	NL4-18,20	20/2	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T301	ELECTRICAL CABINET UNIT HEATER	CIRCULATION T301	208	1		9.6	1997	NL4-22,24	20/2	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
ECUH-T304	ELECTRICAL CABINET UNIT HEATER	CIRCULATION T304	208	1		14.2	2954	NL4-10,12	25/2	(2) #10, (1) #10G - 3/4"C	X		THERMAL SWITCH	
EF-1	EXHAUST FAN	ROOF	120	1	1/2	13.8	1656	NL2-3	20/1	(2) #10, (1) #10G - 3/4"C	X		30/1 NF	
EF-2	EXHAUST FAN	ROOF	120	1	1/4	5.8	696	NL2-5	20/1	(2) #10, (1) #10G - 3/4"C	X		30/1 NF	
ELEV-1														5
FAU-1	FORCED AIR UNIT	ROOF	480	3	60	68	56534	MDP-4	90/3	9		X	100/3 NF	2,8
FAU-2	FORCED AIR UNIT	ROOF	480	3	60	68	56534	MDP-5	90/3	9		X	100/3 NF	2,8
FAU-3	FORCED AIR UNIT	ROOF	480	3	60	68	56534	MDP-6	90/3	9		X	100/3 NF	2,8
HWP-1A	HOT WATER PUMP	MECHANICAL 144	480	3	7.5	11	9134	NH1-1,3,5	20/3	2		X		1
HWP-1B	HOT WATER PUMP	MECHANICAL 144	480	3	7.5	11	9134	NH1-7,9,11	20/3	2		X		1
HWCP-1	HOT WATER CIRC PUMP	MECHANICAL 144	120	1	1		750	NL1-16	20/1	(2) #12, (1) #10G - 3/4"C	HOA		DISCONNECT PROVIDED BY DIVISION 25	
HWCP-2	HOT WATER CIRC PUMP	ROOF	120	1	1		750	NL1-6	20/1	(2) #12, (1) #10G - 3/4"C	HOA		DISCONNECT PROVIDED BY DIVISION 25	
MAU-1	MAKE UP AIR UNIT	ROOF	480	3		137.9	114648	MDP-1	175/3	17		X	200/3 NF	2,8
MAU-2	MAKE UP AIR UNIT	ROOF	480	3		137.9	114648	MDP-2	175/3	17		X	200/3 NF	2,8
MAU-3	MAKE UP AIR UNIT	ROOF	480	3		137.9	114648	MDP-3	175/3	17		X	200/3 NF	2,8
MV-1	MIXING VALVE	MECHANICAL 144	120	1		4.16	499	NL1-30	20/1	(2) #10, (1) #10G - 3/4"C	X		CORD AND PLUG	
SS-126	SPLIT SYSTEM	MDF 126	208	1		0.37	64	-	-	(2) #10, (1) #10G - 3/4"C	X			3
SS-137	SPLIT SYSTEM	RANGE I.T. AREA 137	208	1		0.3	46	-	-	(2) #10, (1) #10G - 3/4"C	X			3
SS-142A	SPLIT SYSTEM	ELECTRICAL 148	208	1		0.3	46	-	-	(2) #10, (1) #10G - 3/4"C	X			3
SS-142B	SPLIT SYSTEM	ELECTRICAL 148	208	1		0.3	46	-	-	(2) #10, (1) #10G - 3/4"C	X			3
SS-T104	SPLIT SYSTEM	MACHINE ROOM T104	208	1		0.3	46	-	-	(2) #10, (1) #10G - 3/4"C	X			3
SS-T109	SPLIT SYSTEM	MECHANICAL T109	208	1		0.3	46	-	-	(2) #10, (1) #10G - 3/4"C	X			3
TF-1	TRANSFER FAN	CLASSROOM & A.V. STORAGE 106	120	1		1.5	70	NL2-28	15/1	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	
RTU-1	ROOF TOP UNIT	ROOF	480	3		92	76397	NH2-2,4,6	110/3	12		X	LOCAL DISCONNECT 200/3 NF	
	1 UV LTS		120			6	735	NL2-64	15/1	(2) #12, (1) #10G - 3/4"C	X			
	GFCI SERVICE RECEPT		-	-		-	-	-	-	-	X			9
RTU-2	ROOF TOP UNIT	ROOF	480	3		67.7	56218	NH3-1,3,5	90/3	9		X	LOCAL DISCONNECT 100/3 NF	
	1 UV LTS		120	1		6	735	NL4-36	15/1	(2) #12, (1) #10G - 3/4"C	X			
	GFCI SERVICE RECEPT		-	-		-	-	-	-	-	X			9
SP-1	SUMP PUMP	ELEVATOR T103	120	1	1		1920	NL4-42	20/1	(2) #12, (1) #10G - 3/4"C	X		CORD AND PLUG	
UH-120	UNIT HEATER	VESTIBULE 120	120	1	1/6		528	NL2A-43	15/1	(2) #12, (1) #10G - 3/4"C	X			4
UH-131	UNIT HEATER	VEHICLE VESTIBULE 131	120	1	1/6		528	NL1-11	15/1	(2) #12, (1) #10G - 3/4"C	X			4
UH-149	UNIT HEATER	FIRE PROTECTION 149	120	1	1/10		528	NL1-14	15/1	(2) #12, (1) #10G - 3/4"C	X			4
WS-1	WATER SOFTENER	MECHANICAL 144	120	1			22	NL1-26	15/1	(2) #12, (1) #10G - 3/4"C	X		THERMAL SWITCH	2

GENERAL NOTES:
A. PROVIDE NEMA 3R RATINGS FOR ALL EXTERIOR DEVICES.

NOTES:
1. VFD'S PROVIDED BY MECHANICAL CONTRACTOR. POWER CONNECTION BY ELECTRICAL CONTRACTOR. COORDINATE ALL INSTALLATION AND INTERCONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. CIRCUIT SIZE FROM THE FEEDER BREAKER TO THE VFD SHALL BE SIZED PER FEEDER BREAKER SIZE. THE CIRCUIT SIZE FROM THE VFD TO THE MOTOR SHALL BE SIZED PER THE OVERLOAD DEVICE IN THE VFD PER DIVISION 25 SPECIFICATIONS AND THE NEC. COORDINATE VFD LUG SIZES WITH ASSOCIATED CONDUCTORS. PROVIDE TAP BOXES OR REDUCERS IF NECESSARY.
2. PACKAGED CONTROL SYSTEM PROVIDED BY DIVISION 23. SINGLE POINT CONNECTION REQUIRED.
3. PROVIDE PRIMARY CONNECTION TO EXTERIOR AIR-COOLED CONDENSING UNIT. PROVIDE SECONDARY CONNECTION BETWEEN EXTERIOR CONDENSING UNIT AND INTERIOR SPLIT SYSTEM UNIT. INTERIOR UNIT IS FED FROM THE EXTERIOR CONDENSER. SEPARATE LOCAL DISCONNECT FOR FOR EXTERIOR AND INTERIOR UNIT PROVIDED BY DIVISION 23.
4. LOCAL DISCONNECT PROVIDED BY DIVISION 23.
5. SEE ELEVATOR ELECTRICAL ELEVATION DETAIL FOR ADDITIONAL INFORMATION.
6. PROVIDE ELEVATOR CONTROL SWITCH WITH INTEGRAL SHUNT TRIP AND FIRE SAFETY INTERFACE. REFER TO SPECIFICATION SECTION 26 28 16 FOR EXACT REQUREMENTS.
7. PROVIDE GROUND FAULT CIRCUIT BREAKER TO FEED EQUIPMENT (GFCI).
8. EQUIPMENT AND VFD SPECIFIED BY THRID PARTY VENDOR.

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

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231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

HDR

HDR ARCHITECTURE, INC.
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Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



8/21/2024

DRAWING TITLE:

POWER SCHEDULES

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

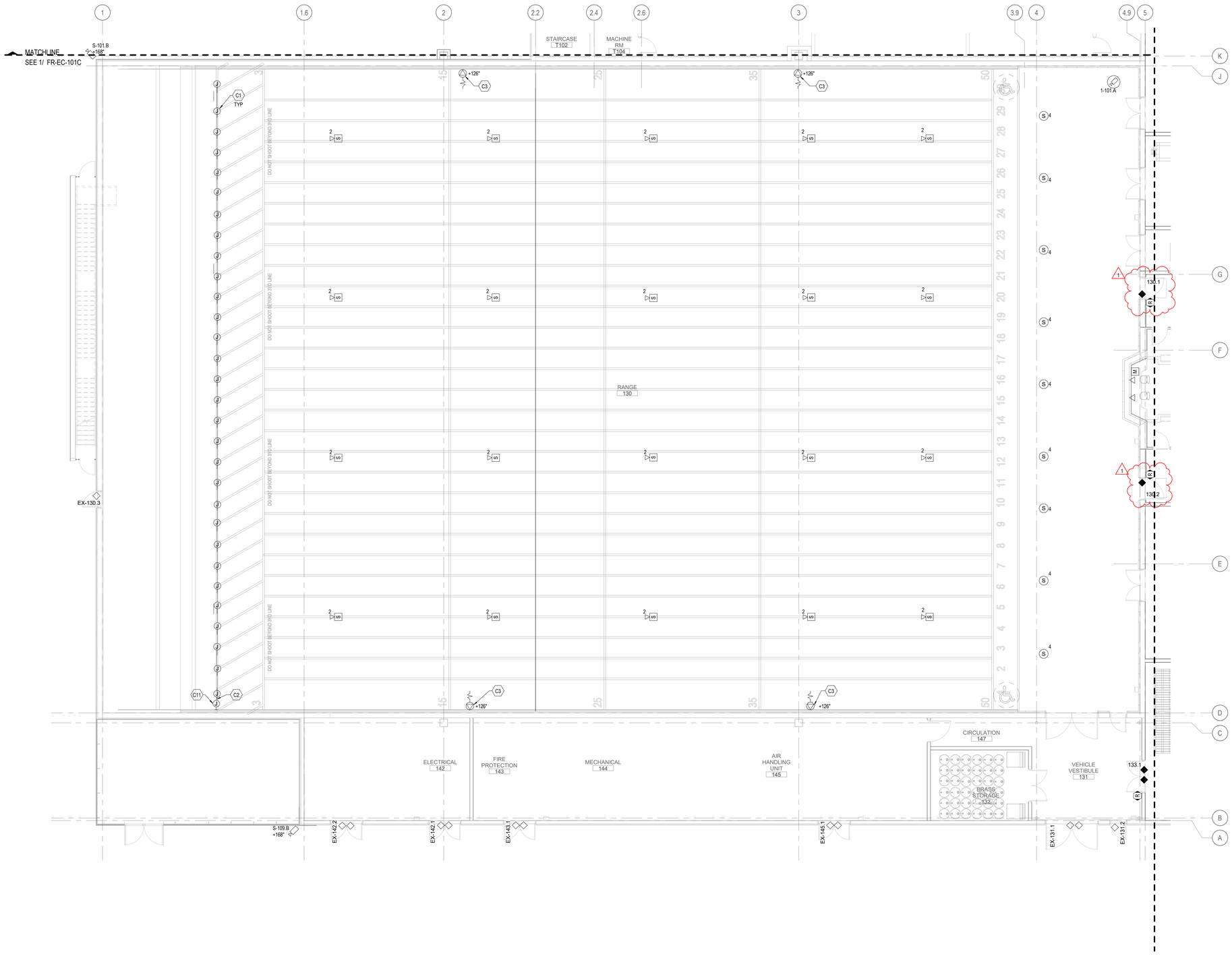
FR-EP-701

GENERAL NOTES

A.	REFER TO SHEET E-003.

KEYNOTES - SHEET

C1	PROVIDE 4 SQUARE J-BOX RANGE TARGET SYSTEM. PROVIDE (1) 1" CONDUIT FROM BOX TO ADJACENT BOX. COORDINATE INSTALLATION WITH TARGET SYSTEM VENDOR.
C2	PROVIDE (1) 1" CONDUIT TO RANGE TARGETRY PANEL. COORDINATE INSTALLATION WITH TARGET SYSTEM VENDOR.
C3	WIRELESS ACCESS POINT LOCATION FOR RANGE SYSTEM. PROVIDE (1) CAT 6 TO RANGE SYSTEM SERVER LOCATED IN RANGE I.T. AREA 137. COORDINATE INSTALLATION WITH RANGE SYSTEM VENDOR.
C11	PROVIDE 4 SQUARE J-BOX RANGE TARGET SYSTEM. PROVIDE (2) 1" CONDUITS FROM BOX TO RANGE SYSTEM SERVER IN RANGE I.T. AREA 137. COORDINATE INSTALLATION WITH TARGET SYSTEM VENDOR.



1 COMMUNICATIONS PLAN - FIRST LEVEL - AREA A
1/8" = 1'-0"

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

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DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

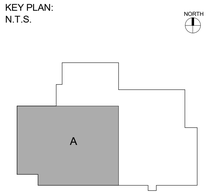
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
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AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



8/21/2024

8/21/2024

DRAWING TITLE:

COMMUNICATIONS PLAN - FIRST LEVEL - AREA A

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: ER	CHECKED BY: PG

DRAWING NUMBER:

FR-EC-101A

SWITCHBOARD: MDP

SYSTEM
LOCATION: ELECTRICAL-1 142-1
SOURCE: UTILITY
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 35000
DEMAND: 1285 A

MAINS
TYPE: MCB
RATING: 1600 A
OPTIONS: LSIG

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	LOAD	REMARKS
1	MAU-1	MN		175 A	3	114512 VA	
2	MAU-2	MN		175 A	3	114512 VA	
3	MAU-3	MN		175 A	3	114512 VA	
4	FAU-1 OCP	MN		90 A	3	56467 VA	
5	FAU-2 OCP	MN		90 A	3	56467 VA	
6	FAU-3 OCP	MN		90 A	3	56467 VA	
7	ATS-E	Spare; L; N	LSI	150 A	3	11977 VA	1
8	PANEL 'NH1'	Spare; L; N; R; C; MN	LSI	400 A	3	231086 VA	
9	PANEL 'NH2'	Spare; L; N; R; C; MN	LSI	400 A	3	232467 VA	
10	PANEL 'NH3'	Other; Spare; L; N; ...	LSI	300 A	3	99315 VA	
11	Space	--	--	--	1	--	
12	Space	--	--	--	1	--	
				TOTAL LOAD:		1077652 VA	
				TOTAL AMPS:		1296 A	

NOTES:
1. Minimum breaker frame size will be 800A for selective coordination of emergency system per NEC 700.32.

LOAD CLASSIFICATION KEY
L = LIGHTING
R = RECEPTACLE
K = KITCHEN
MC = MOTOR CONT
MN = MOTOR NONCONT
V = ELEVATOR
X = RADIOLOGY
C = CONTINUOUS
N = NONCONTINUOUS
E = EXISTING

BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LI = LI TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NH2 — NORMAL

SYSTEM
LOCATION: ELECTRICAL CLOSET...
SOURCE: MDP
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 18000
DEMAND: 258 A

MAINS
TYPE: MLO
RATING: 400 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 42

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1						2855...	3114...							2
3	PANEL 'NL2' VIA XFMR 'NT2'	Spare; L; N; ...		125 A	3		2771...	3114...	3	125 A		MN	RTU-1	4
5								2344...	3114...					6
7	LIGHTING SOUTHWEST	L		20 A	1	2418.0	1967...							8
9	LIGHTING NORTHEAST	L		20 A	1		1223.0	1573...	3	125 A		Spare; N; R;...	PANEL 'NL2A' VIA XFMR 'NT2A'	10
11	Spare	--	--	20 A	1			0.0	1590...					12
13	Spare	--	--	20 A	1	0.0	1932.8			20 A		L	LIGHTING SOUTH EAST	14
15	Spare	--	--	20 A	1		0.0	2450.0	1	20 A		L	LIGHTING NORTHWEST & HALLWAY	16
17	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --	Spare	18
19	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --	Spare	20
21	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --	Spare	22
23	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --	Spare	24
25	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --	Spare	26
27	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --	Spare	28
29	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --	Spare	30
31	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --	Spare	32
33	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --	Spare	34
35	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --	Spare	36
37	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --	Spare	38
39	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --	Spare	40
41	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --	Spare	42
				TOTAL LOAD:		83721 VA		78262 VA	70484 VA					
				TOTAL AMPS:		307 A		287 A	254 A					

NOTES:

LOAD CLASSIFICATION KEY
L = LIGHTING
R = RECEPTACLE
K = KITCHEN
MC = MOTOR CONT
MN = MOTOR NONCONT
V = ELEVATOR
X = RADIOLOGY
C = CONTINUOUS
N = NONCONTINUOUS
E = EXISTING

BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NH3 — NORMAL

SYSTEM
LOCATION: MECHANICAL T109
SOURCE: MDP
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 18000
DEMAND: 121 A

MAINS
TYPE: MLO
RATING: 400A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 42

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1						1652...	1876.0							2
3	RTU-2	MN		90 A	3		1652...	10.0						4
5								1652...	2373.0					6
7	LIGHTING LEVEL 3	L		20 A	1	167.0	10.0							8
9	EXTERIOR FACADE LIGHTING	L		20 A	1		190.0	384.0						10
11	Spare	--	--	20 A	1			0.0	0.0					12
13	Spare	--	--	20 A	1	0.0	0.0							14
15	Spare	--	--	20 A	1		0.0	0.0						16
17	Spare	--	--	20 A	1			0.0	0.0					18
19	Spare	--	--	20 A	1	0.0	0.0							20
21	Spare	--	--	20 A	1		0.0	0.0						22
23	Spare	--	--	20 A	1			0.0	0.0					24
25	Spare	--	--	20 A	1	0.0	0.0							26
27	Spare	--	--	20 A	1		0.0	0.0						28
29	Spare	--	--	20 A	1			0.0	0.0					30
31	Spare	--	--	20 A	1	0.0	0.0							32
33	Spare	--	--	20 A	1		0.0	0.0						34
35	Spare	--	--	20 A	1			0.0	0.0					36
37						1583...	0.0							38
39	PANEL 'NL4' VIA XFMR 'NT4'	Spare; N; R;...		125 A	3		1596...	0.0						40
41								1293...	0.0					42
				TOTAL LOAD:		34410 VA		33076 VA	31830 VA					
				TOTAL AMPS:		125 A		120 A	115 A					

NOTES:

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E = EXISTING

BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NH1 — NORMAL

SYSTEM
LOCATION: ELECTRICAL-1 142-1
SOURCE: MDP
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 35000
DEMAND: 282 A

MAINS
TYPE: MLO
RATING: 400 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 84

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1						3044.7	7219.0							2
3	HWP-1A	MN		20 A	3		3044.7	7219.0						4
5								3044.7	7219.0	3	40 A		MN	AHU-1; RETURN FAN	6
7						3044.7	7927.7							8
9	HWP-1B	MN		20 A	3		3044.7	7927.7						10
11								3044.7	7927.7	3	40 A		MN	AHU-1; SUPPLY FAN	12
13	LIGHTING FIREARMS SUPPORT	L		20 A	1	700.0	2377.0							14
15	RANGE LIGHTING	L		20 A	1		2465.0	2729.0						16
17	RANGE LIGHTING	L		20 A	1			2729.0	2729.0	1	20 A		L	RANGE LIGHTING	18
19	RANGE LIGHTING	L		20 A	1	2729.0	1.0			1	20 A		L	RANGE LIGHTING	20
21	RANGE LIGHTING	L		20 A	1		1.0	2729.0		1	20 A		L	RANGE LIGHTING	22
23	RANGE LIGHTING	L		20 A	1			1.0	2729.0	1	20 A		L	RANGE LIGHTING	24
25	RANGE LIGHTING	L		20 A	1	2729.0	1.0			1	20 A		L	RANGE LIGHTING	26
27	RANGE LIGHTING	L		20 A	1		2729.0	2729.0		1	20 A		L	RANGE LIGHTING	28
29	RANGE LIGHTING	L		20 A	1			1.0	2729.0	1	20 A		L	RANGE LIGHTING	30
31	RANGE LIGHTING	L		20 A	1	2729.0	1.0			1	20 A		L	RANGE LIGHTING	32
33	RANGE LIGHTING	L		20 A	1		2729.0	2729.0		1	20 A		L	RANGE LIGHTING	34
35	LIGHTING CONTROL PANEL - OSR1S	C		20 A	1			30.0	353.0	1	20 A		L	RANGE LIGHTING	36
37						1621...	2729.0			1	20 A		L	RANGE LIGHTING	38
39	PANEL 'NL1' VIA XFMR 'NT1'	Spare; L; N; ...		125 A	3		1265...	2729.0		1	20 A		L	RANGE LIGHTING	40
41								1103...	1.0	1	20 A		L	RANGE LIGHTING	42
43						2582...	2875.0			1	20 A		L	EXTERIOR POLE LIGHTING	44
45	ACCU-1	MN		110 A	3		2582...	253.8		1	20 A		L	EXTERIOR FACADE LIGHTING	46
47								2582...	0.0	1	20 A	-- --		Spare	48
49	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --		Spare	50
51	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --		Spare	52
53	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --		Spare	54
55	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --		Spare	56
57	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --		Spare	58
59	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --		Spare	60
61	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --		Spare	62
63	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --		Spare	64
65	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --		Spare	66
67	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --		Spare	68
69	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --		Spare	70
71	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --		Spare	72
73	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --		Spare	74
75	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --		Spare	76
77	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --		Spare	78
79	Spare	--	--	20 A	1	0.0	0.0			1	20 A	-- --		Spare	80
81	Spare	--	--	20 A	1		0.0	0.0		1	20 A	-- --		Spare	82
83	Spare	--	--	20 A	1			0.0	0.0	1	20 A	-- --		Spare	84
				TOTAL LOAD:		80148 VA		81535 VA	69402 VA						
				TOTAL AMPS:		295 A		300 A	251 A						

NOTES:

LOAD CLASSIFICATION KEY
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BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NL2 — NORMAL

SYSTEM
LOCATION: ELECTRICAL CLOSET...
SOURCE: NT2
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 188 A

MAINS
TYPE: MCB
RATING: 300 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 2
POLES EA: 42

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	CUH-101	MN		15 A	1	528.0	3411.0							2
3	EF-1	MN		20 A	1			792.0	3411.0	2	25 A		MN	CU-137	4
5	EF-2	MN		20 A	1				792.0	180.0	1	20 A	R	CP-137	6
7	BREAK AREA 128	R		20 A	1	720.0	750.0				1	20 A	MN	HWCP-2	8
9	BREAK AREA 128	R		20 A	1			360.0	1260.0		1	20 A	R	CLASSROOM 104	10
11	BREAK AREA 128	R		20 A	1				360.0	1260.0	1	20 A	R	CLASSROOM 104	12
13	BREAK AREA 128, REFRIG	R		20 A	1	800.0	1260.0				1	20 A	N; R	CLASSROOM 104	14
15	BREAK AREA 128, REFRIG	R		20 A	1			800.0	1000.0		1	20 A	R	CLASSROOM 104, FLOOR BOXES	16
17	BREAK AREA 128, FLOOR BOXES	R		20 A	1				1440.0	1000.0	1	20 A	R	CLASSROOM 104, FLOOR BOXES	18
19	GEAR & AMMO STOR 129, WTR FOUN	N		20 A	1	180.0	1000.0				1	20 A	R	CLASSROOM 104, FLOOR BOXES	20
21	GEAR & AMMO STOR 129, WTR FOUN	N		20 A	1			180.0	1500.0		1	20 A	R	CLASSROOM 104, FLOOR BOXES	22
23	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1				2000.0	1000.0	1	20 A	R	CLASSROOM 104, FLOOR BOXES	24
25	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1	2000.0	1000.0				1	20 A	R	CLASSROOM 104, FLOOR BOXES	26
27	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1			2000.0	720.0		1	20 A	R	A.V. STORAGE 106, DATA RACK	28
29	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1				2500.0	720.0	1	20 A	R	A.V. STORAGE 105, DATA RACK	30
31	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1	2000.0	1080.0				1	20 A	R	RM 106, 105	32
33	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1			2000.0	70.0		1	20 A	MN	TF-1	34
35	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1				2000.0	1260.0	1	20 A	R	CLASSROOM 103	36
37	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1	2000.0	1260.0				1	20 A	R	CLASSROOM 103	38
39	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1			2000.0	1260.0		1	20 A	N; R	CLASSROOM 103	40
41	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1				2000.0	1000.0	1	20 A	R	CLASSROOM 103, FLOOR BOXES	42
43	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1	2000.0	1000.0				1	20 A	R	CLASSROOM 103, FLOOR BOXES	44
45	GEAR STOR FOR STUDENTS-1 129-1	N		20 A	1			2500.0	1000.0		1	20 A	R	CLASSROOM 103, FLOOR BOXES	46
47	RM 133, 134, 135	R		20 A	1				540.0	1500.0	1	20 A	R	CLASSROOM 103, FLOOR BOXES	48
49	RANGE I.T. AREA 137	R		20 A	1	360.0	1000.0				1	20 A	R	CLASSROOM 103, FLOOR BOXES	50
51	RANGE I.T. AREA 137	R		20 A	1			180.0	1000.0		1	20 A	R	CLASSROOM 103, FLOOR BOXES	52
53	RANGE I.T. AREA 137	R		20 A	1				180.0	720.0	1	20 A	R	WEAPONS VAULT 127	54
55	CONTROL ROOM 136	R		20 A	1	1080.0	720.0				1	20 A	R	WEAPONS VAULT 127	56
57	RM 123, 125, 124	R		20 A	1			900.0	1000.0		1	20 A	MN	VESTIBULE 101, AUTO DOORS	58
59	CIRCULATION 102, WTR FOUN	N	G5	20 A	1				180.0	1000.0	1	20 A	MN	VESTIBULE 108, AUTO DOORS	60
61	CIRCULATION 102, WTR FOUN	N	G5	20 A	1	180.0	1000.0				1	20 A	L	AIRLOCK 135, 138, NURSE 139	62
63	CIRCULATION 102	R		20 A	1			540.0	735.0		1	20 A	N	AHU RTU-1 - UV LTG	64
65	SOUTHEAST/EAST/NORTH EXTER.	R		20 A	1					360.0	0.0	1	20 A	-- --	Spare	66
67	Spare	--	--	20 A	1	0.0	0.0					1	20 A	-- --	Spare	68
69	Spare	--	--	20 A	1			0.0	0.0			1	20 A	-- --	Spare	70
71	Spare	--	--	20 A	1				0.0	0.0		1	20 A	-- --	Spare	72
73	Spare	--	--	20 A	1	0.0	0.0					1	20 A	-- --	Spare	74
75	Spare	--	--	20 A	1			0.0	0.0			1	20 A	-- --	Spare	76
77	Spare	--	--	20 A	1				0.0	0.0		1	20 A	-- --	Spare	78
79						3223.0	0.0									80
81	NL3	Spare; R; C;...		100 A	3			2503.0	0.0		3	30 A	-- --	SPD	82
83									1452.0	0.0					84
				TOTAL LOAD:		28552 VA		27711 VA	23444 VA						
				TOTAL AMPS:		243 A		236 A	195 A						

NOTES:

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BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NL3 — NORMAL

SYSTEM
LOCATION: MDF 126
SOURCE: NL2
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 19 A

MAINS
TYPE: MLO
RATING: 100A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	CU-126/SS-126	MN		25 A	2	1643.0	500.0							2
3							1643.0	360.0						4
5	CP-126	MN	G5	20 A	1			372.0	720.0					6
7	MDF 126	R		20 A	1	360.0	360.0							8
9	Spare	--	--	20 A	1		0.0	500.0						10
11	Spare	--	--	20 A	1			0.0	360.0					12
13	Spare	--	--	20 A	1	0.0	360.0							14
15	Spare	--	--	20 A	1		0.0	0.0						16
17	Spare	--	--	20 A	1			0.0	0.0					18
19	Spare	--	--	20 A	1	0.0	0.0							20
21	Spare	--	--	20 A	1		0.0	0.0						22
23	Spare	--	--	20 A	1			0.0	0.0					24
25	Spare	--	--	20 A	1	0.0	0.0							26
27	Spare	--	--	20 A	1		0.0	0.0						28
29	Spare	--	--	20 A	1			0.0	0.0					30
				TOTAL LOAD:		3223 VA		2503 VA	1452 VA					
				TOTAL AMPS:		28 A		22 A	12 A					

NOTES:

LOAD CLASSIFICATION KEY
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BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NL4 — NORMAL

SYSTEM
LOCATION: MECHANICAL T109
SOURCE: NT3
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 124 A

MAINS
TYPE: MCB
RATING: 300A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 54

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	CU-T104/SS-T104	MN		25 A	2	3411.0	3411.0							2
3							3411.0	3411.0						4
5	ECUH-T101	MN		25 A	2			1477.0	1477.0					6
7						1477.0	1477.0							8
9	ECUH-T102	MN		25 A	2		1997.0	998.5						10
11								1997.0	998.5					12
13	Spare	--	--	20 A	1	0.0	998.5							14
15	Spare	--	--	20 A	1		0.0	998.5						16
17	ECUH-T109	MN		20 A	2			998.5	998.5					18
19						998.5	998.5							20
21	ECUH-T110	MN		20 A	2		998.5	1080.0						22
23								998.5	720.0					24
25	RM T104, T105, T106, T107, T108	R		20 A	1	900.0	720.0							26
27	RM T101, T110	R		20 A	1		900.0	720.0						28
29	RM T112, T113, T111	R		20 A	1			720.0	1080.0					30
31	RM T115, T116, T118, T119	R		20 A	1	900.0	540.0							32
33	TAC HOUSE EXTERIOR	R		20 A	1		1080.0	372.0						34
35	CP-T104	MN		20 A	1			372.0	735.0					36
37	Spare	--	--	20 A	1	0.0	0.0							38
39	Spare	--	--	20 A	1		0.0	0.0						40
41	Spare	--	--	20 A	1			0.0	360.0					42
43	Spare	--	--	20 A	1	0.0	0.0							44
45	Spare	--	--	20 A	1		0.0	0.0						46
47	Spare	--	--	20 A	1			0.0	0.0					48
49	Spare	--	--	20 A	1	0.0	0.0							50
51	Spare	--	--	20 A	1		0.0	0.0						52
53	Spare	--	--	20 A	1			0.0	0.0					54
				TOTAL LOAD:		15832 VA		15967 VA	12932 VA					
				TOTAL AMPS:		136 A		137 A	108 A					

NOTES:

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BREAKER OPTION KEY
BLANK = STANDARD LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA) LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)
AF = ARC FAULT BKR
ST = SHUNT TRIP BKR
LK = HANDLE LOCK HASP

PANEL: NL1 — NORMAL

SYSTEM
LOCATION: ELECTRICAL-1 142-1
SOURCE: NT1
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 85 A

MAINS
TYPE: MCB
RATING: 300 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 2
POLES EA: 42

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	TCP-1 (Target)	N		20 A	1	1920.0	3411.0							2
3	TCP-2 (Target)	N		20 A	1		1920.0	3411.0	2	25 A		MN	CU-148A/SS-148A	4
5	TCP-3 (Target)	N		20 A	1			1920.0	3411.0					6
7	TCP-4 (

PANEL: EH1 — EMERGENCY

SYSTEM
LOCATION: ELECTRICAL-1 142-1
SOURCE: ATS-E
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 14000
DEMAND: 16 A

MAINS
TYPE: MCB
RATING: 150A
OPTIONS: LK

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1						1100.0 91.0			1	20 A	--	L	EXTERIOR FACADE LIGHTING	2
3	PANEL 'EL1' VIA XFMR 'ET1'	Spare; N	LSI	50 A	3		1100.0 305.0		1	20 A	--	L	LIGHTING SOUTHWEST	4
5								0.0 624.0	1	20 A	--	L	RANGE LIGHTING	6
7	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	8
9	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	10
11	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	12
13	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	14
15	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	16
17	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	18
19	Spare	--	--	20 A	1	0.0 1852.0								20
21	Spare	--	--	20 A	1		0.0 1457.0		3	100 A		Spare; L; N	PANEL 'EH3'	22
23	Spare	--	--	20 A	1			0.0 1118.0						24
25						1959.0 0.0								26
27	PANEL 'EH2'	Spare; L; N		100 A	3		1252.0 0.0		3	150 A		Other	GENERATOR CONNECTION BOX	28
29								1119.0 0.0						30
		TOTAL LOAD:				5002 VA	4114 VA	2861 VA						
		TOTAL AMPS:				19 A	16 A	10 A						

NOTES:

LOAD CLASSIFICATION KEY

L = LIGHTING	V = ELEVATOR
R = RECEPTACLE	X = RADIOLOGY
K = KITCHEN	C = CONTINUOUS
MC = MOTOR CONT	N = NONCONTINUOUS
MN = MOTOR NONCONT	E = EXISTING

BREAKER OPTION KEY

BLANK = STANDARD	LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA)	LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)	
AF = ARC FAULT BKR	
ST = SHUNT TRIP BKR	
LK = HANDLE LOCK HASP	

PANEL: EH2 — EMERGENCY

SYSTEM
LOCATION: ELECTRICAL CLOSET...
SOURCE: EH1
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 14000
DEMAND: 6 A

MAINS
TYPE: MLO
RATING: 100A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1						1000.0 542.0			1	20 A	--	L	LIGHTING SOUTHWEST	2
3	PANEL 'EL2' VIA XFMR 'ET2'	Spare; N	LSI	50 A	3		500.0 752.0		1	20 A	--	L	LIGHTING CLASSROOMS	4
5								500.0 619.0	1	20 A	--	L	LIGHTING NORTHWEST & HALLWAY	6
7	LIGHTING NORTHEAST	L		20 A	1	417.0 0.0			1	20 A	--	--	Spare	8
9	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	10
11	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	12
13	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	14
15	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	16
17	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	18
19	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	20
21	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	22
23	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	24
25	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	26
27	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	28
29	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	30
		TOTAL LOAD:				1959 VA	1252 VA	1119 VA						
		TOTAL AMPS:				7 A	5 A	4 A						

NOTES:

LOAD CLASSIFICATION KEY

L = LIGHTING	V = ELEVATOR
R = RECEPTACLE	X = RADIOLOGY
K = KITCHEN	C = CONTINUOUS
MC = MOTOR CONT	N = NONCONTINUOUS
MN = MOTOR NONCONT	E = EXISTING

BREAKER OPTION KEY

BLANK = STANDARD	LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA)	LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)	
AF = ARC FAULT BKR	
ST = SHUNT TRIP BKR	
LK = HANDLE LOCK HASP	

PANEL: EH3 — EMERGENCY

SYSTEM
LOCATION: MECHANICAL T109
SOURCE: EH1
VOLTAGE: 480Y/277V 3Ø 4W
MIN AIC: 14000
DEMAND: 6 A

MAINS
TYPE: MLO
RATING: 100A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1						1000.0 447.0			1	20 A	--	L	LIGHTING LEVEL 1 SOUTH	2
3	PANEL 'EL3' VIA XFMR 'ET3'	Spare; N	LSI	50 A	3		500.0 677.0		1	20 A	--	L	LIGHTING LEVEL 1 NORTH	4
5								500.0 618.0	1	20 A	--	L	LIGHTING LEVEL 2	6
7	LIGHTING STAIRCASE	L		20 A	1	278.0 127.0			1	20 A	--	L	CIRCULATION T301	8
9	EXTERIOR FACADE LIGHTING	L	--	20 A	1		280.0 0.0		1	20 A	--	--	Spare	10
11	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	12
13	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	14
15	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	16
17	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	18
19	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	20
21	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	22
23	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	24
25	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	26
27	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	28
29	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	30
		TOTAL LOAD:				1852 VA	1457 VA	1118 VA						
		TOTAL AMPS:				7 A	5 A	4 A						

NOTES:

LOAD CLASSIFICATION KEY

L = LIGHTING	V = ELEVATOR
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MC = MOTOR CONT	N = NONCONTINUOUS
MN = MOTOR NONCONT	E = EXISTING

BREAKER OPTION KEY

BLANK = STANDARD	LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA)	LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)	
AF = ARC FAULT BKR	
ST = SHUNT TRIP BKR	
LK = HANDLE LOCK HASP	

PANEL: EL1 — EMERGENCY

SYSTEM
LOCATION: ELECTRICAL-1 142-1
SOURCE: ET1
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 6 A

MAINS
TYPE: MCB
RATING: 125 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	RANGE 130, FSD	N		20 A	1	500.0 600.0			2	20 A	--	N	NITROGEN CABINET	4
3	RANGE 130, FSD	N		20 A	1		500.0 600.0							
5	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	6
7	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	8
9	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	10
11	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	12
13	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	14
15	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	16
17	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	18
19	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	20
21	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	22
23	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	24
25	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	26
27	Spare	--	--	20 A	1		0.0 0.0		3	30 A	--	--	SPD	28
29	Spare	--	--	20 A	1			0.0 0.0						30
		TOTAL LOAD:				1100 VA	1100 VA	0 VA						
		TOTAL AMPS:				11 A	11 A	0 A						

NOTES:

LOAD CLASSIFICATION KEY

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BREAKER OPTION KEY

BLANK = STANDARD	LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA)	LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)	
AF = ARC FAULT BKR	
ST = SHUNT TRIP BKR	
LK = HANDLE LOCK HASP	

PANEL: EL2 — EMERGENCY

SYSTEM
LOCATION: ELECTRICAL CLOSET...
SOURCE: ET2
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 6 A

MAINS
TYPE: MCB
RATING: 125 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	CIRCULATION 102, FSD	N		20 A	1	500.0 0.0			1	20 A	--	--	Spare	2
3	CIRCULATION 102, FSD	N		20 A	1		500.0 0.0		1	20 A	--	--	Spare	4
5	CIRCULATION 102, FSD	N		20 A	1			500.0 0.0	1	20 A	--	--	Spare	6
7	CIRCULATION 102, FSD	N		20 A	1	500.0 0.0			1	20 A	--	--	Spare	8
9	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	10
11	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	12
13	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	14
15	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	16
17	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	18
19	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	20
21	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	22
23	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	24
25	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	26
27	Spare	--	--	20 A	1		0.0 0.0		3	30 A	--	--	SPD	28
29	Spare	--	--	20 A	1			0.0 0.0						30
		TOTAL LOAD:				1000 VA	500 VA	500 VA						
		TOTAL AMPS:				8 A	4 A	4 A						

NOTES:

LOAD CLASSIFICATION KEY

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G3 = GROUND FAULT BKR (30mA)	
AF = ARC FAULT BKR	
ST = SHUNT TRIP BKR	
LK = HANDLE LOCK HASP	

PANEL: EL3 — EMERGENCY

SYSTEM
LOCATION: MECHANICAL T109
SOURCE: ET3
VOLTAGE: 208Y/120V 3Ø 4W
MIN AIC: 10000
DEMAND: 6 A

MAINS
TYPE: MCB
RATING: 125 A
OPTIONS:

PHYSICAL DATA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SECTIONS: 1
POLES EA: 30

OPTIONS

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	BKR OPT	TRIP	P	A	B	C	P	TRIP	BKR OPT	LOAD CLASS	CIRCUIT DESCRIPTION	CKT
1	CIRCULATION T101, FSD	N		20 A	1	500.0 0.0			1	20 A	--	--	Spare	2
3	CIRCULATION T101, FSD	N		20 A	1		500.0 0.0		1	20 A	--	--	Spare	4
5	CIRCULATION T201, FSD	N		20 A	1			500.0 0.0	1	20 A	--	--	Spare	6
7	CIRCULATION T201, FSD	N		20 A	1	500.0 0.0			1	20 A	--	--	Spare	8
9	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	10
11	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	12
13	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	14
15	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	16
17	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	18
19	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	20
21	Spare	--	--	20 A	1		0.0 0.0		1	20 A	--	--	Spare	22
23	Spare	--	--	20 A	1			0.0 0.0	1	20 A	--	--	Spare	24
25	Spare	--	--	20 A	1	0.0 0.0			1	20 A	--	--	Spare	26
27	Spare	--	--	20 A	1		0.0 0.0		3	30 A	--	--	SPD	28
29	Spare	--	--	20 A	1			0.0 0.0						30
		TOTAL LOAD:				1000 VA	500 VA	500 VA						
		TOTAL AMPS:				8 A	4 A	4 A						

NOTES:

LOAD CLASSIFICATION KEY

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MC = MOTOR CONT	N = NONCONTINUOUS
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BREAKER OPTION KEY

BLANK = STANDARD	LSI = LSI TRIP UNIT
G5 = GROUND FAULT BKR (5mA)	LS = LS TRIP UNIT
G3 = GROUND FAULT BKR (30mA)	
AF = ARC FAULT BKR	
ST = SHUNT TRIP BKR	
LK = HANDLE LOCK HASP	

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

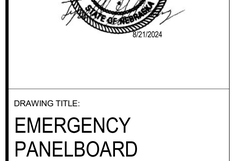
ENGINEERS OF RECORD:

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

FIREARMS RANGE BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:
NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:
NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:
3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

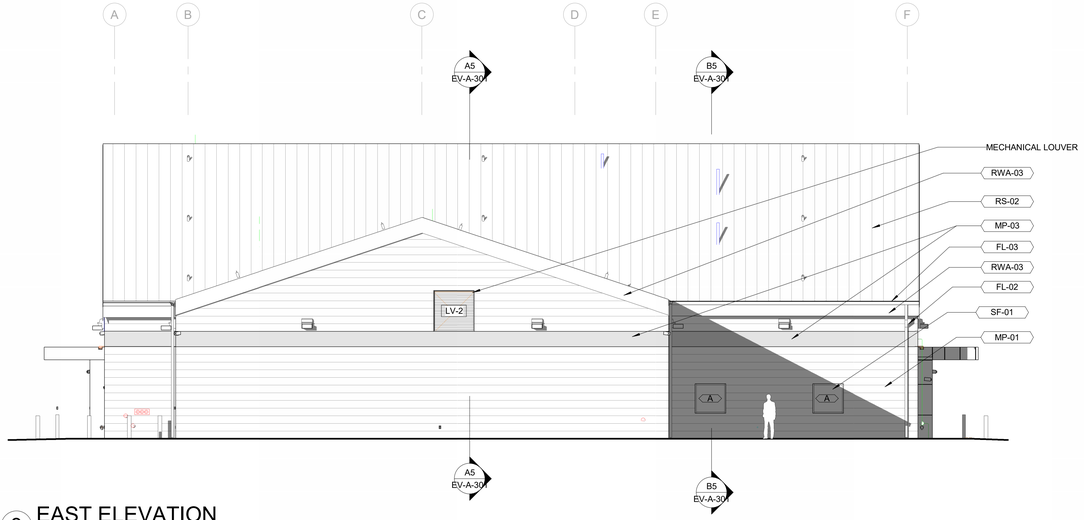
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DRAWING TITLE:
EMERGENCY PANELBOARD SCHEDULES

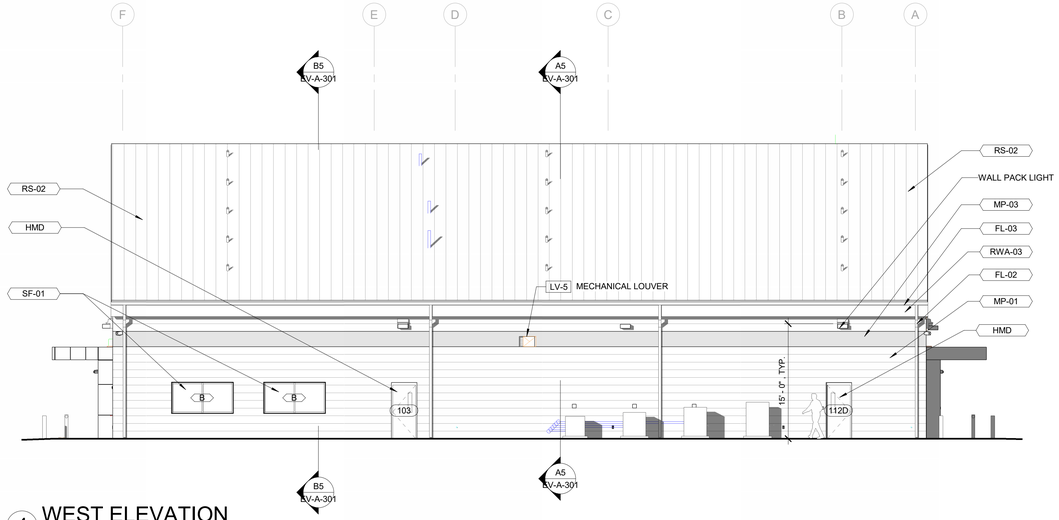
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DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:
FR-E-702



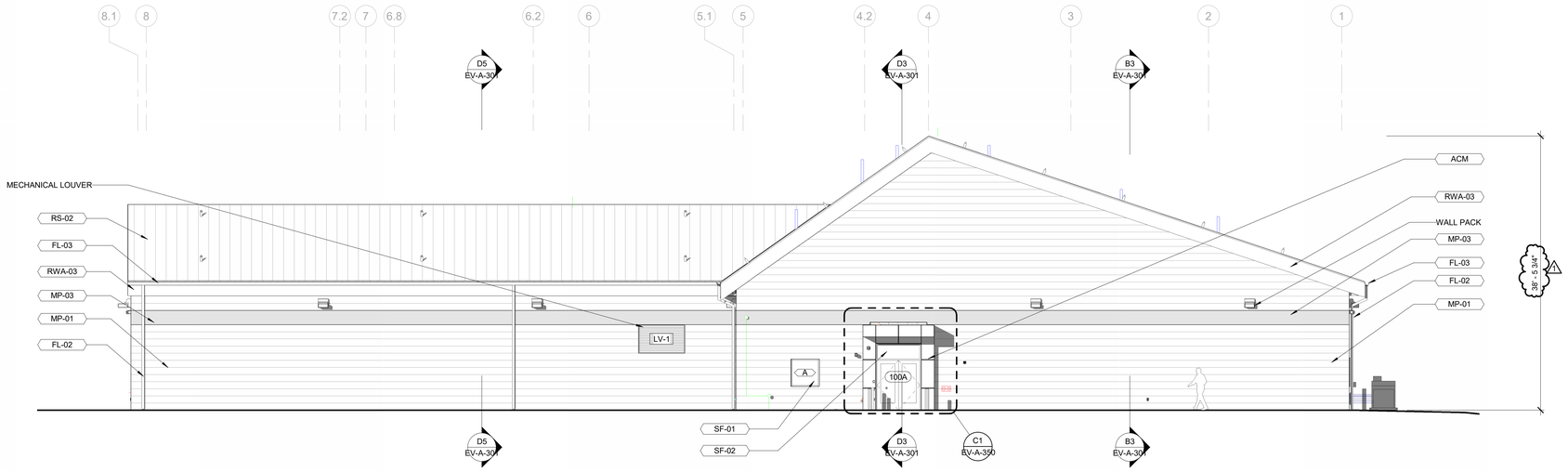
3 EAST ELEVATION

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



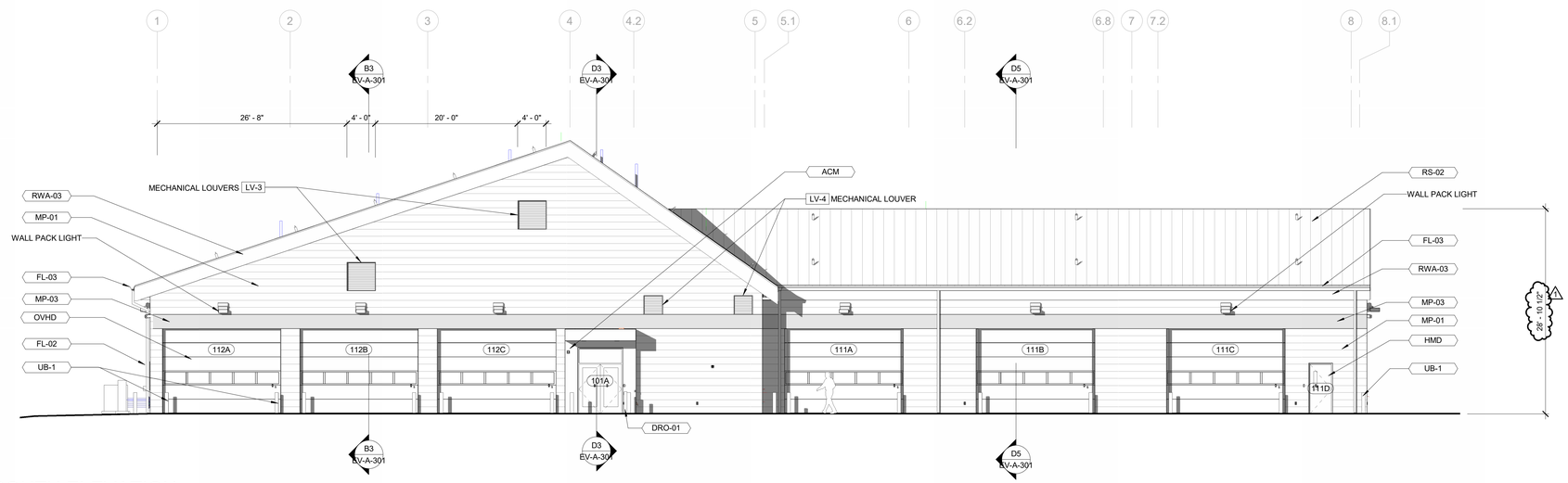
4 WEST ELEVATION

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



2 NORTH ELEVATION

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



1 SOUTH ELEVATION

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

KEYNOTES PER SHEET	
NOTE	DESCRIPTION
ACM	07 4213.23 - ALUMINUM COMPOSITE METAL PANEL
DRO-01	08 7113 - ADA AUTOMATIC DOOR OPENER - POST
FL-02	07 6200 - SCUPPER AND DOWNSPOUT
FL-03	07 6200 - GUTTER
HMD	08 1113 - HOLLOW METAL DOORS AND FRAMES
MP-01	07 4213.13 - METAL WALL PANELS (LIGHT GRAY)
MP-03	07 4213.13 - METAL WALL PANELS (BLUE)
OVHD	08 3616 - INSULATED STEEL SECTIONAL DOOR WITH VISION GLASS
RS-02	07 4113.16 - STANDING-SEAM METAL ROOF
RWA-03	07 7100 - ALUMINUM FASCIA
SF-01	08 4113 - ALUMINUM-FRAMED STOREFRONTS
SF-02	08 4113 - ALUMINUM-FRAMED ENTRANCES
UB-1	05 5000 - UTILITY BOLLARD (CORE-IN) (SEE CIVIL)

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502.
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

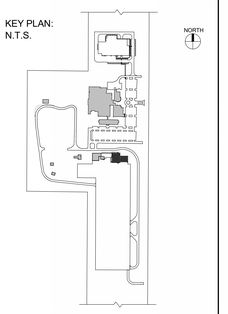
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

EVOC BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS		
NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



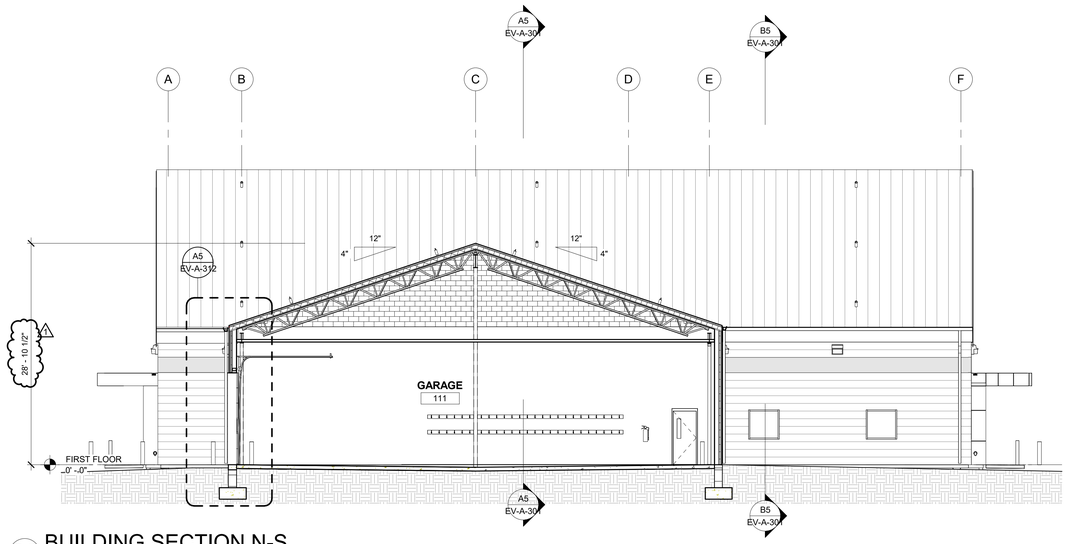
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EXTERIOR ELEVATIONS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	RS
CHECKED BY:	LP

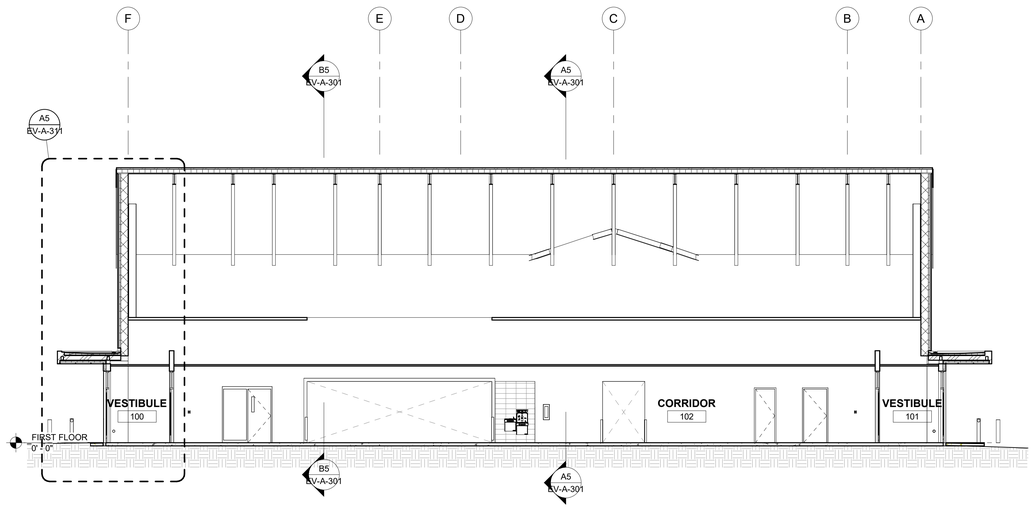
DRAWING NUMBER:

EV-A-201



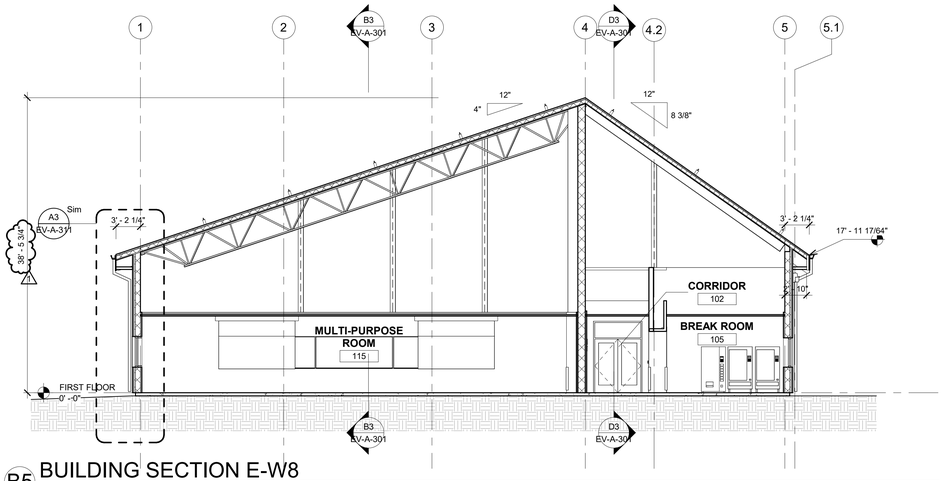
D5 BUILDING SECTION N-S

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



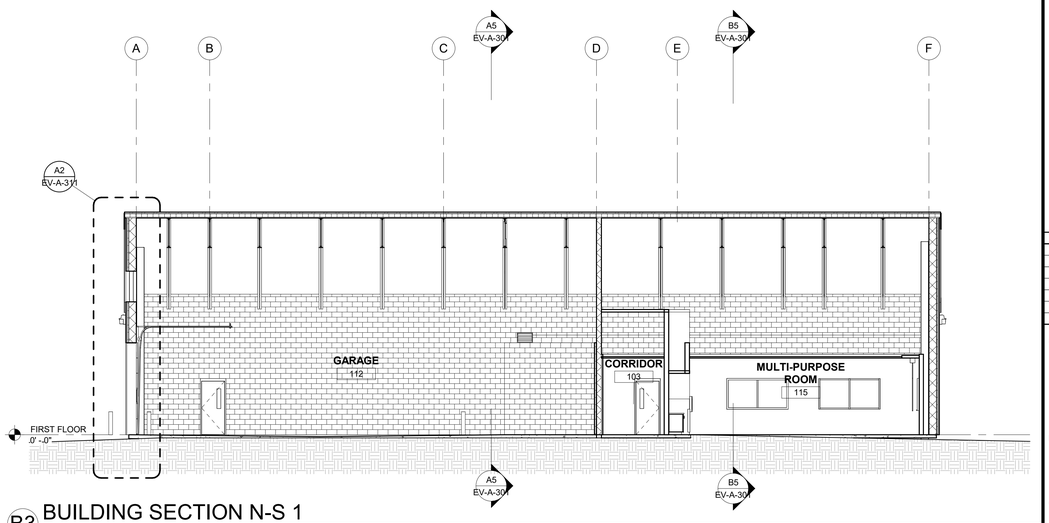
D3 BUILDING SECTION N-S 4

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



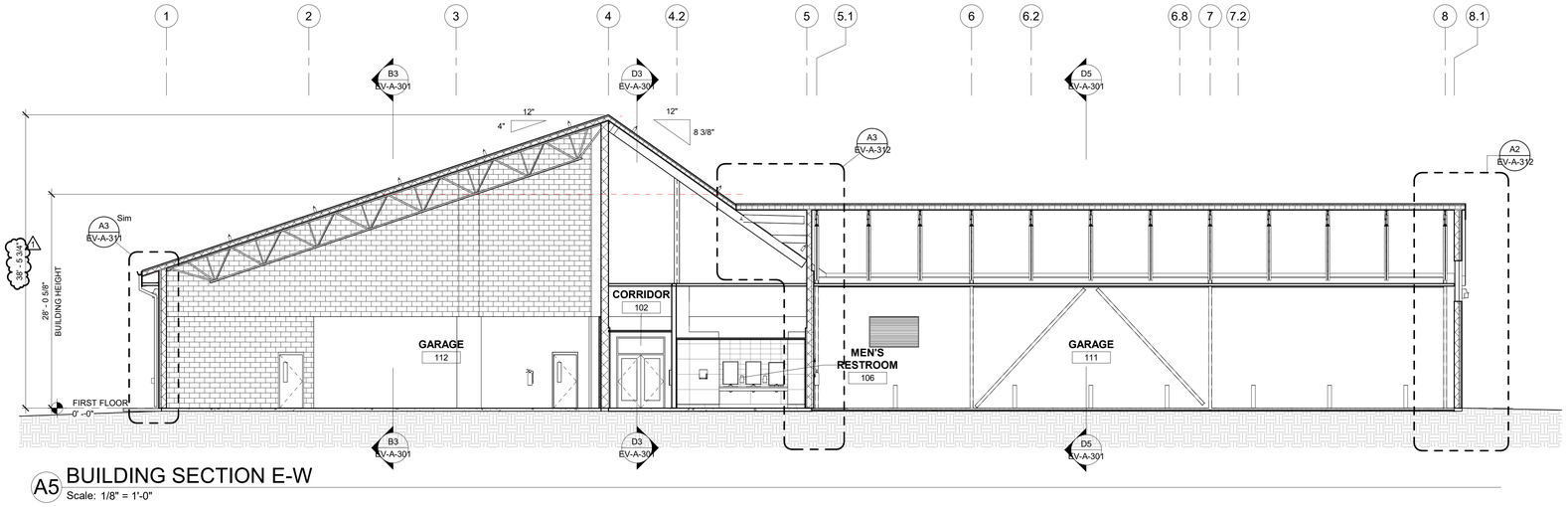
B5 BUILDING SECTION E-W8

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



B3 BUILDING SECTION N-S 1

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



A5 BUILDING SECTION E-W

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

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

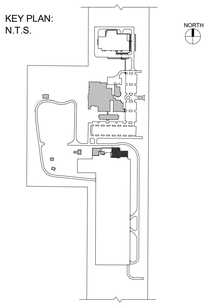
ENGINEERS OF RECORD:

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

EVOC BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD,
GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



DRAWING TITLE:

BUILDING SECTIONS

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	RS
CHECKED BY:	LP

DRAWING NUMBER:

EV-A-301

Hardware Sets

Set #EVOC 1 - Overhead

1	Padlock	41B-772L M1	606	BE
1	Core	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC

Set #EVOC 2 - Card Reader

1	Continuous Hinge	662HD	628	ST
1	Door Loop	PT3	689	SD
1	Exit Device	ELR TS 2103 CD	630	PR
1	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Rim Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Flush Pull	1111C	630	TR
1	Door Closer	4041XP CUSH	689	LC
1	Kick Plate	K0050 8"	630	TR
1	Door Position Switch	1078 CW		SE
1	Power Supply	ELR151	600	PR
1	Card Reader	BY SECURITY		BY
1	Weatherstrip	700 ES	628	NA
1	Door Sweep	C627 A	628	NA
1	Threshold	896 S	628	NA

Set #EVOC 3 - Card Reader, Automatic

2	Continuous Hinge	662HD	628	BE
1	Mullion	KR822	689	PR
1	Rim Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Door Loop	PT3	689	SD
1	Exit Device	2402 CD	630	PR
1	Exit Device	ELR 2403 CD	630	PR
2	Door Pull	AP311 30"	630	TR
2	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Rim Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Low Energy Operator	D-4990	689	BE
1	Closer	4041XP TJ X PLATE	689	LC
2	Overhead Stop	N 1020	630	AB
2	Door Position Switch	1078 CW		SE
1	Power Supply	ELR152	600	PR
1	Card Reader	BY SECURITY		BY
1	Weatherstrip	700 ES	628	NA
2	Door Sweep	C627 A	628	NA
1	Threshold	896 S	628	NA

NOTE: Provide hands free actuators as required.

Set #EVOC 4 - Vestibule

2	Continuous Hinge	662HD	628	BE
2	Dummy Touchbar	N673DR	630	PR
2	Door Pull	AP311 30"	630	TR
1	Low Energy Operator	D-4990	689	BE
1	Closer	4041XP TJ X PLATE	689	LC
2	Wall Bumper	1270CVSV	626	TR

Set #EVOC 5 - Passage

1	Continuous Hinge	662HD	628	BE
1	Exit Device	2308 X 4908	630	PR
1	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Door Closer	4041XP CUSH	689	LC
1	Kick Plate	K0050 8"	630	TR
3	Silencer	1229A	GREY	TR

Set #EVOC 6 - Lockable Both Sides

1	Continuous Hinge	662HD	628	BE
1	Lockset	45H-0G14M	630	BE
2	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Door Closer	4041XP	689	LC
1	Kick Plate	K0050 8"	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Gasketing	700 ES	628	NA
1	Auto Door Bottom	4447 S	628	NA

Set #EVOC 7 - Office

3	Butt Hinge	CB1900R 4.5" x 4.5"	652	BE
1	Lockset	45H-0AB14M	630	BE
1	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS EXISTING KEYWAY	626	SC
1	Wall Bumper	1270CVSV	626	TR
1	Coat Hook	AM801	630	AB
1	Gasketing	2525 C		NA

Set #EVOC 8 - Passage

3	Butt Hinge	CB1900R 4.5" x 4.5"	652	BE
1	Passage Set	45H-0N14M	630	BE
1	Door Closer	4041XP TJ DA	689	LC
1	Kick Plate	K0050 8"	630	TR
1	Mop Plate	KM050 4"	630	TR
1	Wall Bumper	1270CVSV	626	TR
3	Silencer	1229A	GREY	TR

Set #EVOC 9 - Always Locked

3	Butt Hinge	CB1900R 4.5" x 4.5"	652	BE
1	Lockset	45H-0D14M	630	BE
1	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Door Closer	4041XP CUSH DA	689	LC
1	Kick Plate	K0050 8"	630	TR
1	Gasketing	2525 C	NA	

Set #EVOC 10

3	Butt Hinge	CB1900R 4.5" x 4.5"	652	BE
1	Lockset	45H-0R14M	630	BE
1	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Closer	4041XP CUSH	689	LC
1	Gasketing	2525 C		NA

Set #EVOC 11

3	Butt Hinge	CB1900R 4.5" x 4.5"	652	BE
1	Lockset	45H-0R14M	630	BE
1	Mortise Cylinder	SFIC, 6-PIN, MATCH OWNERS STANDARD KEYWAY	626	SC
1	Door Closer	4041XP H CUSH	689	LC
1	Kick Plate	K0050 8"	630	TR
3	Silencer	1229A	GREY	TR

Nebraska EVOC Building

Opening List

Opening	Hdw Set	
103	EVOC2	Card Reader
104	EVOC7	
106	EVOC8	
107	EVOC8	
108	EVOC10	
110	EVOC9	
111	EVOC6	
112	EVOC6	
100A	EVOC3	Card Reader, Automatic
100B	EVOC4	Automatic
101A	EVOC3	Card Reader, Automatic
101B	EVOC4	Automatic
111A	EVOC1	
111B	EVOC1	
111C	EVOC1	
111E	EVOC2	Card Reader
112A	EVOC1	
112B	EVOC1	
112C	EVOC1	
112D	EVOC2	Card Reader
113B	EVOC11	
115A	EVOC5	
115B	EVOC5	

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502,
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

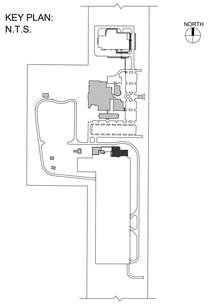
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

EVOC BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:



DRAWING TITLE:

DOOR HARDWARE SCHEDULE

PROJECT NO:	50163918
DATE:	08/21/24
PHASE:	ISSUED FOR CONSTRUCTION
DRAWN BY:	RS
CHECKED BY:	JT

DRAWING NUMBER:

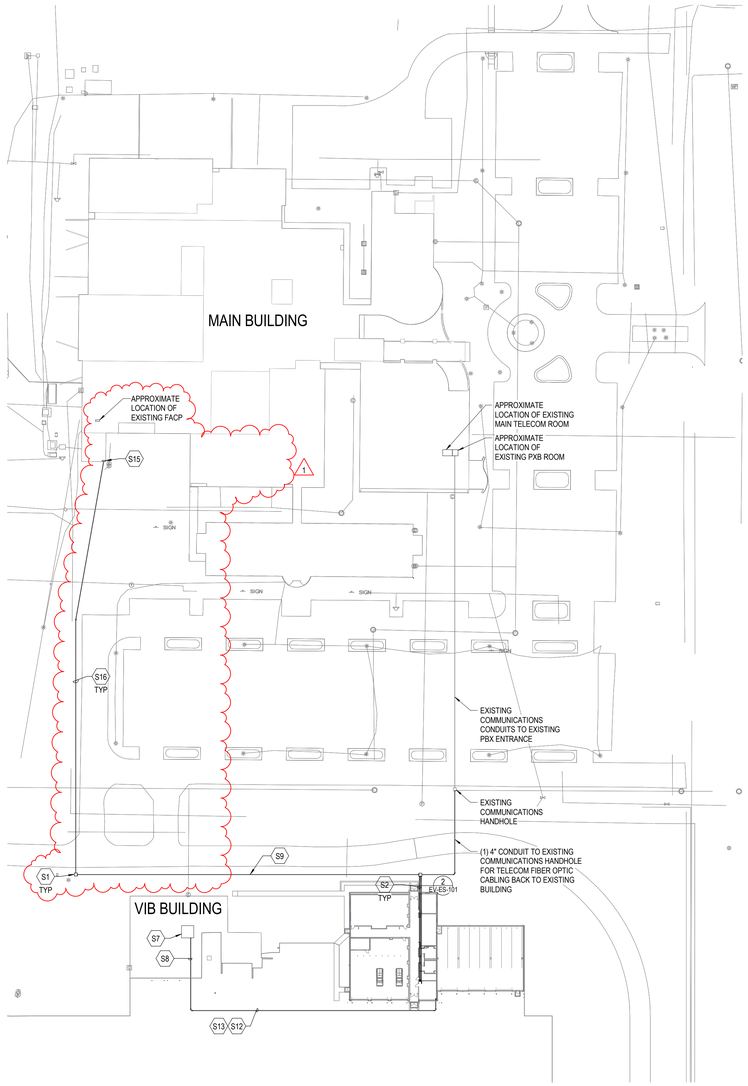
EV-A-602

GENERAL NOTES

A.	REFER TO SHEET E-003.

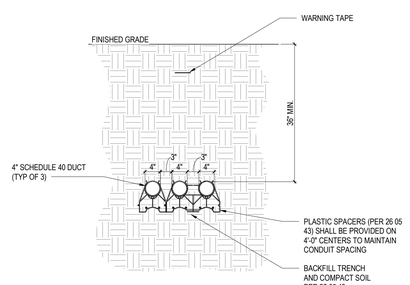
KEYNOTES - SHEET

S1	PROVIDE 36" X 36" HANDHOLE FOR TELECOM CONDUITS. COVER LABEL SHALL READ "COMMUNICATIONS". REFER TO SPEC 26 05 43 FOR MORE INFORMATION.
S2	PROVIDE (2) 4" CONDUITS FROM HANDHOLE TO MAIN TELECOM ROOM, FOR COMM SERVICE ENTRANCE TO BUILDING. PROVIDE WARNING TAPE AND FOLLOW INSTALLATION REQUIREMENTS IN SPEC SECTION 26 05 43. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THIS AREA. IN EACH CONDUIT, PROVIDE (2) MAXCELL EDGE 4.00" PACKS.
S7	LOCATION OF PANEL HV IN EXISTING VIB BUILDING. PANEL WILL SERVE PANEL MDP IN EVOC BUILDING.
S8	PROPOSED ROUTE FOR FEEDER CIRCUIT FOR PANEL MDP IN EVOC BUILDING. INTERIOR CONDUIT ROUTE WILL BE EMT ROUTED ALONG WALL TO THE EXTERIOR OF THE BUILDING AS SHOWN AND TRANSITION TO IMC. EXISTING VIB BUILDING HAS AN EXPOSED CEILING.REFER TO SHEET EV-EP-601.
S9	PROVIDE (1) 4" CONDUIT FROM HANDHOLE TO MAIN TELECOM ROOM, FOR FIRE ALARM NETWORK ENTRANCE TO BUILDING. PROVIDE WARNING TAPE AND FOLLOW INSTALLATION REQUIREMENTS IN SPEC SECTION 26 05 43. COORDINATE CONDUIT ROUTING WITH OTHER UTILITIES IN THE AREA. IN EACH CONDUIT, PROVIDE (1)4 CELL MAXCELL EDGE 4.00" PACKS.
S12	PROPOSED ROUTE FOR FEEDER CIRCUIT FOR PANEL MDP IN EVOC BUILDING. IMC WILL ROUTE DOWN EXTERIOR WALL AND TRANSITION TO SCHEDULE 40 PVC CONDUIT FOR UNDERGROUND ROUTE. PVC CONDUIT SHALL TRANSITION TO EMT CONDUIT IN EVOC ELECTRICAL ROOM.
S13	EXISTING PAVEMENT WILL BE DEMOLISHED AND REPOURED. UNDERGROUND CONDUIT WILL TRENCH ALONG PROPOSED PATHWAY. DIRECTIONAL BORE ANY CONDUIT ROUTE AS NEEDED. COORDINATE WITH CIVIL DRAWINGS FOR PAVEMENT REMOVAL LOCATION AND OTHER UTILITY LINES.
S15	INTERIOR RACEWAY FOR FIRE ALARM CABLING TO EXISTING FIRE ALARM CONTROL PANEL WILL BE IN EMT CONDUIT.
S16	EXISTING UNDERGROUND CONDUIT FROM PULL BOX IN ELECTRICAL ROOM TO EXTERIOR COMMUNICATION HANDHOLE WILL BE USED FOR FIRE ALARM NETWORK CABLING FROM EXISTING FIRE ALARM CONTROL PANEL TO EVOC FIRE ALARM CONTROL PANEL.



1 ELECTRICAL SITE PLAN - EVOC BUILDING / EXISTING MAIN CAMPUS BUILDING

1" = 60'-0"



2 3-WAY DIRECT-BURIED DUCTBANK SECTION

NO SCALE

COORDINATING ARCHITECT
ARCHITECT OF RECORD - EVOC BUILDING

Dewberry

DEWBERRY ARCHITECTS, INC.
132 North York St #2C,
Elmhurst, IL 60126-3070
P. 847-695-5840

DESIGN ARCHITECT & MASTERPLANNER
ARCHITECT OF RECORD - FIREARMS BLDG

TACTICAL DESIGN NORTH

TACTICAL DESIGN NORTH, INC.
231 E Buffalo St #502.
Milwaukee, WI 53202
P. 414-909-8586

ENGINEERS OF RECORD:

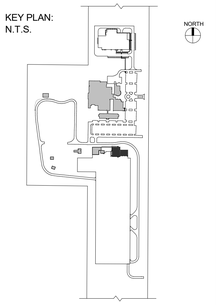
HDR

HDR ARCHITECTURE, INC.
1917 South 67th St,
Omaha, NE 68106
P. 402-399-1000

AREA OF PROJECT

EVOC BUILDING

KEY PLAN:
N.T.S.



RECORD REVISIONS

NUMBER	DESCRIPTION	DATE
1	Addendum 2	09/25/2024

CLIENT:

NEBRASKA DEPARTMENT OF ADMINISTRATIVE SERVICES

PROJECT:

NEBRASKA LAW ENFORCEMENT TRAINING CENTER EXPANSION

ADDRESS:

3600 N. ACADEMY ROAD, GRAND ISLAND, NE 68801

SEAL & SIGNATURE:

PROFESSIONAL ELECTRICAL ENGINEER
TYRELL GALLOWAY
E-19856
STATE OF NEBRASKA
8/21/2024

DRAWING TITLE:

ELECTRICAL SITE PLAN - EVOC BUILDING

PROJECT NO:	10371527
DATE:	8/21/2024
PHASE:	CD SET
DRAWN BY: JMH	CHECKED BY: TG

DRAWING NUMBER:

EV-ES-101