

ASPHALT PAVING PROFESSIONALS DEVELOPMENT AT 1756 NORTH AURORA ROAD, NAPERVILLE, ILLINOIS

CONSTRUCTION NOTES

- CONTRACTOR(S) SHALL VERIFY ALL DIMENSIONS AND ALL CONDITIONS SHOWN ON DRAWINGS AT THE JOB SITE AND SHALL NOTIFY DAN DEVELOPMENT OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE PROCEEDING WITH THIS PROJECT.
- ALL WORK THAT NECESSITATES THE SHUTTING DOWN OF A BUILDING SYSTEM FOR THE TIE-IN OR ALTERATION PURPOSES SHALL BE COORDINATED WITH THE OWNER AND/OR GENERAL CONTRACTOR AS PER THEIR DIRECTION.

ACCESSIBILITY NOTES

- ALL FIXTURES AND ACCESSORIES SHALL BE MOUNTED IN ACCORDANCE WITH ALL CITY/VILLAGE, A.D.A., ILLINOIS HANDICAP REGULATIONS AND ANS, WHICHEVER IS MOST STRINGENT.
- ALL THRESHOLDS MUST COMPLY WITH A.D.A., ILLINOIS HANDICAP REGULATIONS AND ANS, WHICHEVER IS MOST STRINGENT.
- PROJECTING ACCESSORIES MUST BE LOCATED SO THEY WILL NOT INTERFERE WITH THE USE OF GRAB BARS AND WILL KEEP THE WHEELCHAIR AREA FREE.
- EACH HANDICAP WASHROOM SHALL HAVE A 5'-0" DIAMETER CLEAR TURNING AREA.

NOTES TO BUILDING OWNER

- PROVIDE A COMPLETE FIRE ALARM ACCEPTANCE TEST FROM A FIRE ALARM CONTRACTOR PRIOR TO OCCUPANCY. CONTACT FIRE PROTECTION DISTRICT TO WITNESS THIS TEST.
- ANY SPRINKLER HEAD WORK TO BE DONE BY A LICENSED SPRINKLER CONTRACTOR. PROVIDE A COMPLETE FIRE SPRINKLER ACCEPTANCE TEST FROM A SPRINKLER CONTRACTOR PRIOR TO OCCUPANCY. CONTACT FIRE PROTECTION DISTRICT TO WITNESS THIS TEST.
- A FIRE DEPARTMENT KEYBOX WITH KEYS TO ALL TENANT SPACES IS REQUIRED. VERIFY THAT THE EXISTING LOCATION IS ACKNOWLEDGED BY THE FIRE DEPT.
- PROVIDE UNIT ADDRESS AT THE FRONT AND REAR DOORS OF THE BUILDING, SIZING AND LOCATION TO MEET REQ. OF THE IBC AND LOCAL AUTHORITY.
- ALL BUILDINGS, TENANT SPACES, AND STRUCTURES SHALL HAVE AN ADDRESS SHOWN. ALL NUMBERS SHALL BE PLACED IN A CONSPICUOUS PLACE ON OR NEAR THE BUILDING ENTRANCE. THE ADDRESS IS TO BE VISIBLE AT NIGHT FROM A LIGHT FIXTURE NEARBY. NUMBERS FOR ADDRESS ARE TO BE A MINIMUM OF SIX (6) INCHES IN HEIGHT AND TO BE BLOCK STYLE. SCRIPT TYPE OR WRITTEN TYPE IS NOT ALLOWED.

GENERAL FIRE NOTES

- FUTURE SUBMITTAL TO FILL OUT TECHNICAL DOCUMENT FOR FIRE SPRINKLERS PER THE STATE OF ILLINOIS (225 ILCS 5/9) FROM CH. 111, PAR. 5203)
- (D) A BUILDING PERMIT FOR A BUILDING THAT REQUIRES A FIRE SUPPRESSION SUBMITTED SYSTEM SHALL NOT BE ISSUED WITHOUT THE SUBMISSION OF A TECHNICAL SUBMISSION PREPARED AND SEALED BY A LICENSED DESIGN PROFESSIONAL. FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS DO NOT REQUIRE AN ENGINEERING SEAL IF PREPARED BY A TECHNICIAN WHO HOLDS A VALID NICET LEVEL 3 OR 4 CERTIFICATION IN FIRE PROTECTION TECHNOLOGY. AUTOMATIC SPRINKLER SYSTEM LAYOUT. AN AUTHORITY HAVING JURISDICTION MAY NOT ACCEPT FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS IN LIEU OF TECHNICAL SUBMISSIONS. HOWEVER, IN THE EVENT THE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS MATERIALLY ALTER THE TECHNICAL SUBMISSIONS, THE AUTHORITY HAVING JURISDICTION SHALL RETURN BOTH THE FIRE PROTECTION LAYOUT DOCUMENTS AND TECHNICAL SUBMISSIONS TO THE LICENSED-DESIGN PROFESSIONAL FOR REVIEW.

GENERAL NOTES

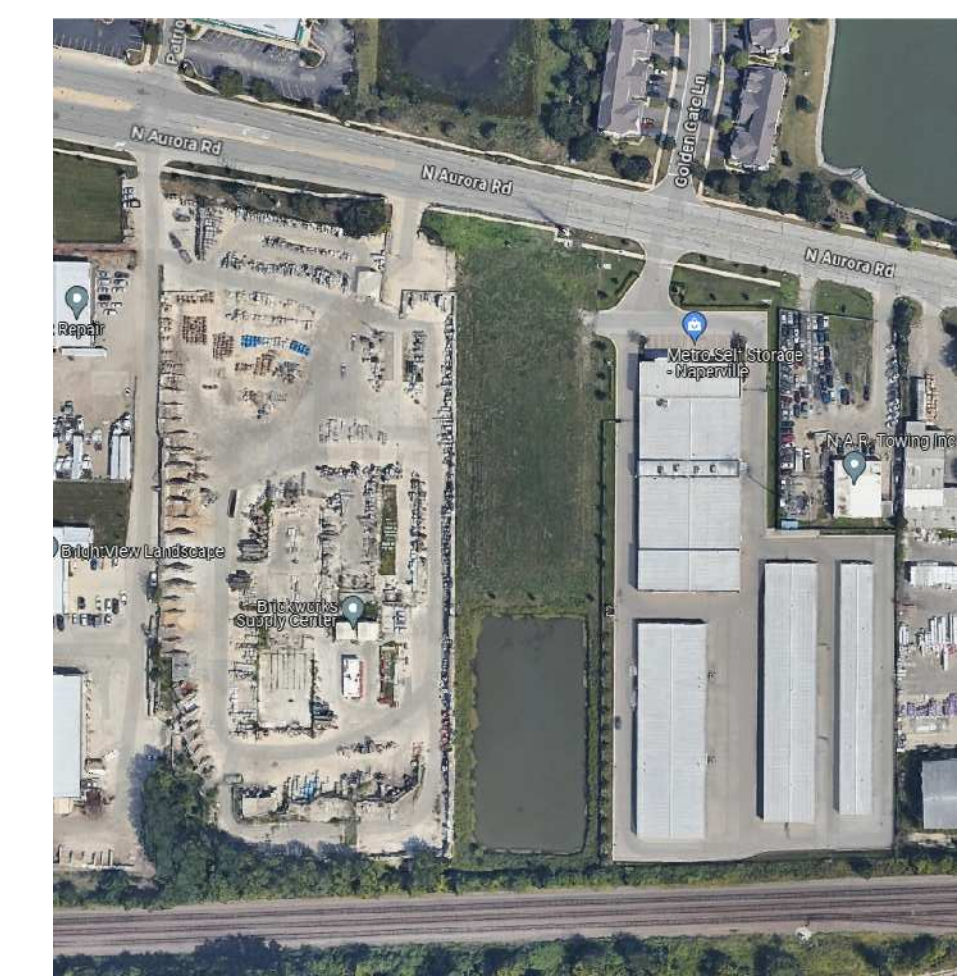
- THE GENERAL CONTRACTOR AND SUB-CONTRACTORS, PRIOR TO SUBMITTING THEIR BIDS(S), SHALL FIELD SURVEY THE SITE OF PROPOSED WORK TO DETERMINE AND VERIFY THE EXTENT AND NATURE OF THIS PROJECT.
- IF AT ANY TIME, PRIOR TO AND DURING CONSTRUCTION, A DISCREPANCY, OMISSION AND/OR CONFLICT IS DISCOVERED, NOTIFY OWNER & ARCHITECT FOR CLARIFICATION AND/OR RESOLUTION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND ACQUISITION OF ALL NECESSARY BUILDING PERMITS. PERMITS ARE TO BE POSTED ON JOB SITE.
- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE PLANS, ELEVATIONS AND SECTIONS.
- CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS OF ANY UNFORESEEN JOB CONDITIONS WHICH MAY AFFECT PROJECT COST. EXTRA WORK AND/OR EXTRA COSTS MUST BE APPROVED IN WRITING PRIOR TO CONSTRUCTION OF SUCH WORK.
- CONTRACTOR(S) SHALL NOT REMOVE ANY MATERIALS, (SIDELIGHTS, DOOR ASSEMBLIES, LIGHT FIXTURES, ETC.) FROM AREAS NOT IN CONTRACT (N.I.C.) UNLESS ILLUSTRATED AS DEMOLITION AND NOTED AS RE-LOCATED IN THESE DOCUMENTS OR CONTRACTOR HAS WRITTEN APPROVAL FROM BUILDING OWNER/MANAGEMENT TO DO SO.
- ALL CONSTRUCTION SHALL CONFORM TO ALL STATE AND LOCAL BUILDING CODES FOR WORK OF THIS TYPE.
- WHERE NEW WORK CONNECTS WITH EXISTING, ALL REQUIRED WORK SHALL BE INCLUDED IN THE CONTRACT, WHETHER OR NOT SHOWN OR INDICATED.
- THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE BUILDING OWNER/MANAGEMENT FOR REGULATIONS INCLUDING BUT NOT NECESSARILY LIMITED TO: ELEVATOR USE, RUBBISH REMOVAL, PROTECTION OF BASE BUILDING CONSTRUCTION, AND ANY WORK WHICH WILL AFFECT OTHER TENANTS' OR OTHER PARTS OF THE BUILDING.
- THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFE GUARDS, BARRIERS, TEMPORARY POWER, LIGHTING, IN THE PROTECTION, ETC. AS REQUIRED DURING DEMOLITION/CONSTRUCTION.
- ALL CONTRACTORS ARE RESPONSIBLE FOR COORDINATION OF THEIR WORK WITH ALL OTHER TRADES. WORK SHALL BE PROPERLY SEQUENCED TO COINCIDE WITH THE PROJECT CONSTRUCTION SCHEDULE TO AVOID DELAY OF THE PROJECT COMPLETION OR THE WORK OF THE OTHERS.

GENERAL NOTES - CON'T

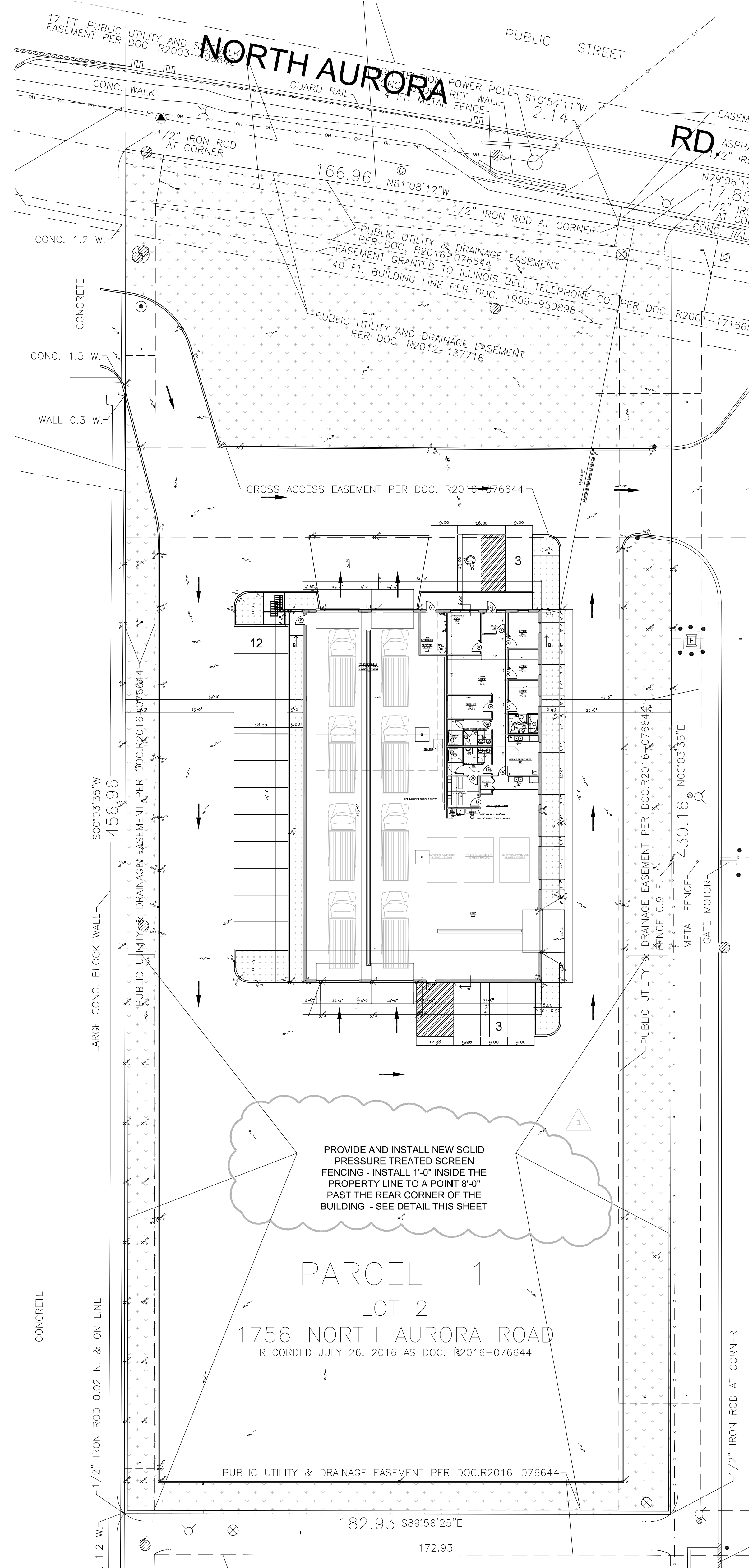
- THE GENERAL CONTRACTOR SHALL PROTECT AREA AND NEW OR EXISTING MATERIALS AND FINISHES FROM DAMAGE WHICH MAY OCCUR FROM CONSTRUCTION, DUST, WATER, ETC. DAMAGE TO EXISTING MATERIALS, FINISHES, STRUCTURE, AND EQUIPMENT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE TENANT AND THE BUILDING OWNER/MANAGEMENT AT THE EXPENSE OF THE GENERAL CONTRACTOR.
- ALL MATERIALS, METHODS OF INSTALLATION AND FINISHING OF CONSTRUCTION SYSTEMS (PARTITIONS, CEILINGS, DOORS, FRAMES, FLOORS, ETC.) SHALL CONFORM TO THE MANUFACTURERS' SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR THE EXPECTED USE.
- THE GENERAL CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS OF ALL SUBCONTRACTORS AND TRADES ON A DAILY BASIS, AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT ANY DIRT, DEBRIS OR DUST FROM AFFECTING ANY FINISHED AREA, WHETHER WITHIN OR OUTSIDE THE JOB SITE.
- CONTRACTOR AND HIS SUBCONTRACTORS SHALL TURN THE PROJECT OVER TO OWNER, FREE FROM ALL CONSTRUCTION DEBRIS; MATERIAL AND EQUIPMENT, ALL INTERIOR GLASS FREE OF LABELS, AND CLEANED ON BOTH SIDES. ALL MILLWORK AND BUILT-INS FREE OF DIRT, GREASE AND OTHER FOREIGN MATERIALS. ALL RESILIENT FLOORINGS MOP CLEANED. VINYL WALL COVERINGS FREE OF DIRT AND OTHER FOREIGN MATERIALS.

ELECTRICAL & PLUMBING

- ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL POWER IN AREAS OF WORK PRIOR TO COMMENCEMENT OF DEMOLITION AND SHALL PROVIDE TEMPORARY POWER AND LIGHTING FOR DEMOLITION CONTRACTOR.
- ALL ELECTRICAL ITEMS BEING REMOVED SHALL BE DISCONNECTED AT THE CIRCUIT PANEL.
- ON EXISTING WALLS TO REMAIN ALL EXISTING VINYL BASE IS TO BE REMOVED AND WALLS REPAIRED TO CREATE A SMOOTH SURFACE READY TO RECEIVE NEW BASE AND PAINT.
- ALL PLUMBING TO BE REMOVED SHALL BE GAPPED AT SOURCE.
- ALL DOORS, FRAMES AND HARDWARE REMOVED AND NOT RELOCATED ARE TO BE PLACED IN BUILDING STOCK. VERIFY STORAGE LOCATION WITH BUILDING OWNER/MANAGEMENT.
- THE CONTRACTOR IS TO REMOVE ALL DEMOLITION DEBRIS AT THEIR SOLE EXPENSE.



LOCATION MAP



OVERALL SITE PLAN
1" = 30'-0"

REFER TO CIVIL ENGINEERING DRAWINGS FOR SITE WORK
REFER TO PARTIAL SITE PLAN FOR ARCHITECTURAL NOTES A-0.1

SHEET INDEX:

ARCHITECTURAL

- A-0.0 COVER PAGE - SITE PLAN - CODE REFERENCE
- A-0.1 SPECIAL INSPECTION TABLES, SITE PLAN.
- A-0.2 PARTIAL SITE PLAN - STIE WORK NOTES. EGRESS PATHS. -PARKING CALCS
- A-0.3 EXTERIOR COLORED FACADE ELEVATIONS
- A-1.0 EXTERIOR ELEVATIONS AND MASONRY FINISHES.
- A-1.1 BUILDING SECTIONS AND WALL DETAILS.
- A-2.0 FLOOR PLAN - FINISH AND DOOR SCHEDULES & NOTES.
- A-3.0 ELECTRICAL PLAN, LEGENDS, NOTES.
- A-4.0 REFLECTED CEILING PLAN, LEGENDS, NOTES, ROOF PLAN.
- A-4.1 HATCH LADDER SPECS.
- A-5.0 PLUMBING- FLOOR PLAN, FIXTURE SCHEDULE, ADA REQUIREMENTS, WATER HEATER DIAGRAM, TYP. WATER PIPING AT LAVATORY DIAGRAM

STRUCTURAL

- S-1.0 FOUNDATION / FOOTING PLAN
- S-2.0 ROOF FRAMING PLAN
- S-3.0 STRUCTURAL DETAILS
- S-4.0 MASONRY DETAILS
- S-5.0 BUILDING SECTION
- S-6.0 STRUCTURAL GENERAL NOTES

MECHANICAL, ELECTRICAL, PLUMBING

- M-1.0 HVAC SCHEDULES AND NOTES
- M-2.0 HVAC PLAN
- E-2.0 POWER FLOOR PLAN
- E-3.0 CEILING / LIGHTING PLAN
- E-4.0 ELECTRICAL DETAILS & SPECIFICATIONS
- E-5.0 ELECTRICAL GENERAL NOTES
- P-1.0 PLUMBING PLAN AND RISER DIAGRAM
- P-2.0 PLUMBING SPECIFICATIONS AND DETAILS

CIVIL ENGINEERING PLANS AND LANDSCAPE PLANS PROVIDED- UNDER SEPARATE COVER BY GENERAL CONTRACTOR

BUILDING CODE ANALYSIS

CONSTRUCTION TYPE	IB
FIRE SUPPRESSION	ALARM - SPRINKLER
FIRE RATING OF STRUCTURE	1 HOUR
USE GROUP	BUSINESS - PROFESSIONAL
ADJACENT USE GROUP	(B) BUSINESS
DEMISING PARTITIONS	1 HOUR RATING
CODES USED	2018 International Building Code 2018 International Property Maintenance Code 2018 International Fire Code 2018 International Fuel Gas Code 2018 International Mechanical Code 2018 International Plumbing Code 2018 International Existing Building Code 2017 National Electric Code (NFPA 70) 2006 International Code Council Electrical Administrative Provisions 2018 Life Safety Code (NFPA 101) Illinois Energy Conservation Code, Current Edition National Fire Code (NFPA), Current Edition Illinois State Plumbing Code, Current Edition Illinois Accessibility Code, Current Edition Local Amendments per Naperville Municipal Code
SCOPE OF WORK	WAREHOUSE / OFFICE
INTERIOR FINISHES	CLASS III (76-200 FLAME SPREAD)
TOTAL SQ. FT. OF BUILD-OUT	10,000 SF. TOTAL
OCCUPANCY	OFFICE 2,000 SF 1/150= 13 PERSONS MAX OCCUPANCY WAREHOUSE 8,000 1/500= 16 PERSONS MAX OCCUPANCY TOTAL OCCUPANCY= 29 TOTAL PERSONS MAX OCCUPANCY
EGRESS-MAX TRAVEL DISTANCE	MAX EGRESS PATH = 90'-0"
PLUMBING PLUMBING REQUIRED	OFFICE USE - 200 PPSF -2,000 SF/200 PPSF = 10 PERSONS MAX OCCUPANCY 1: 1-15 MALE 1: 1-15 FEMALE 1 TOILET / 1 LAV / 1 SERVICE SINK
PLUMBING PROVIDED	1 TOILET / 1 LAV / 1 SERVICE SINK(S) / BOTTLED WATER PROVIDED IN LIEU OF DRINKING FOUNTAIN

STATEMENT OF COMPLIANCE

I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE FOLLOWING LAWS, ORDINANCES, AND BUILDING CODES LISTED IN THE BUILDING CODE ANALYSIS

DATE: 08/06/2025
SIGNER: BRIAN I GOULD
ILLINOIS LICENSE NUMBER: 001-051157
LICENSE EXPIRATION DATE: 11/30/2026
ILLINOIS DESIGN FIRM NUMBER: 184.006610-0001
DESIGN FIRM LICENSE EXPIRATION DATE: 04/30/2025

© BR Design & Architecture 2024

Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes violation of the Architect's copyright of these plans and is prohibited.

CODE MATRIX

CONSTRUCTION TYPE	CODE & LOCAL AMENDMENTS	REQUIRED	PROVIDED
FIRE SUPPRESSION	CH. 9 IBC 2018 SEC. 903.2.1.13 NAPERVILLE CODE	SPRINKLER REQUIRED	ALARMED AND SPRINKLED
FIRE RATING OF STRUCTURE	TABLE 602.2018 IBC	IBB	IBB
USE GROUP	SECTION 304 IBC 2018	--	(B) BUSINESS
DEMISING PARTITIONS	TABLE 508.4 IBC 2018	RATING NOT REQUIRED	1 HOUR RATING
EGRESS-MAX TRAVEL DISTANCE	TABLE 1006.2.1 IBC 2018	W/ OUT SPRINKLER 75 W/ SPRINKLER 100	80'-0" W/ SPRINKLER
PLUMBING	TABLE 2902.1 IBC 2018	1 TOILET/ 1 LAV / 1 SERVICE SINK/ DRINKING FOUNTAIN	4 TOILETS/ 1 URINAL/ 5 LAVS/ 2 SERVICE SINKS/ BOTTLED WATER IN LIEU OF DRINKING FOUNTAIN
ENERGY CODE COMPLIANCE PER IECC 401.2.1			
MASS BUILDING CLIMATE ZONE 5	TABLE C402.1.3		
ROOF	TABLE C402.1.3	R-30	R-30
WALLS, ABOVE GRADE MASS WALL WEIGHT EXCEEDS 50 LBS PER SF	TABLE C402.1.3	R-11.4	R-13
WALLS, BELOW GRADE MASS WALL WEIGHT EXCEEDS 50 LBS PER SF	TABLE C402.1.3	R-7.5	N/A
FLOORS	TABLE C402.1.3	R-14.6	N/A
SLAB-ON-GRADE FLOORS	TABLE C402.1.3	R-15	R-15 MIN.

NO.	REV.	DATE	DESCRIPTION
1	08/06/2025	1	ISSUES AND REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	07/02/2025	2	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT (UPDATED PER CIVIL DRAWINGS)

NO.	REV.	DATE	DESCRIPTION
1	08/06/2025	1	ISSUES AND REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	07/02/2025	2	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT (UPDATED PER CIVIL DRAWINGS)

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS



DRAFTSPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
10/24/2024

SHEET NUMBER:
A-0.0

2021 Illinois Energy Conservation Code

Effective Date: Jan 01, 2024

TABLE C402.4 BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS

CLIMATE ZONE	0 AND 1	2	3	4 EXCEPT MARINE	5 AND MARINE 4	
Vertical fenestration						
U-factor						
Fixed fenestration	0.50	0.45	0.42	0.36	0.36	
Operable fenestration	0.62	0.60	0.54	0.45	0.45	
Entrance doors	0.83	0.77	0.68	0.63	0.63	
SHGC						
	Fixed	Operable	Fixed	Operable	Fixed	Operable
PF < 0.2	0.23	0.21	0.25	0.23	0.36	0.38
0.2 ≤ PF < 0.5	0.28	0.25	0.30	0.28	0.43	0.40
PF ≥ 0.5	0.37	0.34	0.40	0.37	0.58	0.53
Skylights						
U-factor	0.70	0.65	0.55	0.50	0.50	
SHGC	0.30	0.30	0.30	0.40	0.40	

NR = No Requirement, PF = Projection Factor.

TABLE 1705.2.3 REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

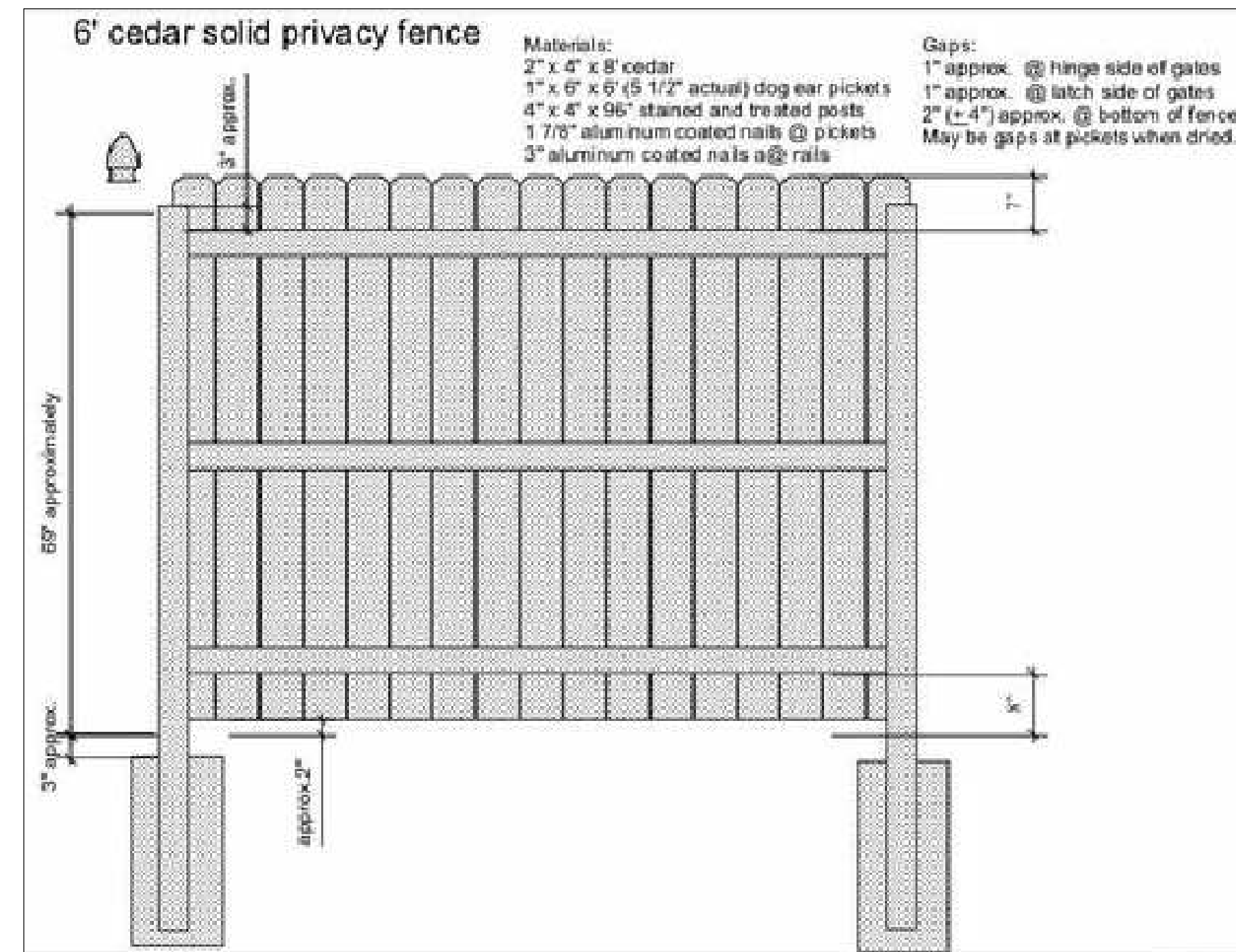
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD ^a	CONTRACTOR TO PROVIDE
1. Installation of open-web steel joists and joist girders.				
a. End connections – welding or bolted.	—	X	SJI specifications listed in Section 2207.1.	YES
b. Bridging – horizontal or diagonal.	—	—	—	YES
1. Standard bridging	—	X	SJI specifications listed in Section 2207.1.	YES
2. Bridging that differs from the SJI specifications listed in Section 2207.1.	—	X	—	YES

For SI: 1 inch = 25.4 mm.
a. Where applicable, see Section 1705.12, Special inspections for seismic resistance.

TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD ^a	IBC REFERENCE	CONTRACTOR TO PROVIDE
1. Inspect reinforcement, including prestressing tendons, and verify placement.	—	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4	N/A
2. Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A706; b. Inspect single-pass fillet welds, maximum $\frac{5}{16}$ " and c. Inspect all other welds.	—	X	AWS D1.4 ACI 318: 26.6.4	—	N/A
3. Inspect anchors cast in concrete.	X	X	ACI 318: 17.8.2	—	YES
4. Inspect anchors post-installed in hardened concrete members ^b a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4.a.	X	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	—	YES
5. Verify use of required design mix.	—	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	YES
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	—	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10	YES
7. Inspect concrete and shotcrete placement for proper application techniques.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8	YES
8. Verify maintenance of specified curing temperature and techniques.	—	X	ACI 318: 26.5.3-26.5.5	1908.9	N/A
9. Inspect prestressed concrete for: a. Application of prestressing forces; and b. Grouting of bonded prestressing tendons.	X	—	ACI 318: 26.10	—	N/A
10. Inspect erection of precast concrete members.	—	X	ACI 318: 26.9	—	N/A
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	—	X	ACI 318: 26.11.2	—	N/A
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	—	X	ACI 318: 26.11.1.2(b)	—	YES

For SI: 1 inch = 25.4 mm.
a. Where applicable, see Section 1705.12, Special inspections for seismic resistance.
b. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.



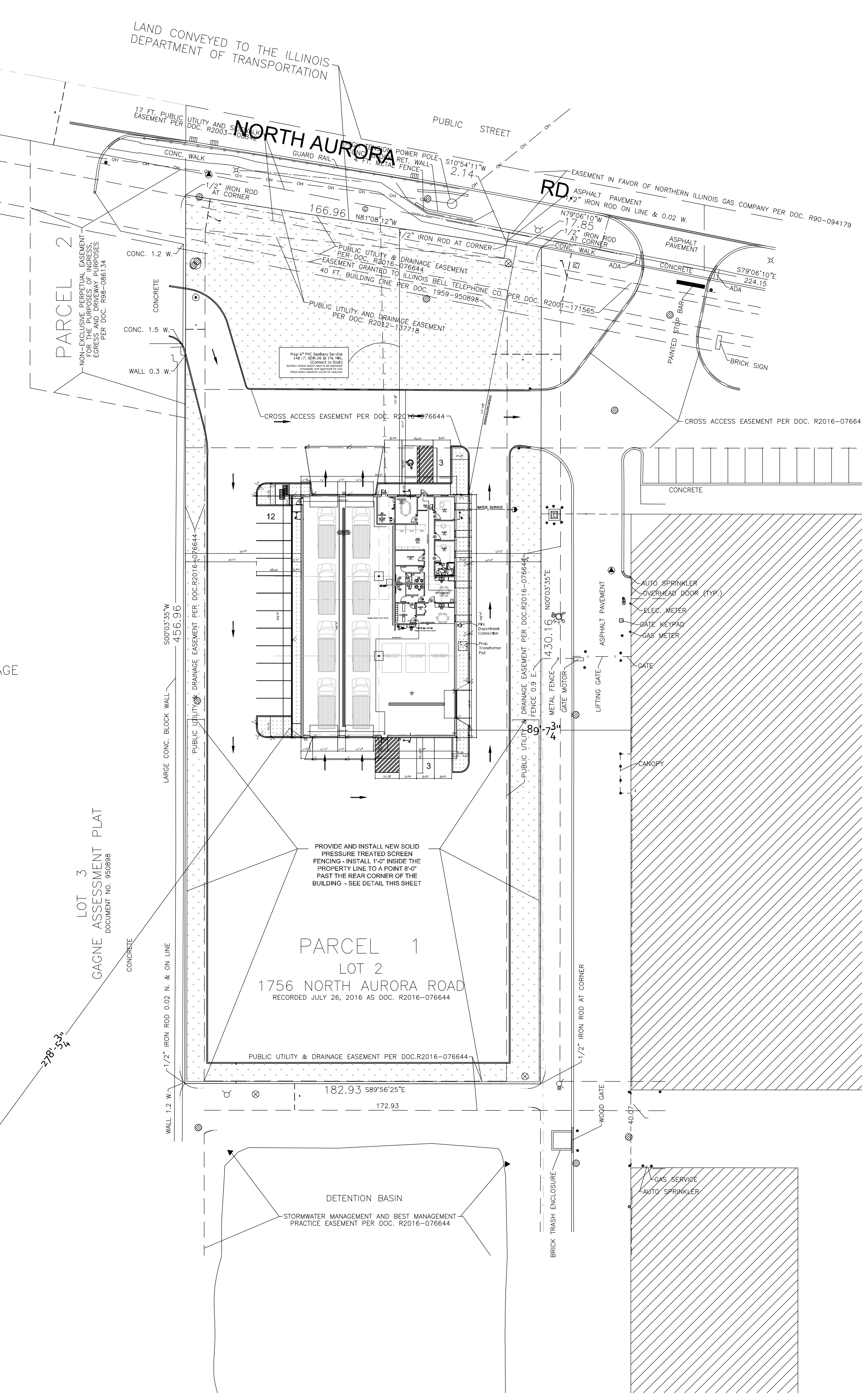
B FENCE DETAIL
NOT TO SCALE

OPEN STORAGE YARD

A SITE PLAN
1/32" = 1'-0"

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	CONTRACTOR TO PROVIDE
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	—	X	YES
2. Verify excavations are extended to proper depth and have reached proper material.	—	X	YES
3. Perform classification and testing of compacted fill materials.	—	X	YES
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	—	YES
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	—	X	YES



ISSUES AND REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:
1	BRD	03/20/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BRD	07/26/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE: 708-516-7251

DRAFTPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS DEVELOPMENT
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
10/24/2024

SHEET NUMBER:
A-0.1

© BR Design & Architecture 2024
Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

PROPOSED SITE WORK NOTES:

- C1. PROVIDE NEW CONCRETE DRIVE AND SERVICE ACCESS AREAS- SEE CIVIL ENGINEERING DRAWINGS. PARKING LOT STRIPING AS SHOWN - PROVIDE HANDICAP STRIPING AND SIGNAGE PER ILLINOIS ACCESSIBILITY CODE.
- C2. PROVIDE NEW L.E.D. SITE LIGHTING SEE ELECTRICAL DRAWINGS FOR NEW BUILDING MOUNTED LIGHT DRAWINGS FOR SPECIFICATIONS AND DETAILS.
- C3. NEW OVERHEAD DOOR SEE ARCHITECTURAL / STRUCTURAL PLANS AND DETAILS FOR SPECIFICATION.
- C4. NEW GRADE LEVEL MAN DOOR. SEE ARCHITECTURAL PLANS AND DETAILS FOR SPECIFICATION.
- C5. STEEL BIKE RACK MOUNTED TO CONCRETE SIDEWALK - SEE SPECIFICATION THIS SHEET.
- C6. FIRE SPRINKLER / FIRE DEPARTMENT CONNECTION. FINAL LOCATION TO BE SPECIFIED BY FIRE SPRINKLER CONTRACTOR AND APPROVED BY FIRE DEPARTMENT.

ON-SITE PARKING INFORMATION

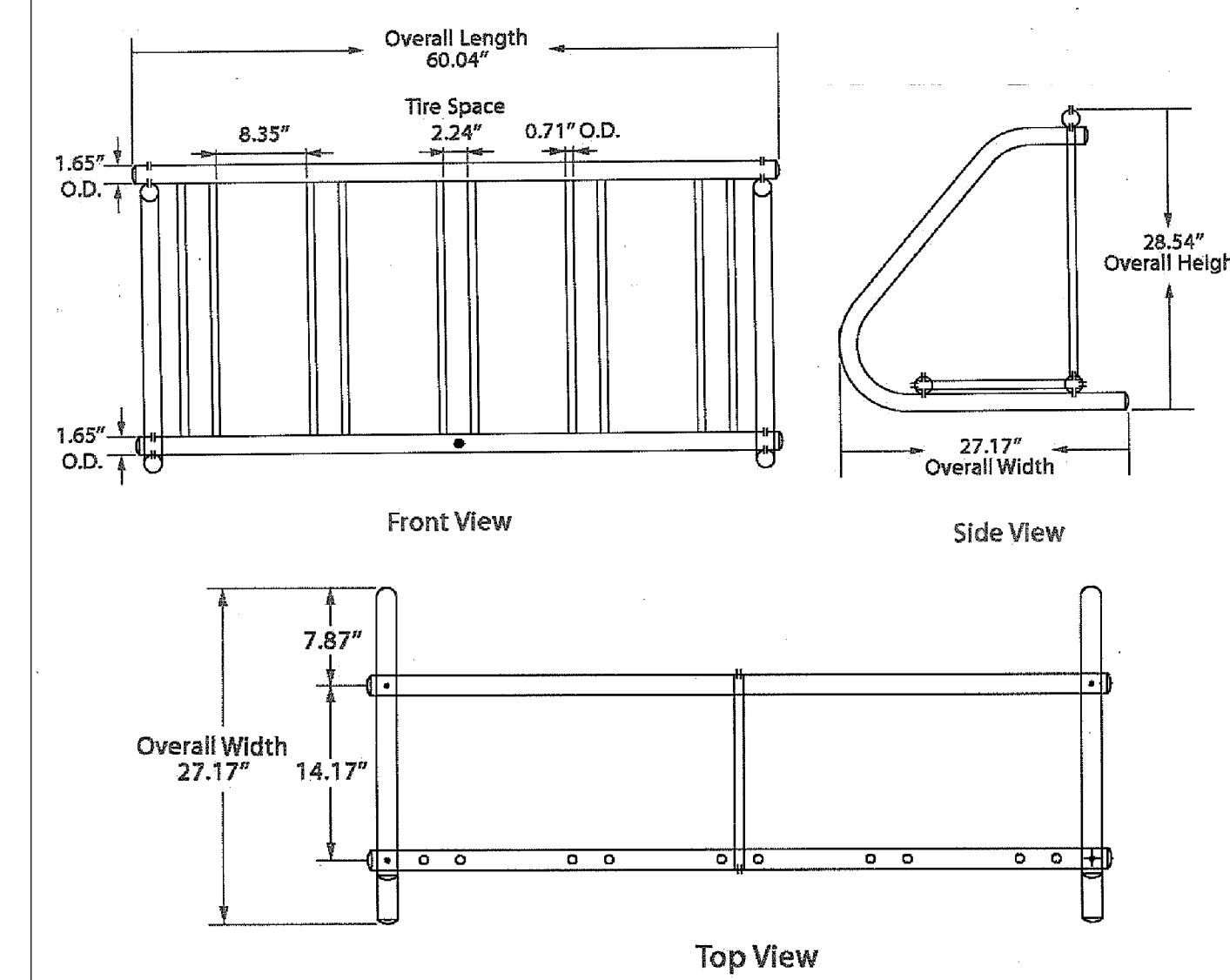
EXISTING SITE AREA	81,035 SF. - 1.86 acres
PROPOSED BUILDING GROSS FLOOR AREA	10,000 SF. GROSS
REQUIRED PARKING PER CODE -	15 SPACES -
WAREHOUSE, VEHICLE STORAGE -	8,000 SF. 8 SPACES - 1.0 PARKING SPACES PER 1000 SF.
OFFICE -	2,000 SF. 6.6 SPACES - 3.3 PARKING SPACES PER 1000 S.F. GROSS
BICYCLE PARKING MIN. OF 5% OF PARKING -	MINIMUM 3 BICYCLES REQUIRED 5 PROVIDED.
PROPOSED NEW PARKING PROVIDED ON SITE	18 SPACES
TOTAL PROPOSED PARKING	18 SPACES - 17' - 9" x 19' SPACES & 1 H.C. - 16' x 19'
BICYCLE PARKING MIN. OF 5% OF PARKING -	MINIMUM 3 BICYCLES REQUIRED 5 PROVIDED.
ADDITIONAL INTERIOR PARKING PROVIDED FOR 8 VEHICLES	
EXPECTED MAXIMUM PARKING DEMAND PER EMPLOYEE COUNT =	12 PEOPLE +/-

OCCUPANCY CALCULATION

2000 SF. OFFICE / BUSINESS	1/150 = 13	Employee / Counts	1 managers
8000 SF. WAREHOUSE	1/500 = 16		2 coordinators
TOTAL OCCUPANCY	29		9 yard personnel
			1 customer / visitor load

MAX EGRESS PATH = 90'-0"

Traditional Bike Rack [5 bike capacity]

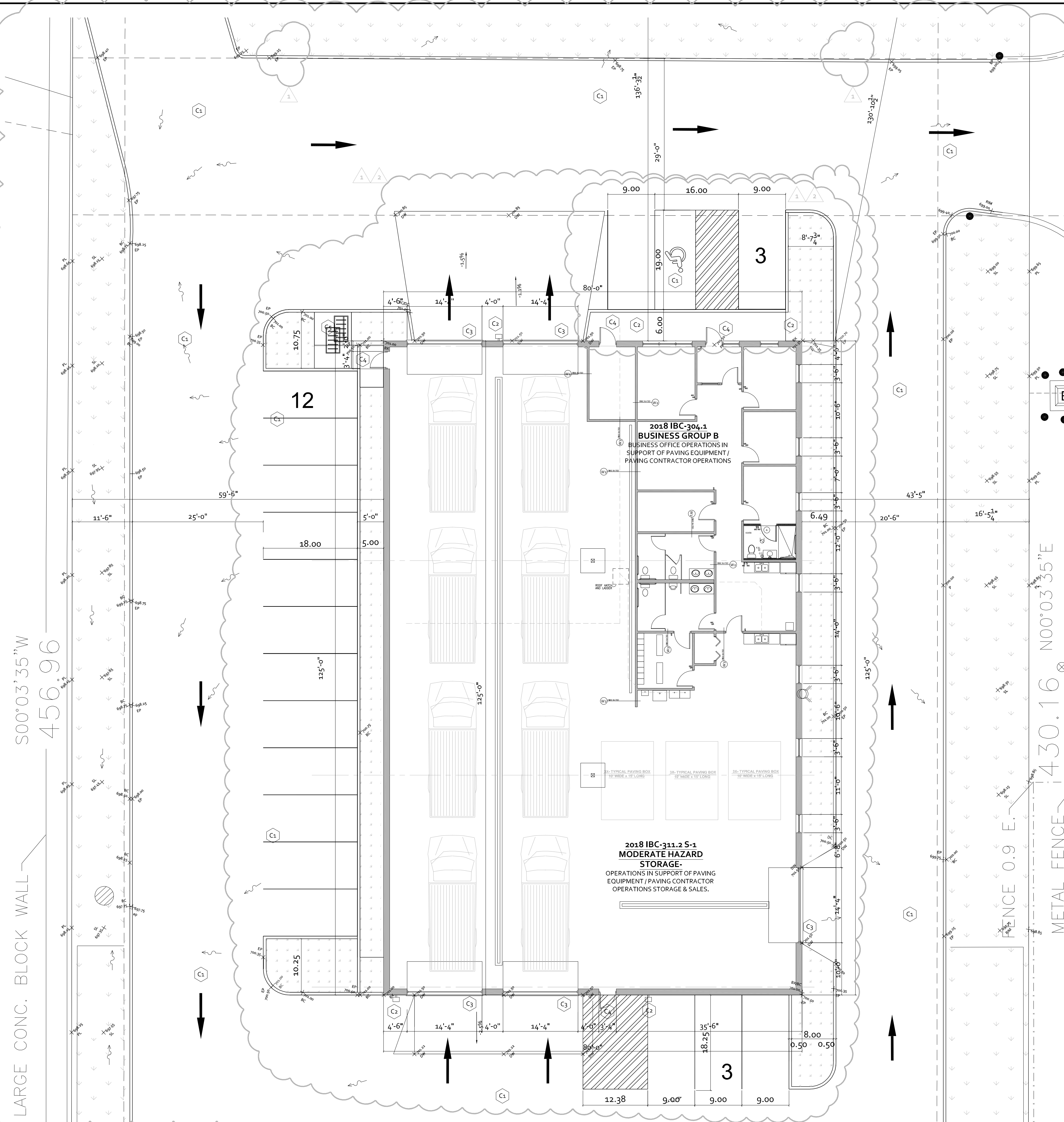


Material	Finish	Dimensions	Weight
Steel tubing	Galvanized PLUS clear coat finish	60.04' l x 27.17' w x 28.54' h	49 lbs.
Type of Mount:	Portable		
Size of Tubing:	Grid: 0.71" x 15-gauge Frame: 1.65" x 14-gauge		

GENERAL NOTES:

1. PER 2018 IBC 3302.2 ALTERATIONS, REPAIRS AND ADDITIONS, REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING ALTERATION, REPAIRS OR ADDITIONS TO ANY BUILDING OR STRUCTURE.
2. PER 2018 IBC 3306.1 PROTECTION REQUIRED. PEDESTRIANS SHALL BE PROTECTED DURING CONSTRUCTION, REMODELING AND DEMOLITION ACTIVITIES AS REQUIRED BY THIS CHAPTER AND TABLE 3306.1 SIGNS SHALL BE PROVIDED TO DIRECT PEDESTRIAN TRAFFIC.
3. PER 2018 IBC 311.2 MAINTENANCE: REQUIRED MEANS OF EGRESS AND REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO.
4. ADDRESS IDENTIFICATION: NEW AND EXISTING BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 1/8 INCH, WHERE REQUIRED BY THE FIRE CODE OFFICIAL. ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE, WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. ADDRESS IDENTIFICATION SHALL BE MAINTAINED.

LARGE CONC. BLOCK WALL
S00°03'35"W
456.96



FLOOR PLAN / PARKING PLAN
1/8" = 1'-0"

REFER TO CIVIL ENGINEERING DRAWINGS FOR SITE WORK

© BR Design & Architecture 2024
Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

ISSUES AND REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:
1	BRD	11/01/2024	POLE MOUNTED LIGHTING REVISED
1	BRD	03/20/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BRD	01/28/2026	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

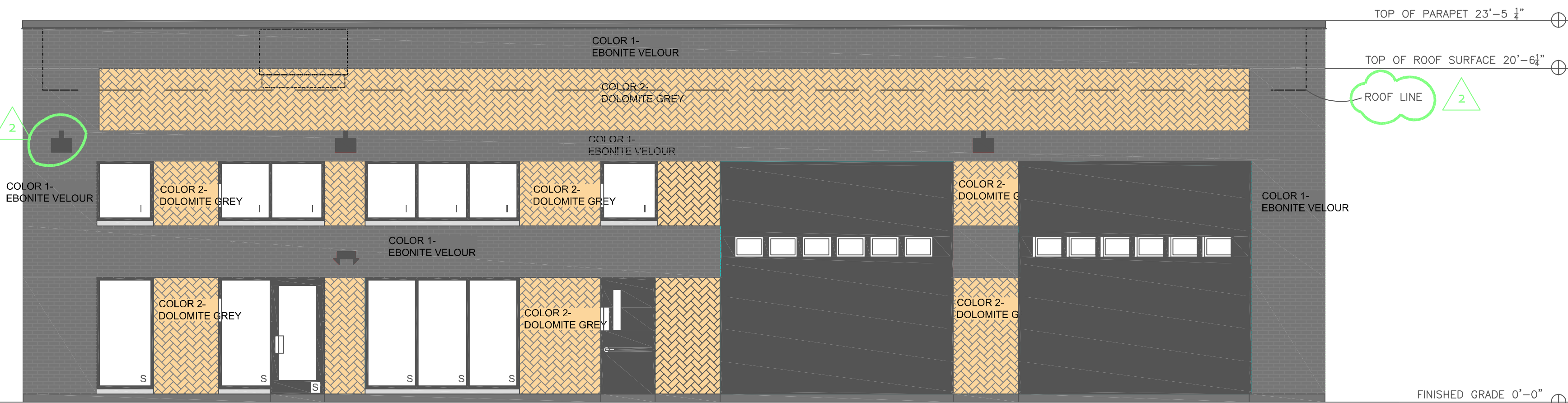
NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

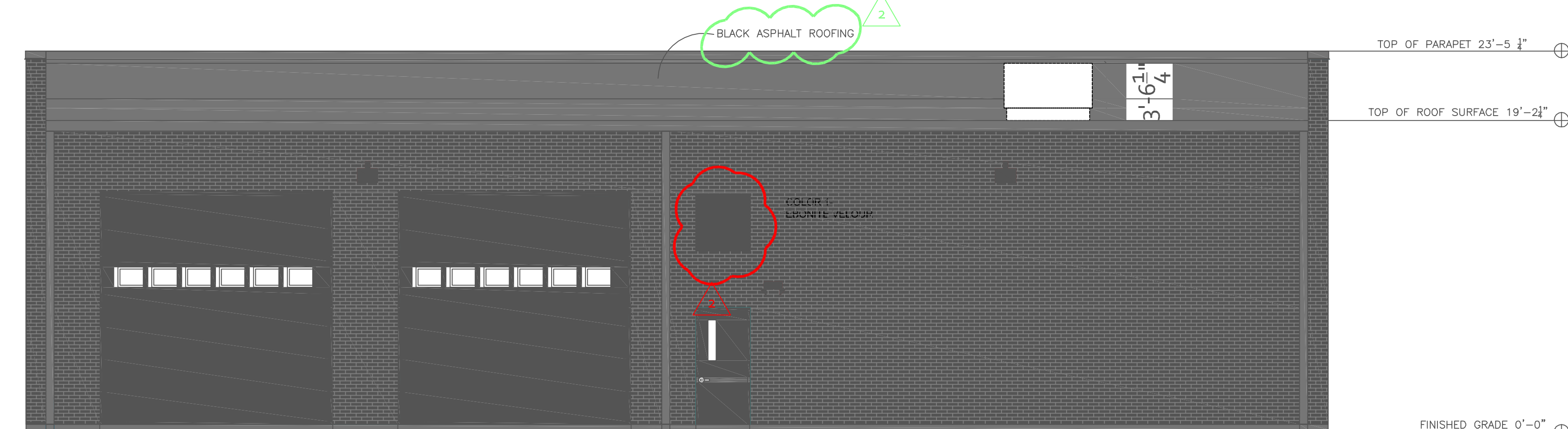
BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE: 708-508-7281

DRAFTSPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS DEVELOPMENT
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
10/24/2024

SHEET NUMBER:
A-0.2



A NORTH ELEVATION
3/16" = 1'-0"



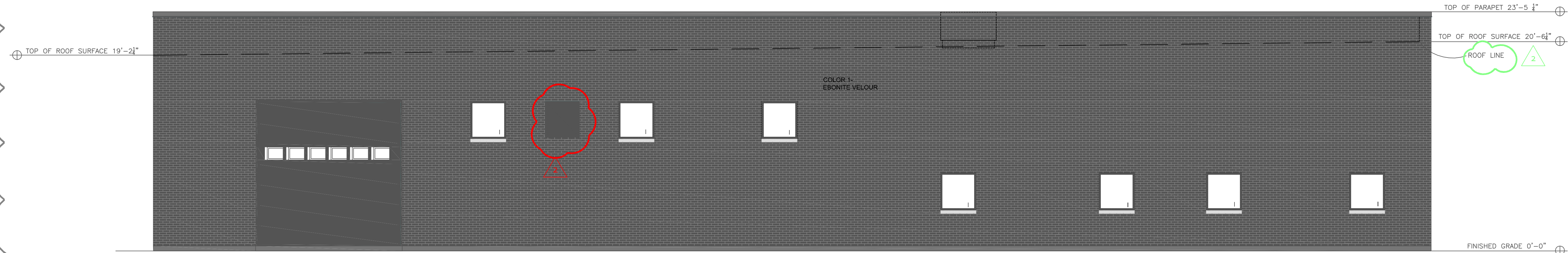
B SOUTH ELEVATION
3/16" = 1'-0"

EXTERIOR MASONRY FINISH AND COLOR BY
GLEN-GERY OR APPROVED EQUAL.

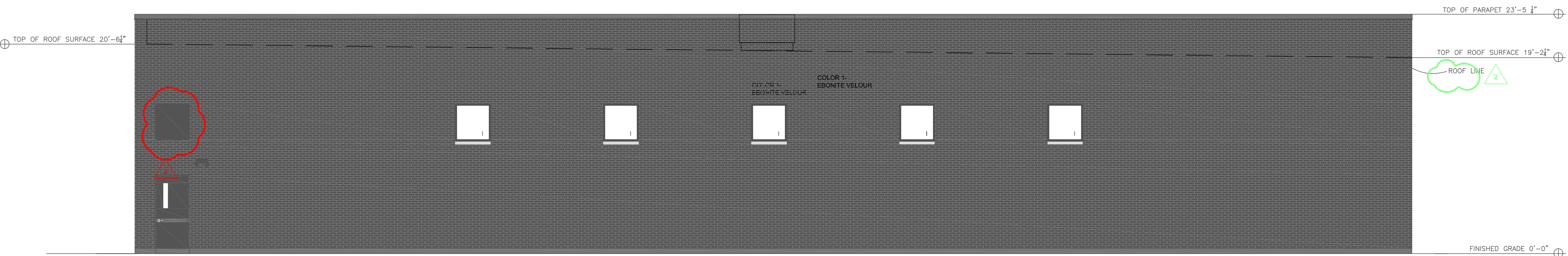
COLOR 1- EBNONITE VELOUR

COLOR 2- DOLOMITE GREY WIRECUT

VERIFY COLOR SELECTION WITH OWNER



C EAST ELEVATION
3/16" = 1'-0"



D WEST ELEVATION
3/16" = 1'-0"

ISSUES AND REVISIONS:

NO.	BY	DATE	DESCRIPTION
1	BRD	03/20/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BRD	01/22/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECTS ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIRMED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.

© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE

ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60151
PHONE: 708-506-7251

DRAFTSPERSON:
BG
APPROVED:
BG

PREPARED FOR:
ASPHALT PROFESSIONALS

LOCATION:
NAPERVILLE, ILLINOIS

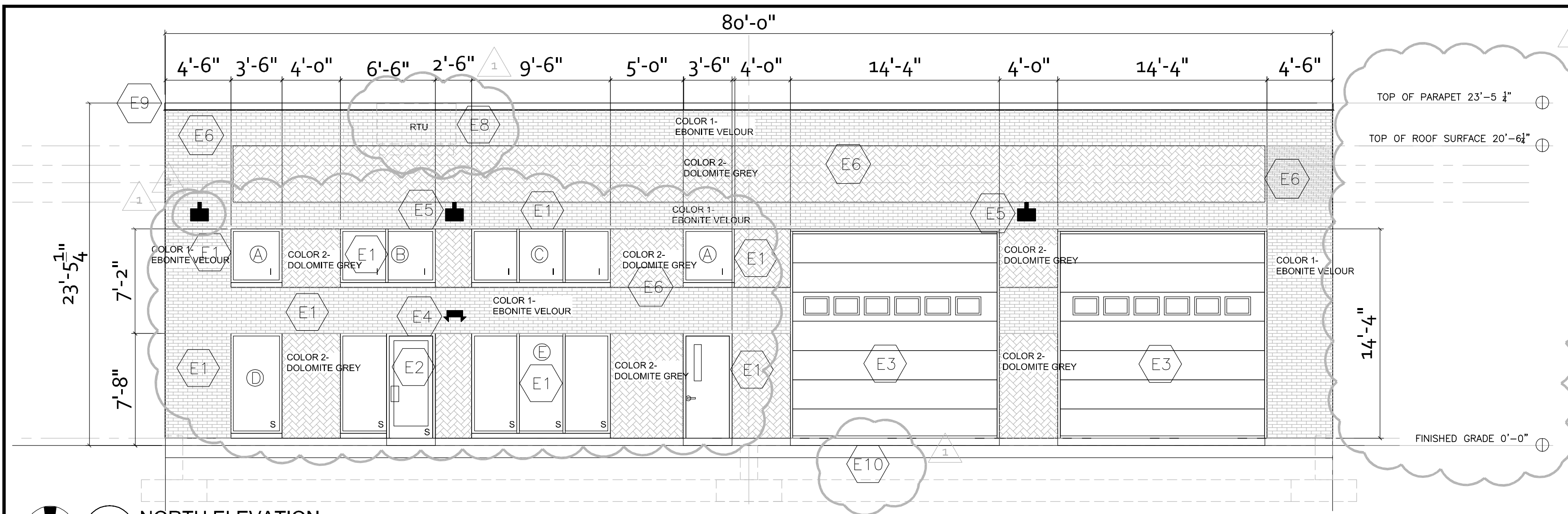
JOB NUMBER:
001-021417

DATE:
10/24/2024

© BR Design & Architecture 2024

Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

SHEET NUMBER:
A-0.3



ELEVATION NOTES:

E1. NEW MASONRY BUILDING WITH ALUMINUM & GLASS FIXED WINDOWS AND STEEL ENTRY / EGRESS DOORS. GLAZING TO BE HIGH PERFORMANCE WITH THERMAL BREAKS TO MEET 2021 IECC U-FACTOR REQUIREMENTS. ANODIZED ALUMINUM DOORS AND WINDOWS TO BE BLACK. EGRESS DOORS TO BE SHERWIN WILLIAMS WEB GRAY SW7075.

E2. THERMALLY INSULATED STEEL MAIN DOOR WITH LEVER STYLE HARDWARE. SEE DOOR SCHEDULE. DOOR AND FRAME TO BE BLACK.

E3. 14'-0" X 14'-0" INDUSTRIAL BLACK OVERHEAD DOOR FACTORY FINISH GALVANIZED STEEL & FRAME. INSULATED PANEL DOOR. SEE FLOOR PLANS AND DETAILS FOR FURTHER INFO. DOOR PANELS TO BE HIGH PERFORMANCE WITH THERMAL INSULATION TO MEET 2021 IECC U-FACTOR REQUIREMENTS.

E4. PROVIDE EXTERIOR RATED BATTERY BACK UP EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS FOR SPECIFICATIONS.

E5. PROVIDE LED EXTERIOR WALL PACK, FULL CUT-OFF, SHIELDED, DARK SKY FRIENDLY WITH INTEGRAL PHOTCELL AND TIME CLOCK CONTROL - SEE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS.

E6. MASONRY VENEER FINISH SYSTEM WITH TWO TONE COLOR AS SHOWN. SEE DETAILS THIS SHEET. COLOR TO BE DETERMINED. CONTRACTOR TO PROVIDE COLOR SAMPLE FOR SELECTION / APPROVAL. PROVIDE CONTINUOUS FLASHING AND WEEPS PER DETAIL.

E7. VERTICAL RIB SIDING - COLOR TO BE DETERMINED. CONTRACTOR TO PROVIDE COLOR SAMPLE FOR SELECTION / APPROVAL.

E8. HVAC UNIT - SEE MECHANICAL DRAWINGS FOR SPECIFICATIONS.

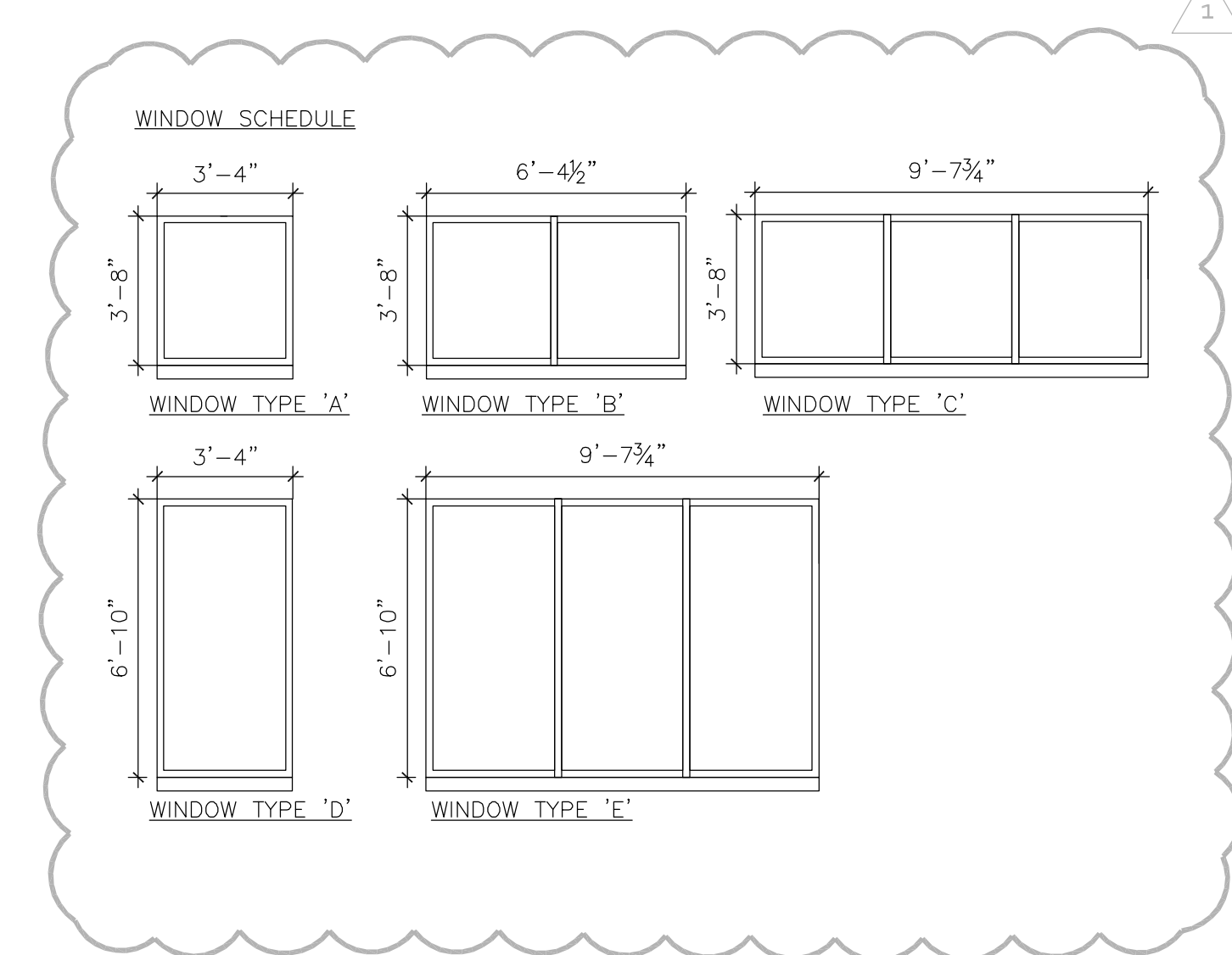
E9. COPING- PRE-FINISHED BLACK STEEL COPING ON PARAPET.

E10. BASE OF BUILDING- CONCRETE, BLACK WEATHERPROOFING

GENERAL NOTES:

1. PROVIDE COLOR MATCH CAULK AT ALL MATERIAL TRANSITIONS.

2. ALL NEW EXTERIOR FENESTRATIONS - WINDOWS AND DOORS TO MEET THE FOLLOWING MAXIMUM U-VALUES - WINDOWS = 0.36 - DOORS = 0.63. FIXED SHGC = 0.38, OPERABLE SHGC = 0.33. GARAGE DOOR U-FACTOR = 0.31. PER 2021 IECC.

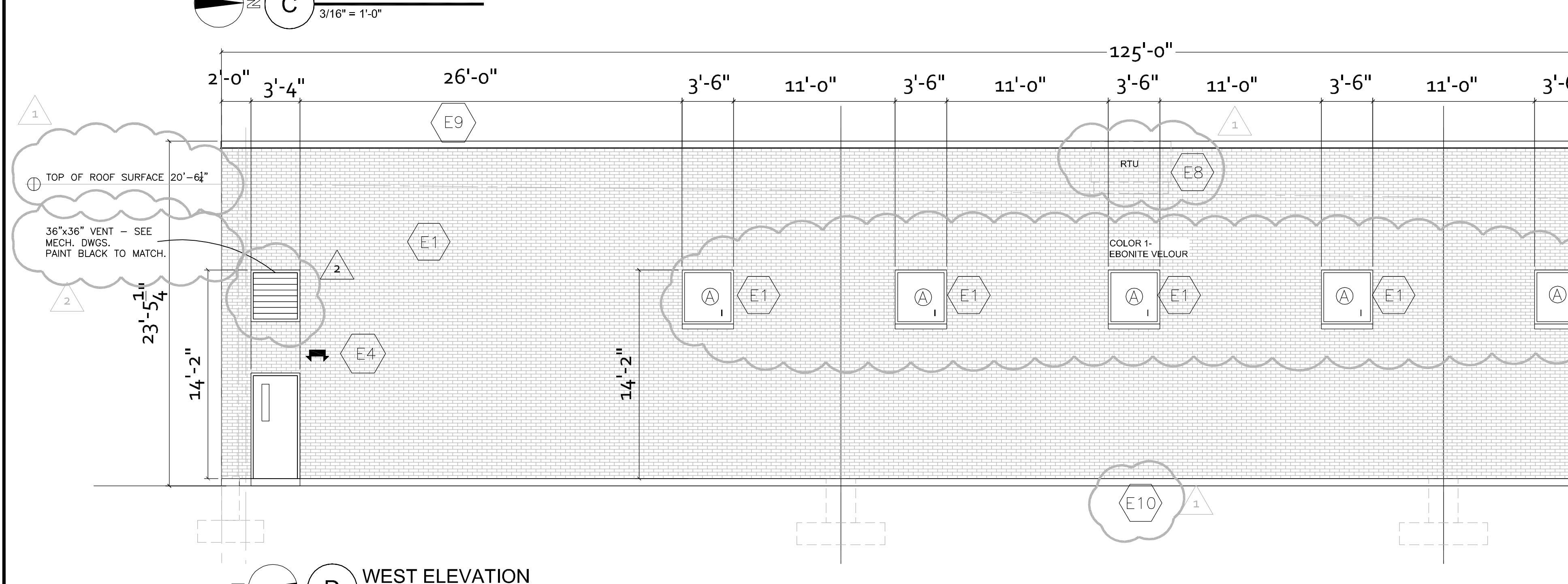
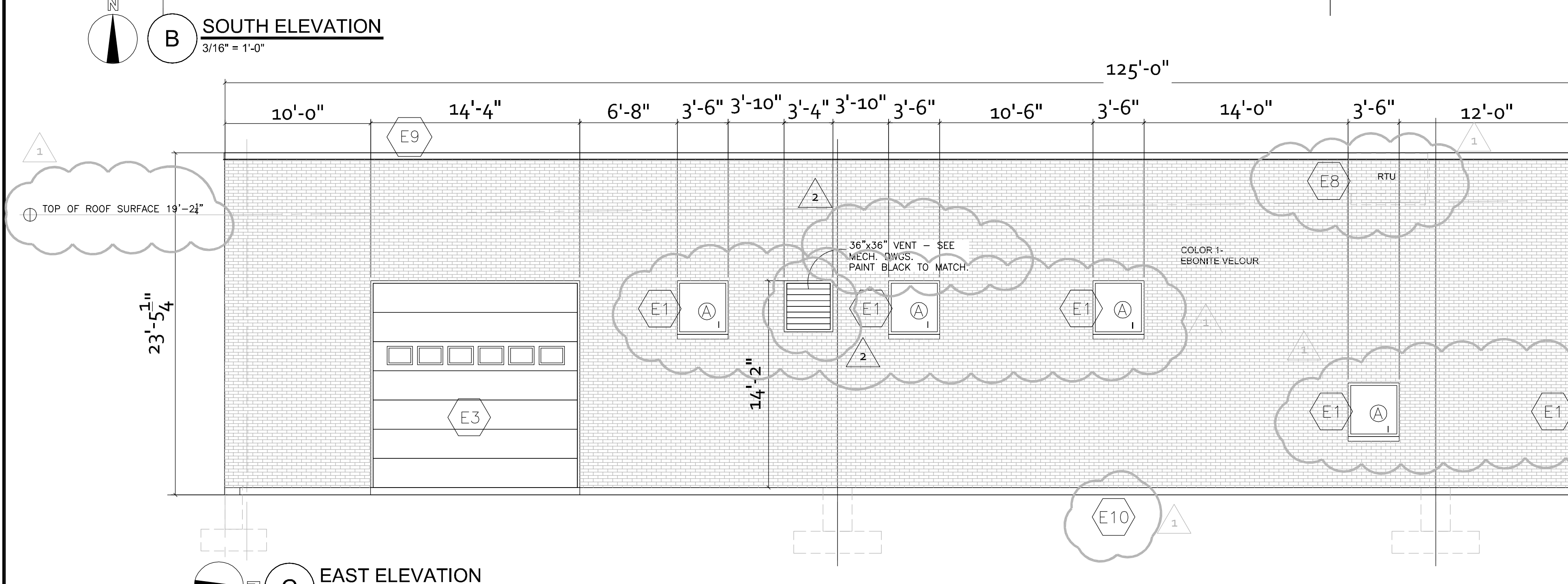
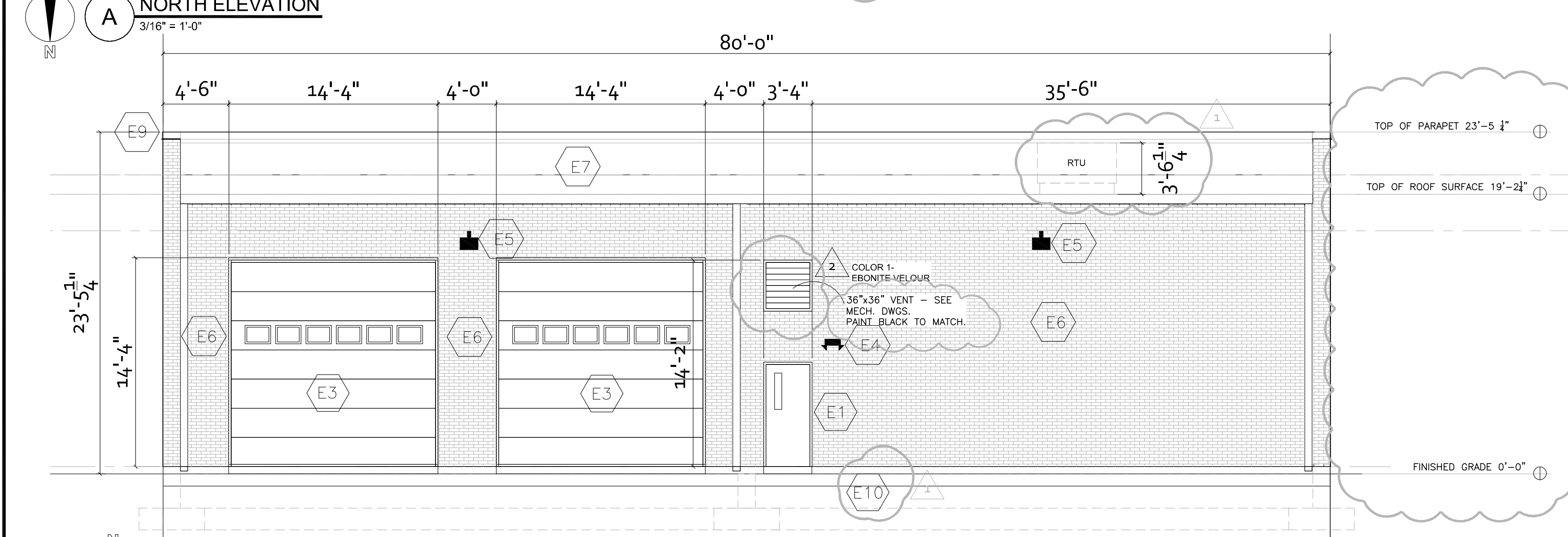


EXTERIOR MASONRY FINISH AND COLOR BY GLEN-GERY OR APPROVED EQUAL.

COLOR 1- EBONITE VELOUR

COLOR 2- DOLOMITE GREY WIRECUT

VERIFY COLOR SELECTION WITH OWNER



© BR Design & Architecture 2024
 Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

ISSUES AND REVISIONS:

NO.	BY	DATE	DESCRIPTION
1	ESD	03/07/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	ESD	07/26/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:

THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.

© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
 DEVELOPMENT
 1756 NORTH AURORA ROAD
 NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE

ONE TRANS AM PLAZA DRIVE SUITE #120
 OAKBROOK TERRACE IL 60181
 PHONE: 708-515-7251

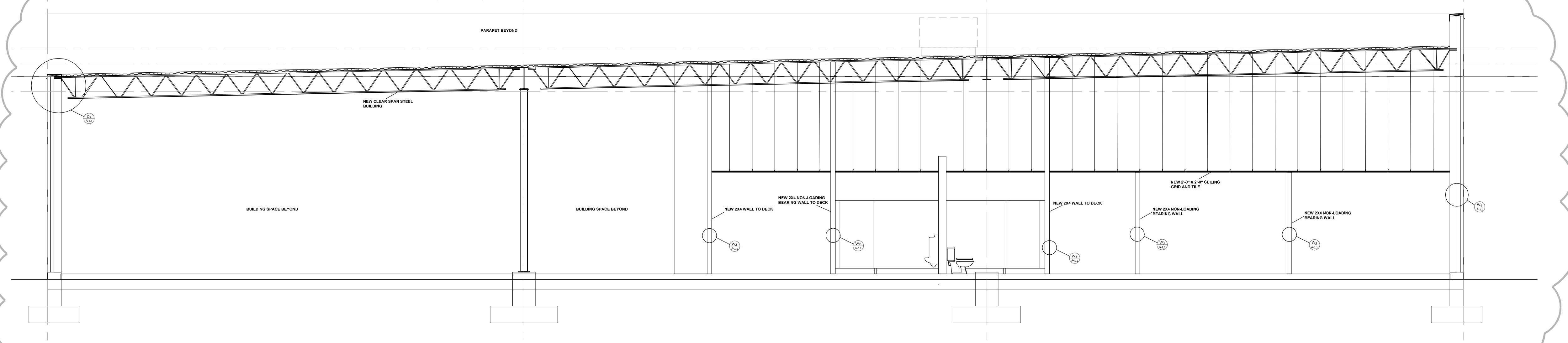
DRAFTSPERSON:
 BG
 APPROVED:
 BG
 PREPARED FOR:
 ASPHALT PROFESSIONALS

LOCATION:
 NAPERVILLE, IL

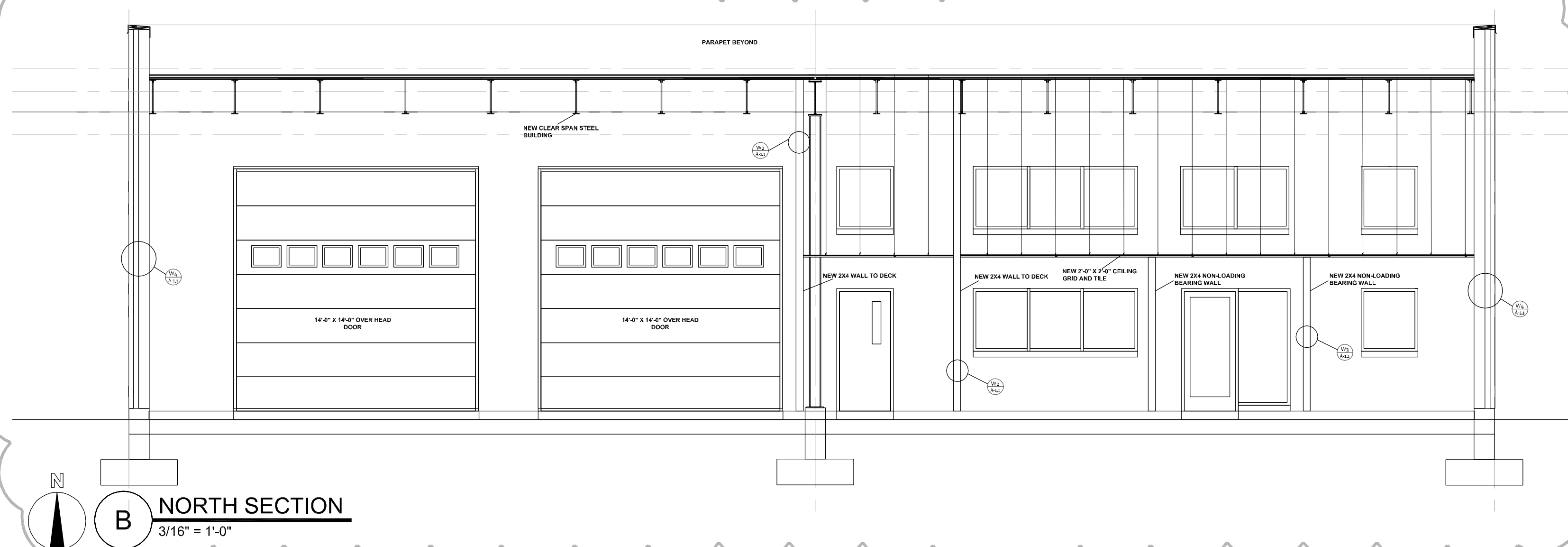
JOB NUMBER:
 001-051437

DATE:
 10/24/2024

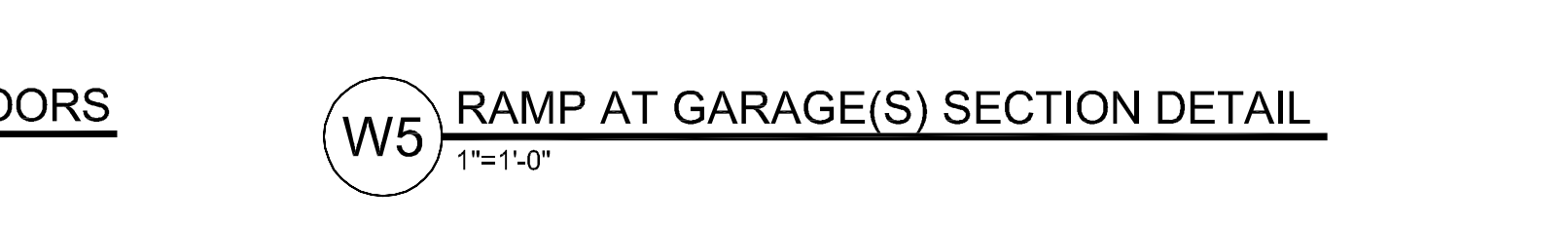
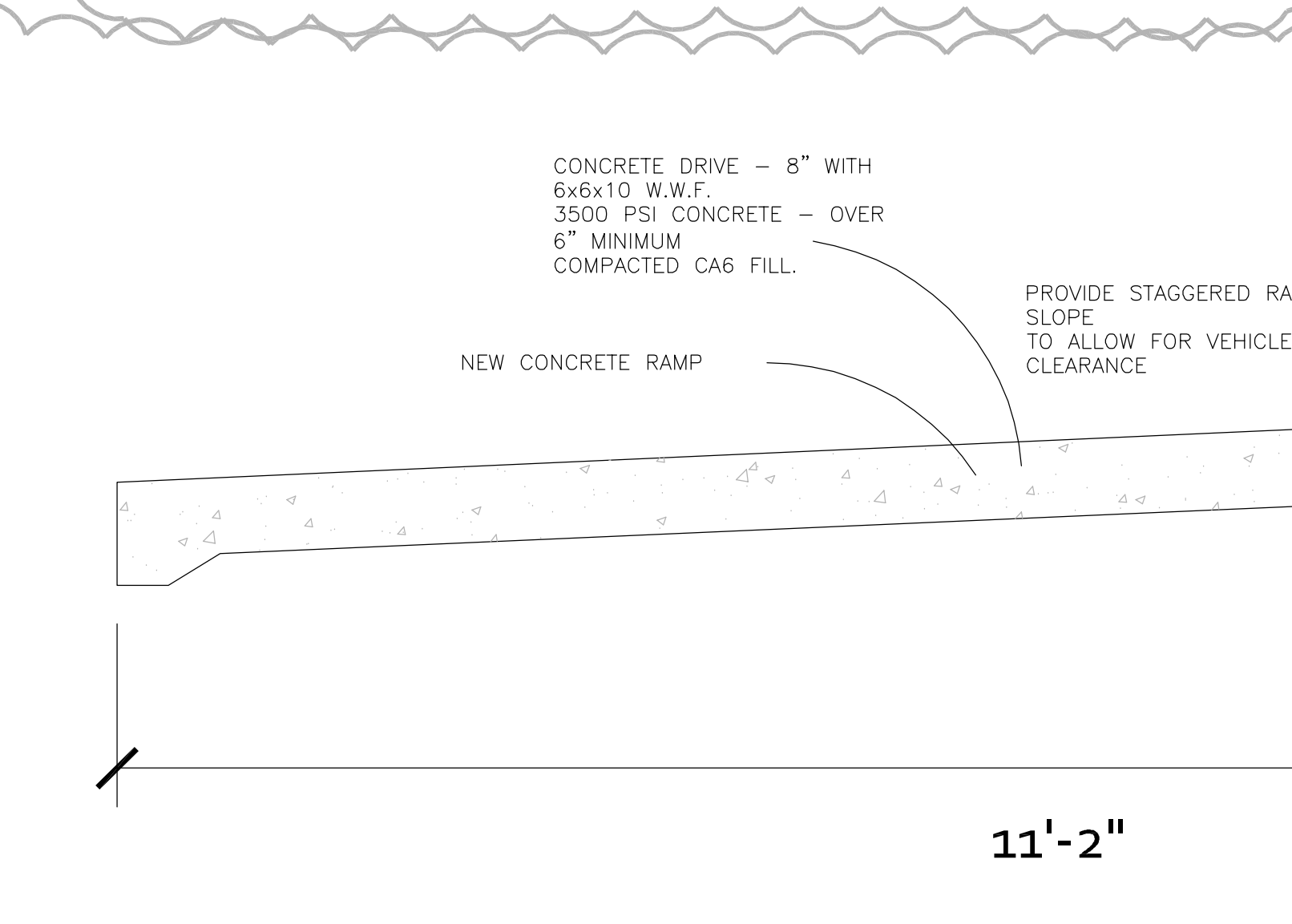
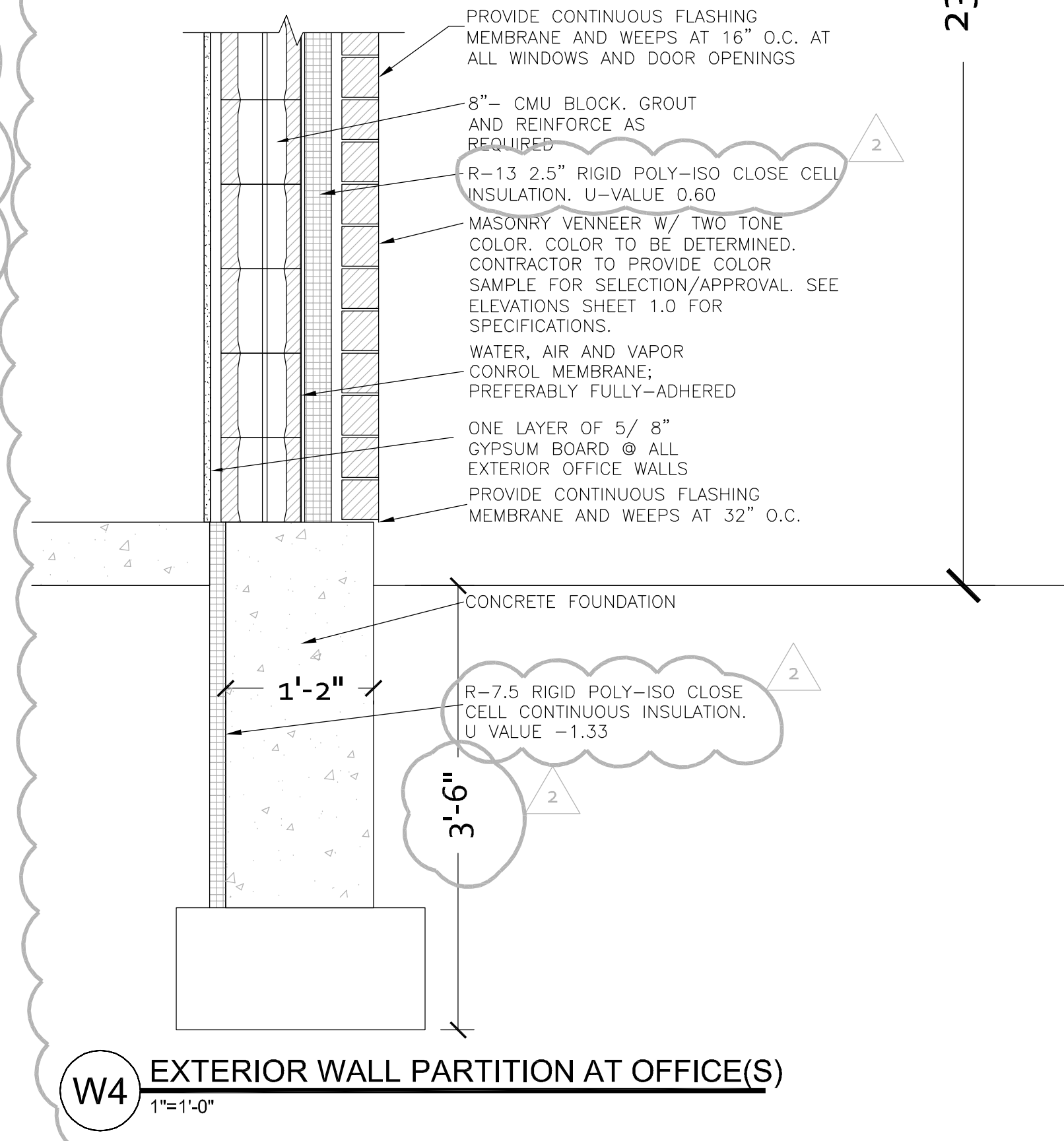
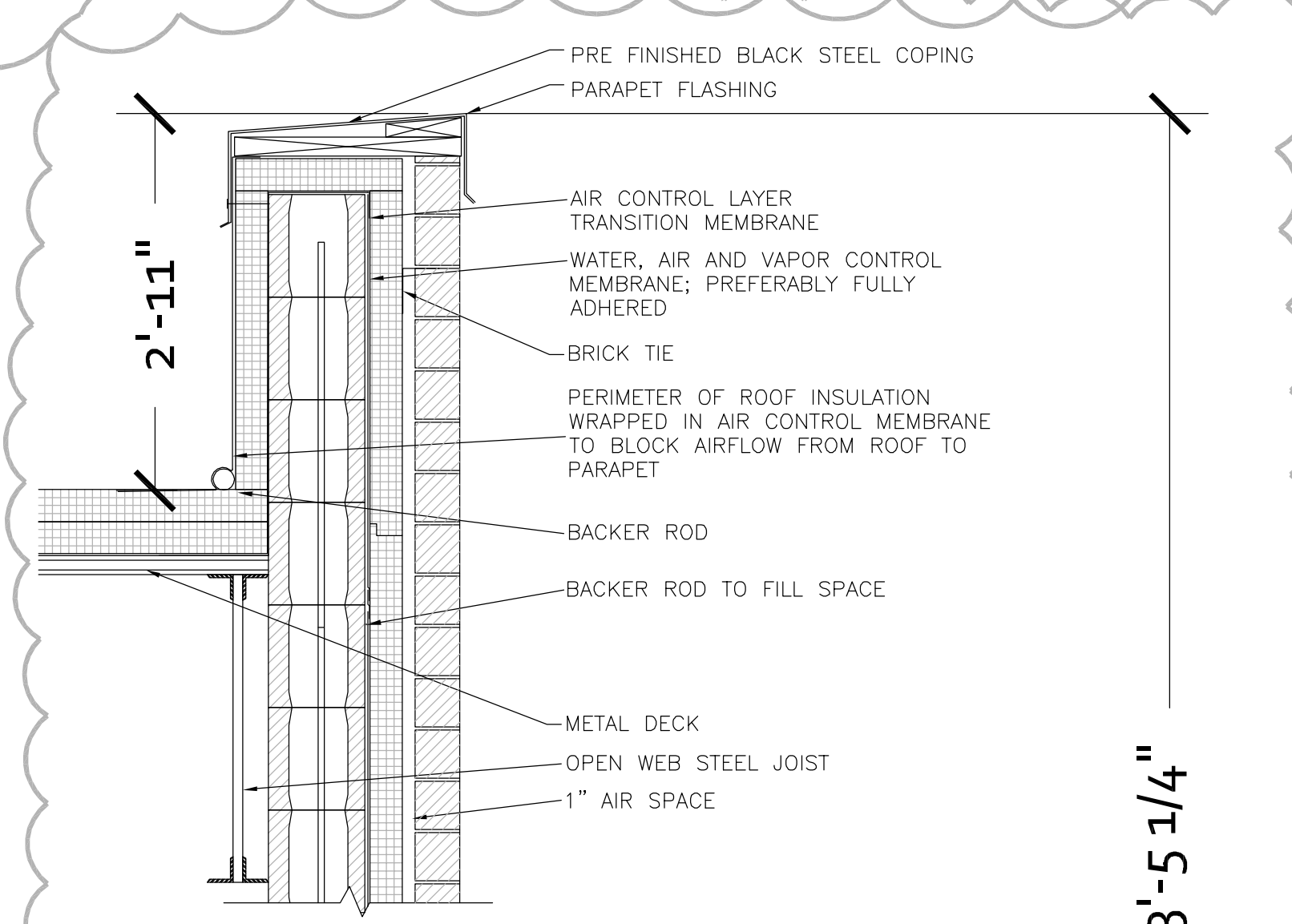
SHEET NUMBER:
A-1.0



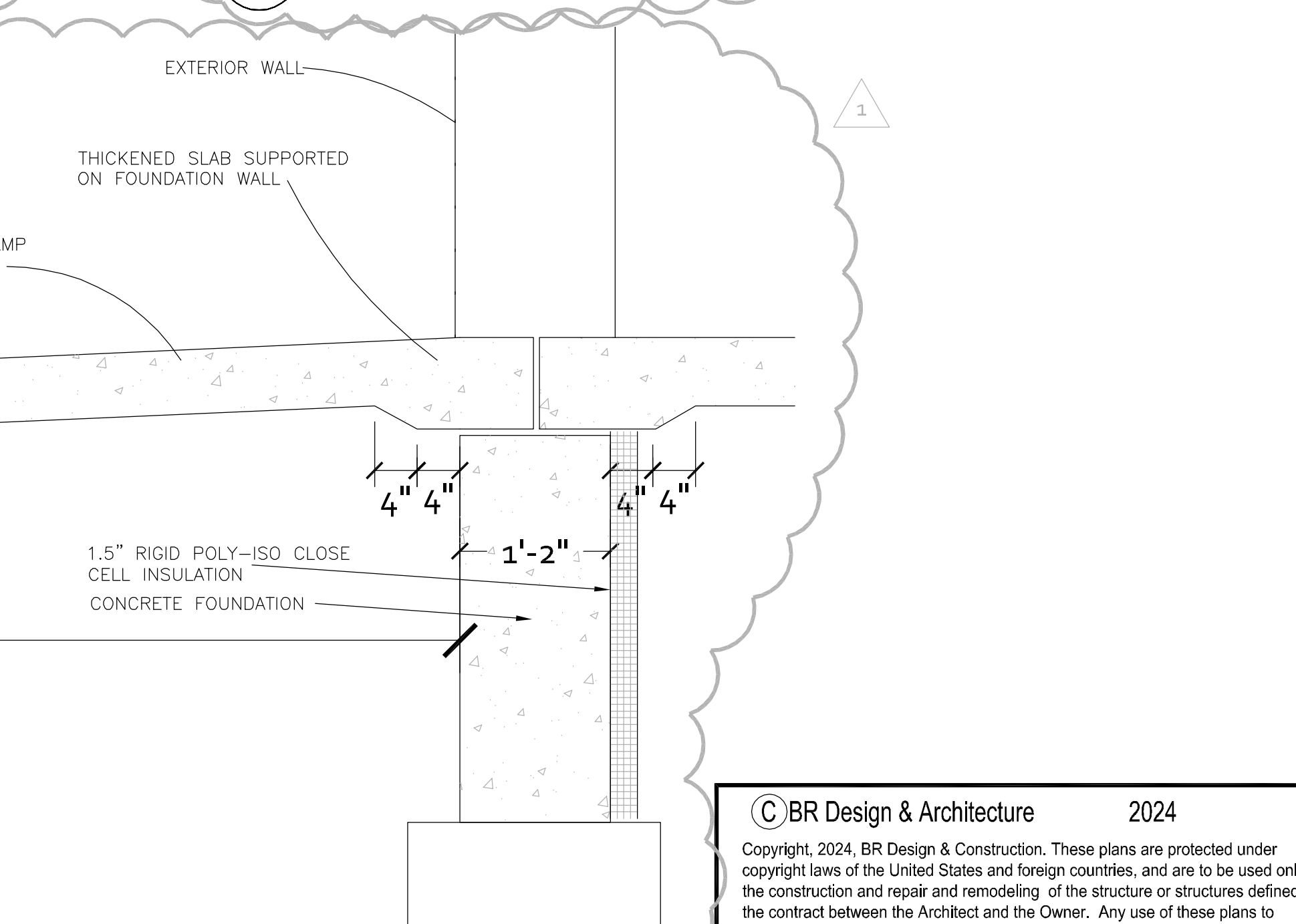
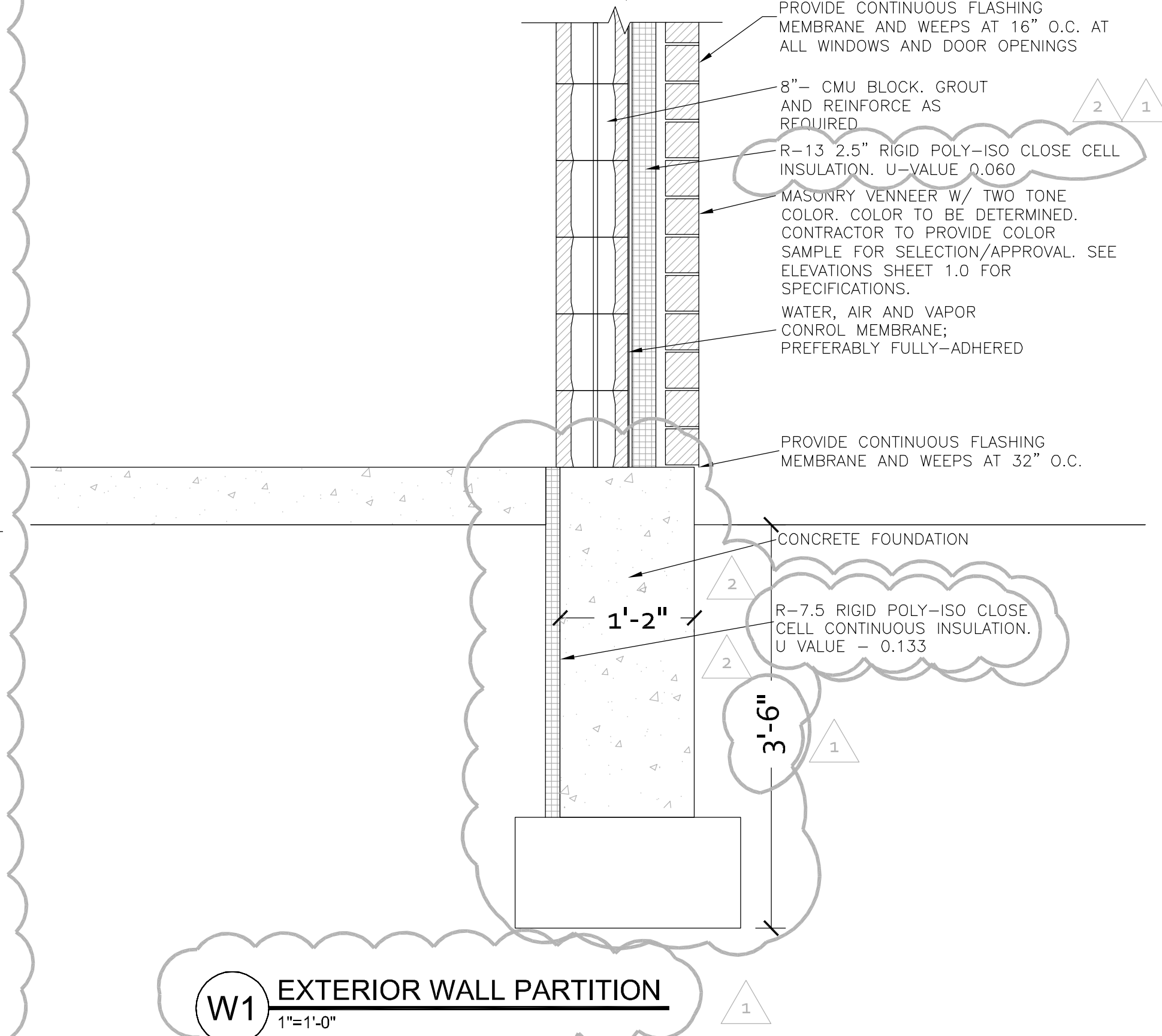
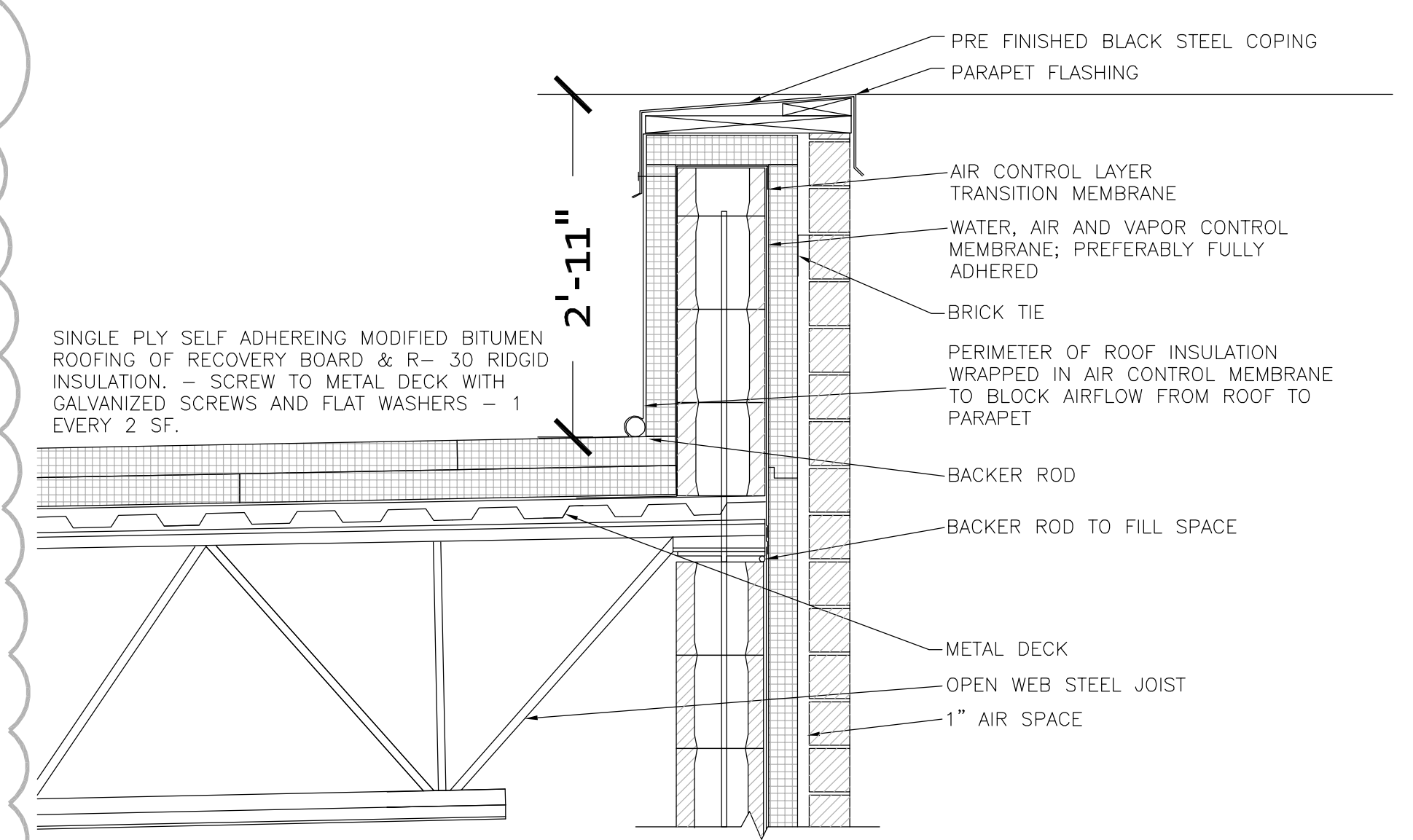
A EAST SECTION
3/16" = 1'-0"



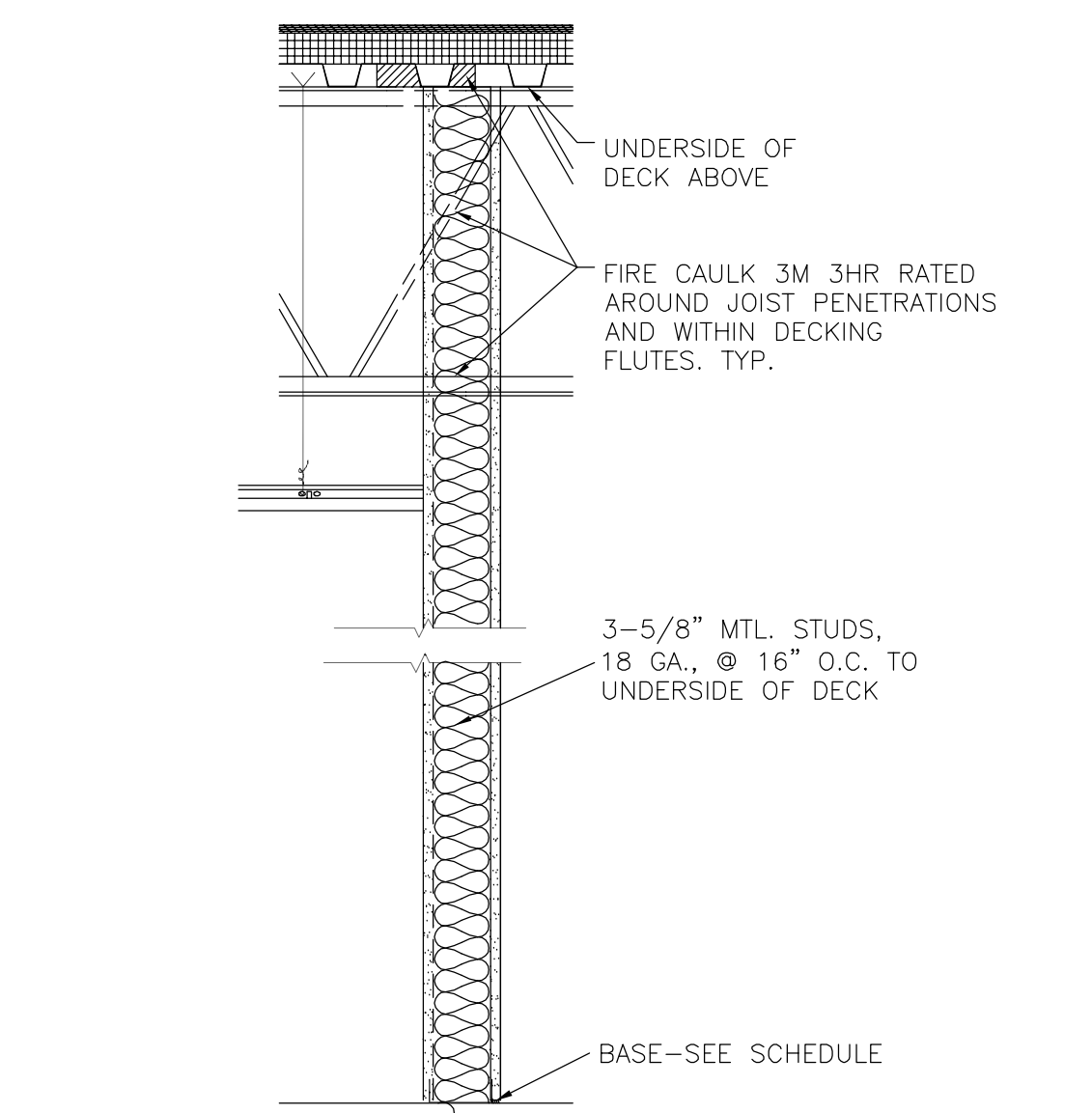
B NORTH SECTION
3/16" = 1'-0"



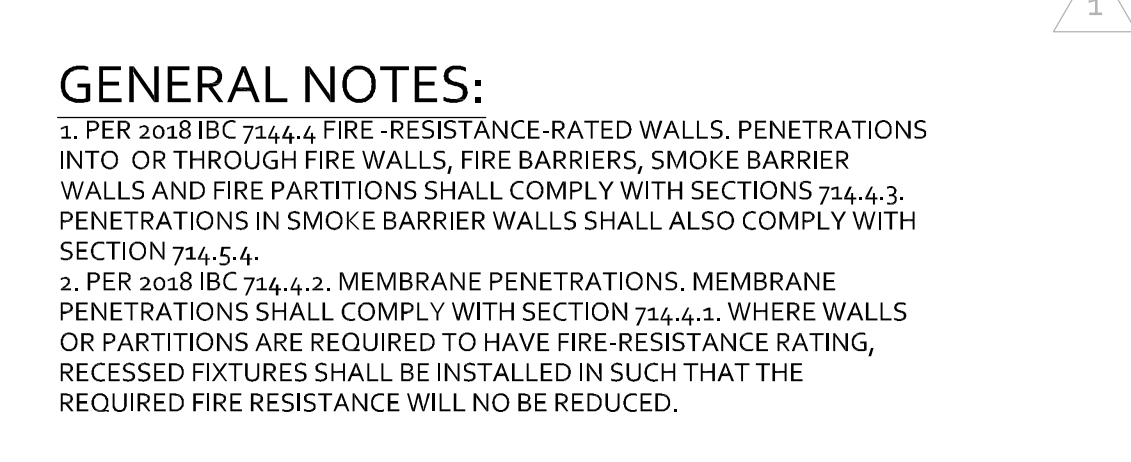
W6 CMU LINTEL BEARING DETAIL @ OVERHEAD DOORS
1" = 1'-0"



W5 RAMP AT GARAGE(S) SECTION DETAIL
1" = 1'-0"



W2 INTERIOR WALL PARTITION TYP. 1 HR WALL UL 419
1" = 1'-0"



D1 GUTTER & DOWNSPOUT DETAIL
1/2" = 1'-0"

GENERAL NOTES:
1. PER 2018 IBC 714.4.4 FIRE-RESISTANCE-RATED WALLS, PENETRATIONS INTO OR THROUGH FIRE WALLS, FIRE BARRIERS, SMOKE BARRIER WALLS AND FIRE PARTITIONS SHALL COMPLY WITH SECTIONS 714.4.3. PENETRATIONS IN SMOKE BARRIER WALLS SHALL ALSO COMPLY WITH SECTION 714.5.4.
2. PER 2018 IBC 714.4.2 MEMBRANE PENETRATIONS, MEMBRANE PENETRATIONS SHALL COMPLY WITH SECTION 714.4.1 WHERE WALLS OR PARTITIONS ARE REQUIRED TO HAVE FIRE-RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED IN SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NO BE REDUCED.

PROVIDE CONTINUOUS FLASHING MEMBRANE AND WEEPS AT 16" O.C. AT ALL WINDOWS AND DOOR OPENINGS
8" CMU BLOCK, GROUT AND REINFORCE AS REQUIRED
R-13 2.5" RIGID POLY-ISO CLOSE CELL INSULATION, U-VALUE 0.60
MASONRY VENNEER W/ TWO-TONE COLOR, COLOR TO BE DETERMINED. CONTRACTOR TO PROVIDE COLOR SAMPLE FOR SELECTION/APPROVAL. SEE ELEVATIONS SHEET 1.0 FOR SPECIFICATIONS.
WATER, AIR AND VAPOR CONTROL MEMBRANE, PREFERABLY FULLY-ADHERED
ONE LAYER OF 5/8" GYPSUM BOARD @ ALL EXTERIOR OFFICE WALLS
PROVIDE CONTINUOUS FLASHING MEMBRANE AND WEEPS AT 32" O.C.

PROVIDE CONTINUOUS FLASHING MEMBRANE AND WEEPS AT 16" O.C. AT ALL WINDOWS AND DOOR OPENINGS
8" CMU BLOCK, GROUT AND REINFORCE AS REQUIRED
R-13 2.5" RIGID POLY-ISO CLOSE CELL INSULATION, U-VALUE 0.60
MASONRY VENNEER W/ TWO-TONE COLOR, COLOR TO BE DETERMINED. CONTRACTOR TO PROVIDE COLOR SAMPLE FOR SELECTION/APPROVAL. SEE ELEVATIONS SHEET 1.0 FOR SPECIFICATIONS.
WATER, AIR AND VAPOR CONTROL MEMBRANE, PREFERABLY FULLY-ADHERED
PROVIDE CONTINUOUS FLASHING MEMBRANE AND WEEPS AT 32" O.C.

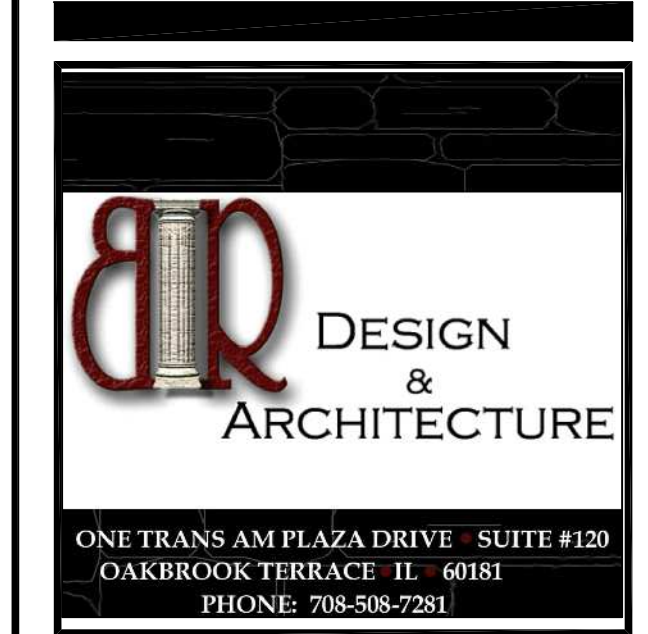
GENERAL NOTES:
1. PER 2018 IBC 714.4.4 FIRE-RESISTANCE-RATED WALLS, PENETRATIONS INTO OR THROUGH FIRE WALLS, FIRE BARRIERS, SMOKE BARRIER WALLS AND FIRE PARTITIONS SHALL COMPLY WITH SECTIONS 714.4.3. PENETRATIONS IN SMOKE BARRIER WALLS SHALL ALSO COMPLY WITH SECTION 714.5.4.
2. PER 2018 IBC 714.4.2 MEMBRANE PENETRATIONS, MEMBRANE PENETRATIONS SHALL COMPLY WITH SECTION 714.4.1 WHERE WALLS OR PARTITIONS ARE REQUIRED TO HAVE FIRE-RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED IN SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NO BE REDUCED.

NO.	REV.	DATE	DESCRIPTION
1	ESD	03/20/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	ESD	07/26/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NO.	REV.	DATE	DESCRIPTION
1	ESD	03/20/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	ESD	07/26/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

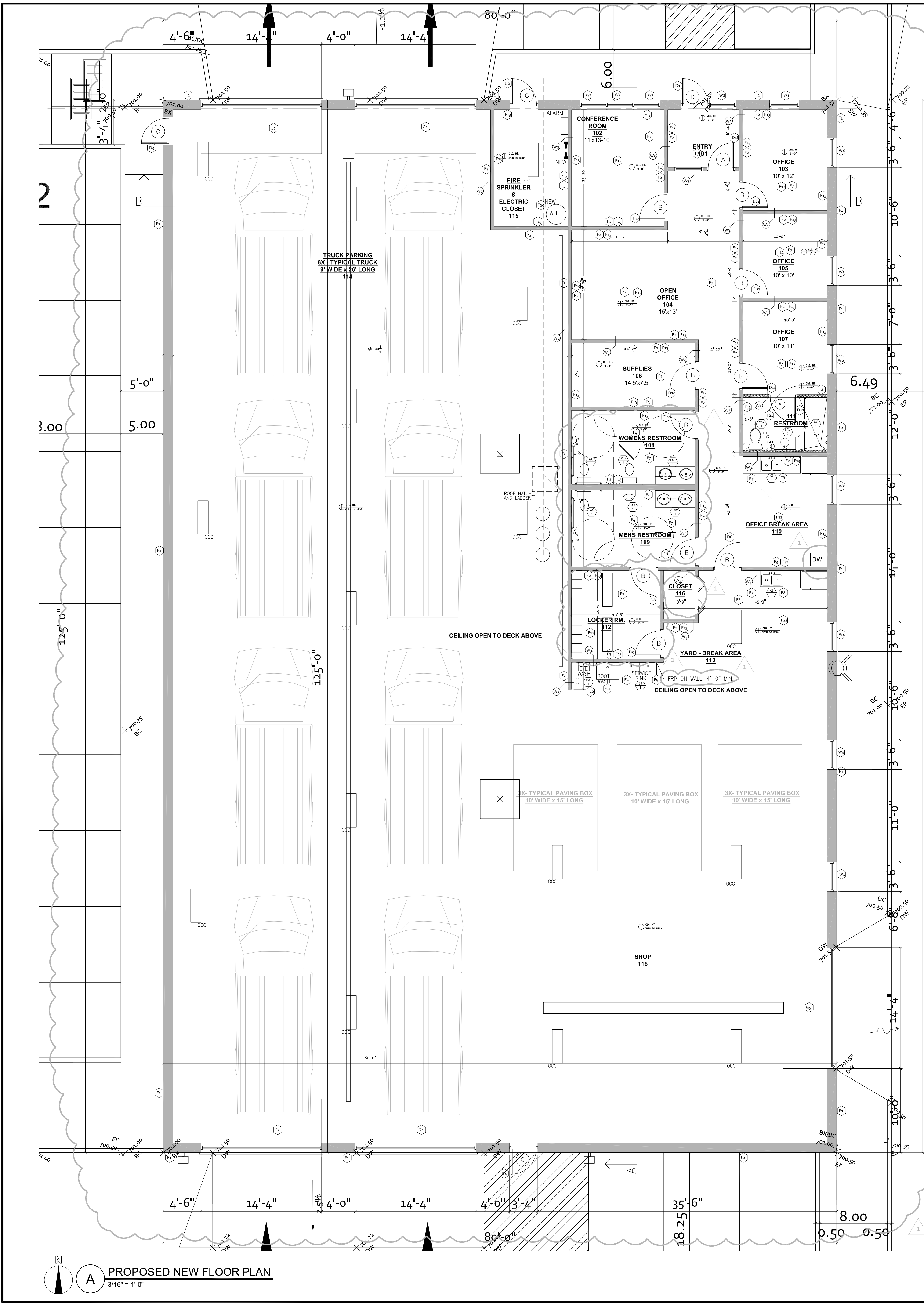
ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS



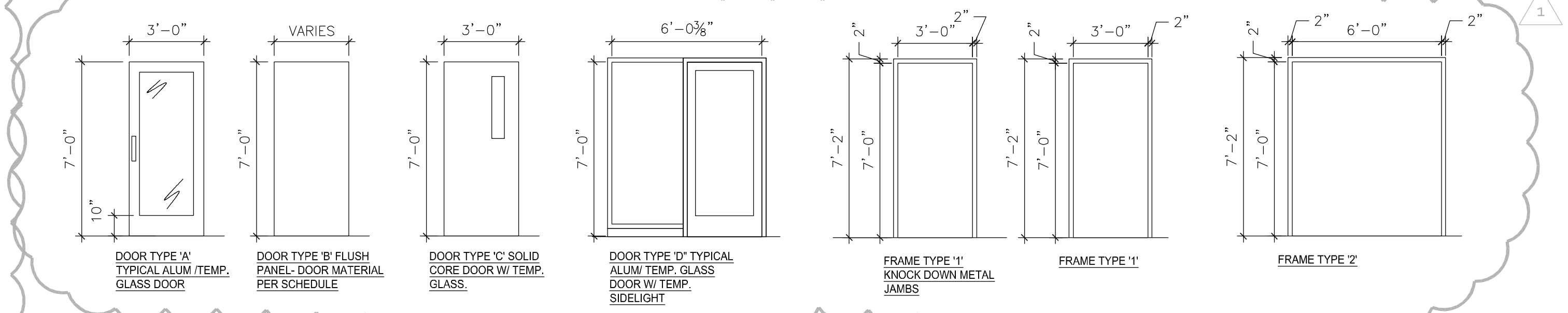
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60451
PHONE: 708-505-7251

DRAFTSPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PROFESSIONALS
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
10/24/2024

BR DESIGN & ARCHITECTURE
2024
SHEET NUMBER:
A-1.1



ROOM NUMBER	ROOM NAME	FLOOR	BASE	ROOM FINISH SCHEDULE								CEILING	CEILING HEIGHT	NOTES
				NORTH		EAST		SOUTH		WEST				
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
101	ENTRY	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
102	CONFERENCE ROOM	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
103	OFFICE	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
104	OPEN OFFICE	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
105	OFFICE	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
106	SUPPLY ROOM	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
107	OFFICE	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
109	HALL	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
108	WOMEN'S RESTROOM	TILE	TILE	GYP. BD.	PT	GYP. BD.	PT	TILE	TILE	TILE	TILE	ACC	9'-0" +/-	PROVIDE CERAMIC TILE TO 4' AFF. MINIMUM AT WALLS BEHIND & ADJACENT TO PLUMBING FIXTURES
109	MEN'S RESTROOM	TILE	TILE	GYP. BD.	PT	GYP. BD.	PT	TILE	TILE	TILE	TILE	ACC	9'-0" +/-	PROVIDE CERAMIC TILE TO 4' AFF. MINIMUM AT WALLS BEHIND & ADJACENT TO PLUMBING FIXTURES
110	OFFICE BREAK AREA	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
111	PRIVATE RESTROOM	TILE	TILE	GYP. BD.	PT	GYP. BD.	PT	TILE	TILE	TILE	TILE	ACC	9'-0" +/-	CEILING OPEN TO ABOVE
112	LOCKER ROOM	LVT	VB	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	ACC	9'-0" +/-	PROVIDE NEW CLG GRID & TILE
113	YARD - BREAK AREA	CONC.	---	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	OPEN	18'-6" +/-	PROVIDE FRP PANELING TO 4' AFF. AT WALLS BEHIND AND ADJACENT TO SERVICE SINK(S), EYE WASH STATION AND BOOT WASH STATION
114	TRUCK PARKING	CONC.	---	EXPOSED CMU	PT	EXPOSED CMU	PT	EXPOSED CMU	PT	EXPOSED CMU	PT	OPEN	18'-6" +/-	CEILING OPEN TO ABOVE
115	FIRE SPRINKLER & ELECTRIC CLOSET	CONC.	---	EXPOSED CMU	PT	EXPOSED CMU	PT	EXPOSED CMU	PT	EXPOSED CMU	PT	OPEN	18'-6" +/-	CEILING OPEN TO ABOVE
116	SHOP	CONC.	---	EXPOSED CMU	PT	EXPOSED CMU	PT	EXPOSED CMU	PT	EXPOSED CMU	PT	OPEN	18'-6" +/-	CEILING OPEN TO ABOVE
116	CLOSET	CONC.	---	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	GYP. BD.	PT	OPEN	18'-6" +/-	CEILING OPEN TO ABOVE



- DOOR HARDWARE**
- GROUP 1: 1 1/2" FAIR BUTT HINGES, PADDLE HARDWARE, KEYS
 - GROUP 2: 1 1/2" FAIR BUTT HINGES, NON-LEVER TYPE HANDLE, PRIVACY LOCKSET
 - GROUP 3: 1 1/2" FAIR BUTT HINGES, LEVER HANDLE ON INTERIOR/EXTERIOR, WI KEYS
- DOOR SCHEDULE ABBREVIATIONS**
- HM: HOLLOW METAL DOOR
 - HMI: INSULATED HOLLOW METAL EXTERIOR DOORS
 - WOSC: BIRCH VENEER WOOD - SOLID CORE
 - GLASS: FULL LITE GLASS AND ALUMINUM DOOR
- DOOR SCHEDULE NOTES:**
- ALL DOORS SHALL BE 1 3/4" THICK UNLESS NOTED OTHERWISE
 - PROVIDE WALL BUMPERS OR FLOOR STOPS FOR ALL SWINGING DOORS
 - ADA LEVER HARDWARE ON ALL DOOR W/ KNUCKLED HARDWARE INTO HAZARD ROADS
 - ALL EGRESS DOORS SHALL UTILIZE KEYLESS LOCKSETS AND BE READILY OPERABLE.
 - NO FLUSH BOLTS, DEAD OR DRAW BOLTS ARE ALLOWED.
 - OPERATING PRESSURE OF DOORS: EXTERIOR: MAX 5.09; INTERIOR: MAX 5.09
 - DOOR THRESHOLD SHALL NOT EXCEED 1/2" IN HEIGHT. THRESHOLDS EXCEEDING 1/4" IN HEIGHT SHALL HAVE A 1/2" BEVEL
 - ALL GLAZING FOR NEW ENTRY DOORS AND SIDELIGHT(S) SHALL BE INSULATED / TEMPERED GLASS

- ROOM FINISH NOTES:**
- ALL INTERIOR WALL FINISHES SHALL NOT BE LESS THAN CLASS II FINISHES AS CLASSIFIED IN ACCORDANCE WITH ASTM E84
 - ALL INTERIOR FLOOR FINISHES SHALL NOT BE LESS THAN CLASS II MATERIALS PER ASTM E648. INTERIOR FLOOR FINISHES SHALL COMPLY WITH THE DOC FF-1 "PILL TEST" (CPS 16 PART 169).
 - MINIMUM CRITICAL RADIANT FLUX OF 0.4 WATTS/CM²
 - ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE A FLAME AND SMOKE RATING NOT GREATER THAN DESIGNATED BY THE REQUIRED CLASSIFICATION.
 - ALL NEW STAIN GRADE DOORS TO RECEIVE STAIN OR PAINT (VERIFY WITH OWNER) WITH METAL FRAMES TO RECEIVE PAINT.
 - ALL DRYWALL SURFACES (NEW & EXISTING) TO RECEIVE NEW PAINT. COORDINATE WITH OWNER FOR COLORS AND FINISH.
 - ANY AND ALL REQUIRED FIRE ALARM STROBES OR MOUNTS IDEALLY PLACED ABOVE 7'-0" TO ALLOW FOR TENANT'S MAXIMIZED USE OF WALL SPACE. VERIFY WITH LOCAL AUTHORITY PRIOR TO INSTALL.
 - CONSULT TENANT ON EXACT THERMOSTAT RELOCATION, IF NECESSARY PRIOR TO INSTALL.

- FINISH ABBREVIATIONS:**
- GYP. BD. = 1/2" TYPE 'X' GYPSUM BOARD
 - WRGB = 3/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD
 - PT = SEMI-GLOSS PAINT FINISH
 - VCT = ANTIMICROBIAL VINYL COMPOSITE FLOORING BY BOLYUI OR APPROVED EQUAL
 - CMU = CARPETING BY BOLYUI OR APPROVED EQUAL
 - CER = CERAMIC TILE BY DAL TILE OR APPROVED EQUAL
 - ACC = 2x2 ACCOUSTICAL CEILING TILE-USG OPTIMA OR APPROVED EQUAL

- FLOOR PLAN NOTES:**
- PROVIDE NEW BLOCK AND BRICK EXTERIOR WALLS. SEE DETAIL W1 & W4 SHEET A-1.1 FOR SPECIFICATIONS AND FINISH REQUIREMENTS.
 - PROVIDE NEW NON-LOADING BEARING INTERIOR WALL AS SHOWN. SEE DETAIL W1 SHEET A-1.1 FOR SPECIFICATIONS AND FINISH REQUIREMENTS.
 - PROVIDE NEW INTERIOR PARTITION WALL. SEE DETAIL W2 & W3 SHEET A-1.1 FOR SPECIFICATIONS AND FINISH REQUIREMENTS.
 - PROVIDE NEW PLUMBING FIXTURES, STALLS AND ACCESSORIES.
 - PROVIDE NEW COUNTERTOP(S) AT BREAK ROOM KITCHEN(S) AS SHOWN.
 - PROVIDE NEW 3'-0" X 7'-0" DOOR. SEE DOOR SCHEDULE FOR DETAILS AND SPECIFICATIONS. DOOR TAGS ARE LABELED WITH LETTER D.
 - PROVIDE NEW FLOORING. SEE ROOM FINISH SCHEDULE FOR FINISH THIS SHEET.
 - PROVIDE NEW KITCHEN SINK(S) AS SHOWN.
 - PROVIDE NEW SERVICE SINK(S) AS SHOWN.
 - PROVIDE NEW EYE WASH STATION AS SHOWN.
 - BOOT WASH STATION TO BE PROVIDED BY OWNER
 - FURNITURE TO BE PROVIDED BY OWNER.
 - CONTRACTOR TO VERIFY WITH TENANT ON REQUIRED PAINT COLORS. SEE ROOM FINISH SCHEDULE FOR DETAILS AND SPECIFICATIONS.
 - GENERAL CONTRACTOR TO PROVIDE NEW 10# TYPE #4686 FIRE EXTINGUISHER. FINAL LOCATIONS TO BE DETERMINED BY FIRE MARSHAL AT TIME OF INSPECTION. HAVE UNIT AVAILABLE WITH PROPER TAGS AND MOUNTING HARDWARE DURING WALK-THRU.
 - ELECTRICAL PANEL LOCATION TO BE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
 - PROVIDE NEW ALUM & GLASS FIXED WINDOWS. GLAZING TO BE HIGH PERFORMANCE W/ THERMAL BREAKS TO MEET 2021 IECC U-FACTOR REQUIREMENTS. WINDOW TAGS ARE LABELED WITH LETTER W.
 - PROVIDE NEW 3'-0" X 7'-0" EGRESS DOORS. GLAZING TO BE HIGH PERFORMANCE W/ THERMAL BREAKS TO MEET 2021 IECC U-FACTOR REQUIREMENTS. SEE DOOR SCHEDULE FOR DETAILS AND SPECIFICATIONS THIS SHEET.
 - PROVIDE NEW 14'-0" X 4'-0" OVERHEAD INSULATED PANEL DOOR. DOOR PANELS TO BE HIGH PERFORMANCE WITH THERMAL INSULATION TO MEET 2021 IECC U-FACTOR REQUIREMENTS. DOORS ARE LABELED WITH LETTER G.
 - PROVIDE THERMALLY INSULATED ALUM AND GLASS MAIN DOOR WITH LEVER STYLE HARDWARE AND SIDELIGHT. SEE DOOR SCHEDULE THIS SHEET.
 - PROVIDE NEW WATER HEATER. SEE PLUMBING SCHEDULE SHEET A-5.0 FOR DETAILS AND SPECIFICATIONS.
 - PROVIDE NEW RESTROOM ACCESSORIES, CUSTOM PRIVATE SHOWER AND TILE. SEE PLUMBING FIXTURE SCHEDULE SHEET A-5.0

- GENERAL NOTES:**
- PER 2018 IBC 1607.15 INTERIOR WALLS AND PARTITIONS: INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT, INCLUDING THEIR FINISH MATERIALS, SHALL HAVE ADEQUATE STRENGTH AND STIFFNESS TO RESIST A MINIMUM OF 5 PSF HORIZONTAL LOAD
 - FLOOR TRANSITIONS SHALL NOT EXCEED 1/4" INCH VERTICAL CHANGES IN LEVEL FROM 1/4" MIN UP TO 3/4" MAX SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:1, IAC 303.2 & 303.3
 - PER 2018 IBC 2603.4.1.3 GARAGE DOORS: WHERE GARAGE DOORS ARE PERMITTED WITHOUT A FIRE-RESISTANCE RATING AND FOAM PLASTIC IS USED AS A CORE MATERIAL, THE DOOR FACING SHALL BE METAL HAVING A MINIMUM THICKNESS OF 0.032-INCH ALUMINUM OR 0.030-INCH STEEL OR THE FACING SHALL BE MINIMUM 0.135-INCH THICK WOOD. GARAGE DOORS HAVING FACINGS OTHER THAN THOSE DESCRIBED IN THIS SECTION SHALL BE TESTED IN ACCORDANCE WITH, AND MEET THE ACCEPTANCE CRITERIA OF, DASMA 107.
 - MAXIMUM DOOR OPENING FORCES FOR EGRESS DOORS SHALL BE 8.5 LBF FOR EXTERIOR DOORS, 5 LBF FOR INTERIOR DOORS. IAC 404.2.9
 - PER 2021 IECC C402.5.4 AIR LEAKAGE OF PENETRATION: THE AIR LEAKAGE OF PENETRATION ASSEMBLIES SHALL MEET THE PROVISIONS OF TABLE C402.5.4, PER TABLE C402.5.4, ROLLING DOORS SHALL HAVE A MAXIMUM AIR LEAKAGE RATE OF 1.00 CFM PER SQUARE FOOT.
 - PER 2018 IBC 1010.1.9.4 LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXISTS:
 - IN BUILDINGS IN OCCUPANCY GROUP A HAVING AN OCCUPANT LOAD OF 300 OR LESS, GROUPS B, F, M, AND S, AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED:
 - THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED.
 - A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN THE SPACE IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1-INCH HIGH ON A CONTRASTING BACKGROUND.
 - THE KEY-OPERATED LOCKING DEVICE IS REVOCABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.
 - PER 2018 IBC 1607.5.5 POSTING: THE MAXIMUM WEIGHT OF VEHICLES ALLOWED INTO OR ON A GARAGE OR OTHER STRUCTURE SHALL BE POSTED BY THE OWNER OF THE OWNER'S AUTHORIZED AGENT IN ACCORDANCE WITH SECTION 106.1.
 - PER 2021 IEC C403.11.3 COMMERCIAL REFRIGERATOR-FREEZERS AND REFRIGERATION: REFRIGERATION EQUIPMENT, DEFINED IN DOE-10 CRF PART 431.62, SHALL HAVE AN ENERGY USE IN KW/HDY NOT GREATER THAN THE VALUES OF TABLE C403.11.3. WHEN TESTED AND RATED IN ACCORDANCE WITH AHRI STANDARD 1200.
 - PER TABLE C402.5.4, ROLLING DOORS SHALL HAVE A MAXIMUM AIR LEAKAGE RATE OF 1.00 CFM PER SQUARE FOOT.

- GENERAL NOTES:**
- BY CONTRACTOR
- C401.3 THERMAL ENVELOPE CERTIFICATE. A PERMANENT THERMAL ENVELOPE CERTIFICATE SHALL BE COMPLETED BY AN APPROVED PARTY. SUCH CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE SPACE CONDITIONING EQUIPMENT IS LOCATED, A UTILITY ROOM OR OTHER APPROVED LOCATION. IF LOCATED ON AN ELECTRICAL PANEL, THE CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL, SERVICE DISCONNECT LABEL OR OTHER REQUIRED LABELS. A COPY OF THE CERTIFICATE SHALL ALSO BE INCLUDED IN THE CONSTRUCTION FILES FOR THE PROJECT. THE CERTIFICATE SHALL INCLUDE THE FOLLOWING:
 - R-VALUES OF INSULATION INSTALLED IN OR ON CEILINGS, ROOFS, WALLS, FOUNDATIONS AND SLABS, BASEMENT WALLS, CRAWL SPACE WALLS AND FLOORS AND DUCTS OUTSIDE CONDITIONED SPACES.
 - U-FACTORS AND SOLAR HEAT GAIN COEFFICIENTS (SHGC) OF PENETRATIONS.
 - RESULTS FROM ANY BUILDING ENVELOPE AIR LEAKAGE TESTING PERFORMED ON THE BUILDING, WHERE THERE IS MORE THAN ONE VALUE FOR ANY COMPONENT OF THE BUILDING ENVELOPE, THE CERTIFICATE SHALL INDICATE THE AREA-WEIGHTED AVERAGE IS NOT AVAILABLE. IF THE AREA-WEIGHTED AVERAGE VALUE WHERE AVAILABLE, IF THE AREA-WEIGHTED AVERAGE IS NOT AVAILABLE, THE CERTIFICATE SHALL LIST EACH VALUE THAT APPLIES TO 10 PERCENT OR MORE OF THE TOTAL COMPONENT AREA.

ISSUES AND REVISIONS:

NO.	DATE	DESCRIPTION
1	03/01/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	07/02/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:

THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.

BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS DEVELOPMENT
 1756 NORTH AURORA ROAD
 NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE

ONE TRANS AM PLAZA DRIVE SUITE #120
 OAKBROOK TERRACE IL 60181
 PHONE: 708-516-7251

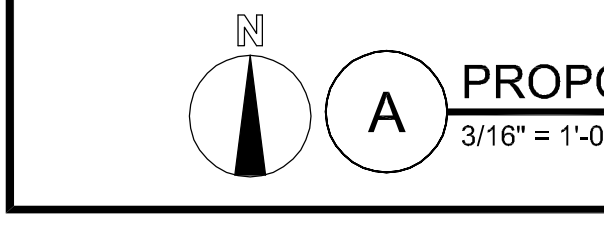
DRAFTSPERSON: BG
 APPROVED: BG

PREPARED FOR: ASPHALT PAVING PROFESSIONALS

LOCATION: NAPERVILLE, IL

DATE: 10/24/2024

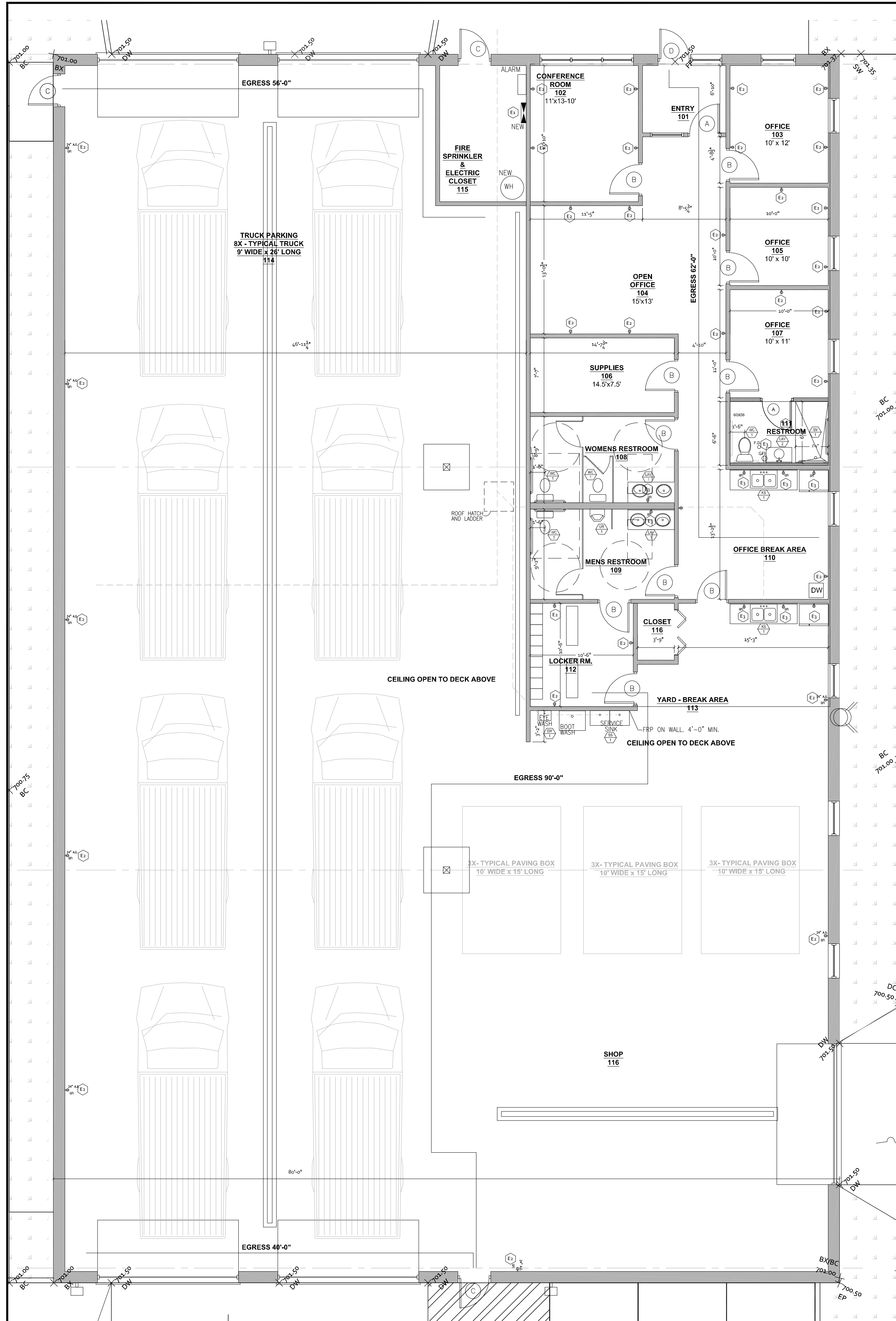
SHEET NUMBER: A-2.0



PROPOSED NEW FLOOR PLAN
 3/16" = 1'-0"

© BR Design & Architecture 2024

Copyright 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.



ELECTRICAL NOTES:

- E1. PROVIDE NEW 200 AMP ELECTRIC SERVICE. PROVIDE NEW CIRCUITS AS REQUIRED FOR NEW OUTLETS. ELECTRICIAN TO PROVIDE REVISED PANEL DIAGRAM AND MOUNT-IN PANEL.
- E2. PROVIDE NEW DUPLEX ELECTRICAL OUTLETS AS SHOWN. MAXIMUM 4 OUTLETS PER CIRCUIT.
- E3. PROVIDE NEW GFI OUTLETS AT RESTROOMS AND BREAK AREAS AS SHOWN.

LEGEND

- EXIT SIGN/EM COMBO UNIT WITH 90 MIN. BATTERY BACK-UP. MAX SWATTS PER SIDE. RED LETTERS TYPICAL.
- EXIT SIGN WITH 90 MIN. BATTERY BACK-UP. MAX SWATTS PER SIDE. RED LETTERS TYPICAL.
- LED DUAL HEAD EMERGENCY LIGHTING W/ 90 MIN BATTERY BACK-UP.
- FIRE EXTINGUISHER - FINAL LOCATION DETERMINED IN FIELD WITH FIRE MARSHAL.
- DUPLEX OUTLET - DIMENSION INDICATES HEIGHT FROM FLOOR - GFI INDICATES GROUND FAULT INTERRUPTER CIRCUIT.
- 110V QUAD OUTLET.
- DATA/PHONE OUTLET. PROVIDE 3/4" CONDUIT STUB UP ABOVE CEILING - LOW VOLTAGE INSTALL BY OTHERS.
- SWITCH - "3" INDICATES 3 - WAY - OCC - INDICATES OCCUPANCY SENSOR.
- 2'x2' LAY-IN LED LIGHT FIXTURE ECONOLIGHT E-TFA03A-22R35N 2X2 TROUFFER 30W LED-STYLE.
- 2'x2' LAY-IN LED NITE LIGHT FIXTURE ECONOLIGHT E-TFA03A-22R35N 2X2 TROUFFER 30W LED-STYLE.
- NEW OCC LIGHTING FIXTURES- PLACE AS SHOWN. GKOLED LED 180W GKOMLHG SERIES OR APPROVED EQUAL.
- 10.5 WATT LED RECESSED CAN LIGHTING - CREE LR6 SERIES 10L27K.

GENERAL NOTE:

1. IF APPLICABLE, ELECTRICAL BOXES ON OPPOSITE SIDES OF THE 1-HR DEMISING WALLS SHALL BE HORIZONTALLY SEPARATED BY NO LESS THAN 24" OR PROTECTED WITH TUMESCENT PUTTY PADS.
2. THE BRANCH CIRCUIT FEEDING THE EMERGENCY LIGHTS SHALL BE THE SAME BRANCH CIRCUIT AS THAT FEEDING THE NORMAL LIGHTS IN THE AREA.
3. ALL LOW-VOLTAGE WIRING SHALL BE INSTALLED TO COMPLY WITH LOCAL ELECTRICAL CODE REQUIREMENTS.
4. ALL SWITCHES AND OUTLETS TO BE NO HIGHER THAN 48" AFF AND NOT LESS THAN 15" AFF.

PROPOSED NEW ELECTRICAL PLAN
3/16" = 1'-0"

© BR Design & Architecture 2024
Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

ISSUES AND REVISIONS:

NO.	BY:	DATE	DESCRIPTION
2	BRD	01/26/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

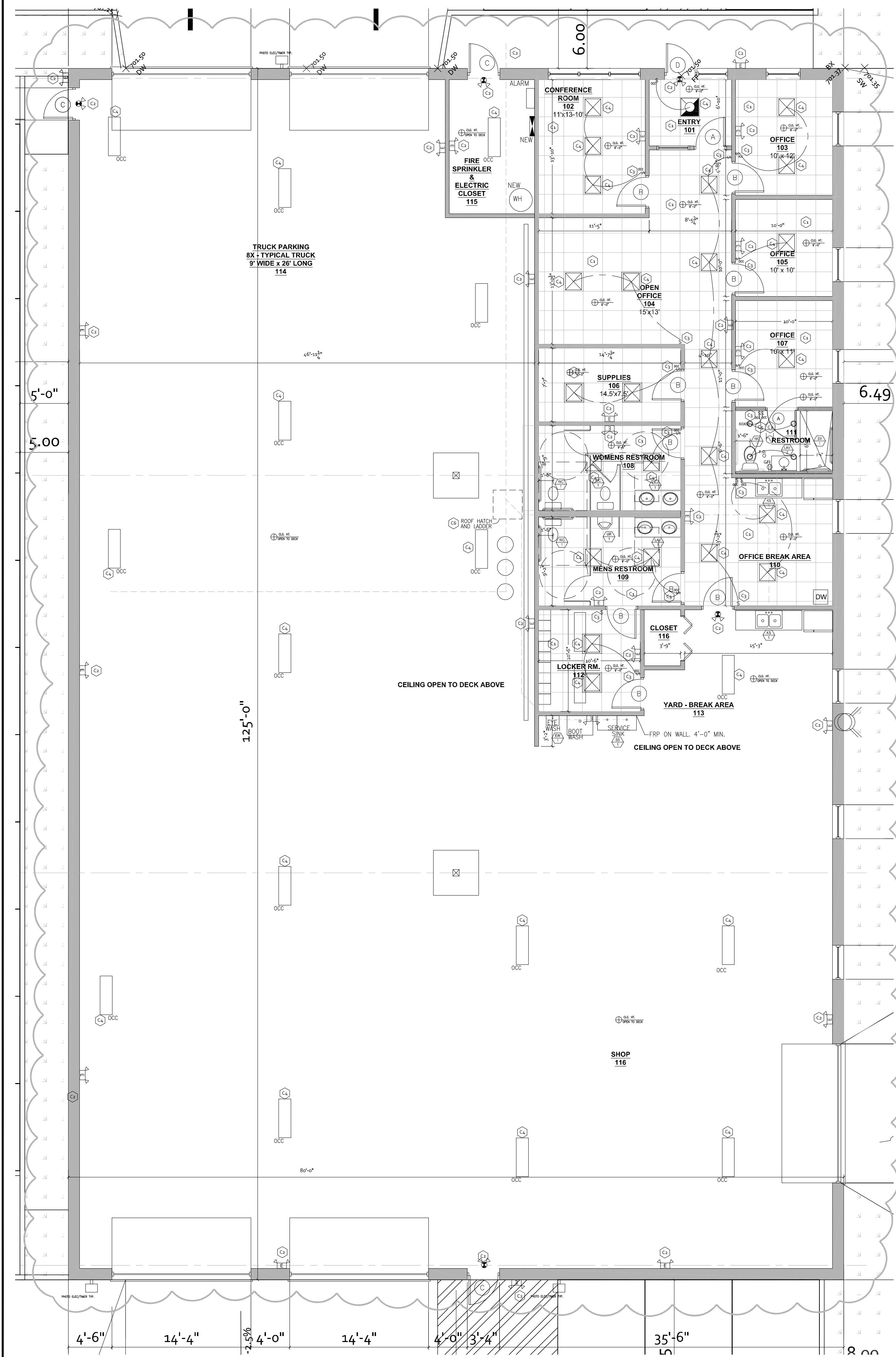
NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE: 708-515-7251

DRAFTSPERSON: BG
APPROVED: BG
PREPARED FOR: ASPHALT PAVING PROFESSIONALS
LOCATION: NAPERVILLE, IL
DATE: 10/24/2024

SHEET NUMBER:
A-3.0



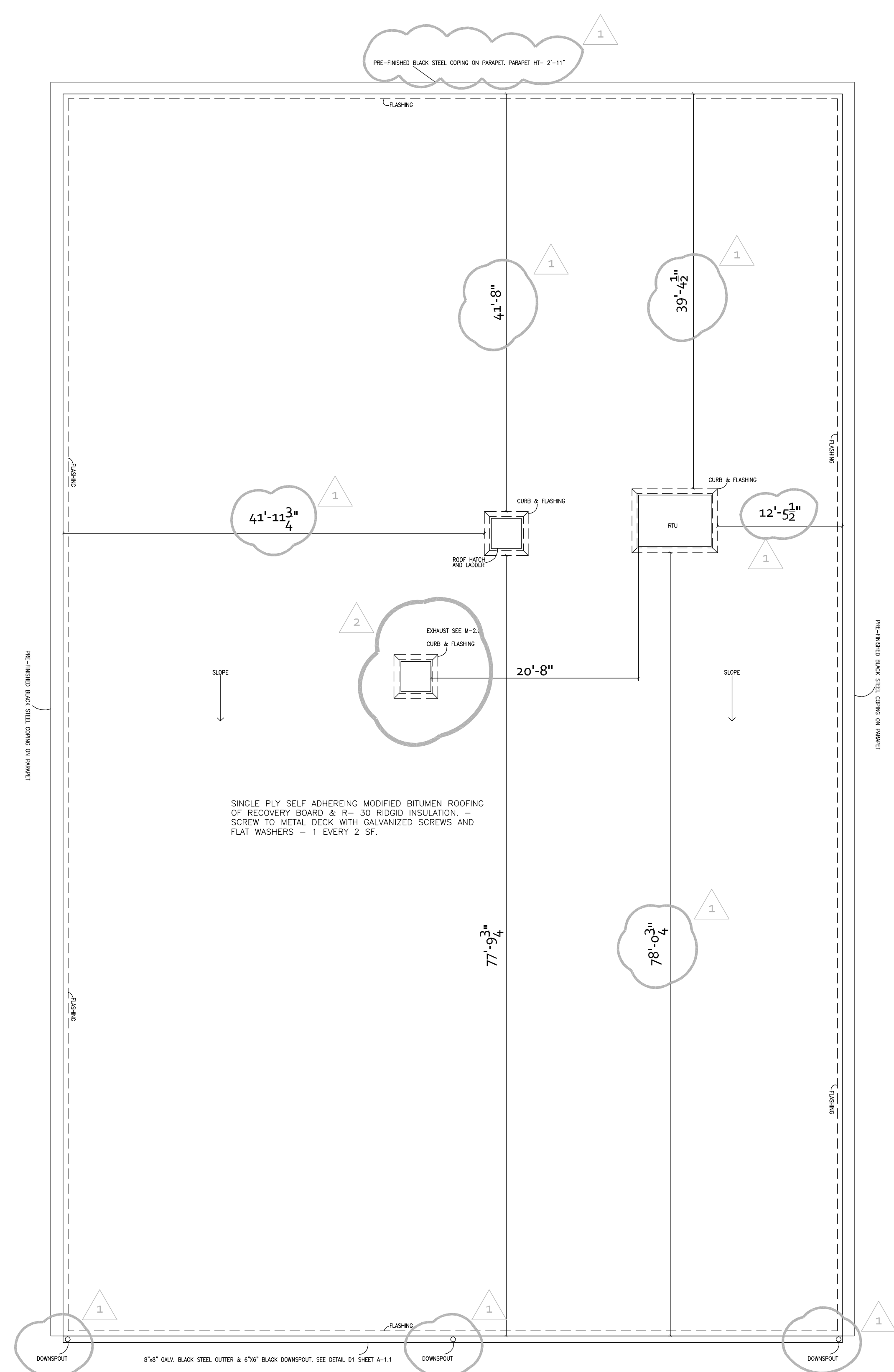
CEILING PLAN NOTES:
 C1. PROVIDE NEW 2'-0" X 2'-0" CEILING GRID AND TILE AS SHOWN.
 C2. PROVIDE GYP. BRD. CEILING AT PRIVATE RESTROOM.
 C3. PROVIDE NEW BATTERY LED BACK-UP AND EMERGENCY L.E.D. LIGHTING AS SHOWN. PROVIDE EXTERIOR RATED AS REQUIRED.
 C4. PROVIDE NEW SWITCHING ON NEW WALLS AS SHOWN. PROVIDE NEW OCCUPANCY SENSOR SWITCHING TO LIGHTS.
 C5. PROVIDE AND INSTALL NEW L.E.D. LIGHT FIXTURES AS SHOWN. SEE LEGEND THIS SHEET FOR DETAILS AND SPECIFICATIONS.
 C6. PROVIDE RECESSED CAN LIGHTING AT PRIVATE RESTROOM AS SHOWN.
 C7. PROVIDE NEW ROOF HATCH AND LADDER.

- LEGEND**
- EXIT SIGN/EM COMBO UNIT WITH 90 MIN. BATTERY BACK-UP. MAX SWATTS PER SIDE. RED LETTERS TYPICAL
 - EXIT SIGN WITH 90 MIN. BATTERY BACK-UP. MAX SWATTS PER SIDE. RED LETTERS TYPICAL
 - LED DUAL HEAD EMERGENCY LIGHTING W/ 90 MIN BATTERY BACK-UP
 - FIRE EXTINGUISHER - FINAL LOCATION DETERMINED IN FIELD WITH FIRE MARSHAL
 - DUPLEX OUTLET - DIMENSION INDICATES HEIGHT FROM FLOOR - GFI INDICATES GROUND FAULT INTERRUPTER CIRCUIT
 - 110V QUAD OUTLET
 - DATA/PHONE OUTLET PROVIDE 3/4" CONDUIT STUB UP ABOVE CEILING - LOW VOLTAGE INSTALL BY OTHERS.
 - SWITCH - "3" INDICATES 3 - WAY - OCC - INDICATES OCCUPANCY SENSOR
 - 2'x2' LAY-IN LED LIGHT FIXTURE ECONOLIGHT E-TFA03A-22R35N 2X2 TROUFFER 30W LED-STYLE
 - 2'x2' LAY-IN LED NITE LIGHT FIXTURE ECONOLIGHT E-TFA03A-22R35N 2X2 TROUFFER 30W LED-STYLE
 - NEW OCC LIGHTING FIXTURES - PLACE AS SHOWN
 - GKOLED LED 180W GKOMLHG SERIES OR APPROVED EQUAL
 - 10.5 WATT LED RECESSED CAN LIGHTING - CREE LR6 SERIES 10L27K

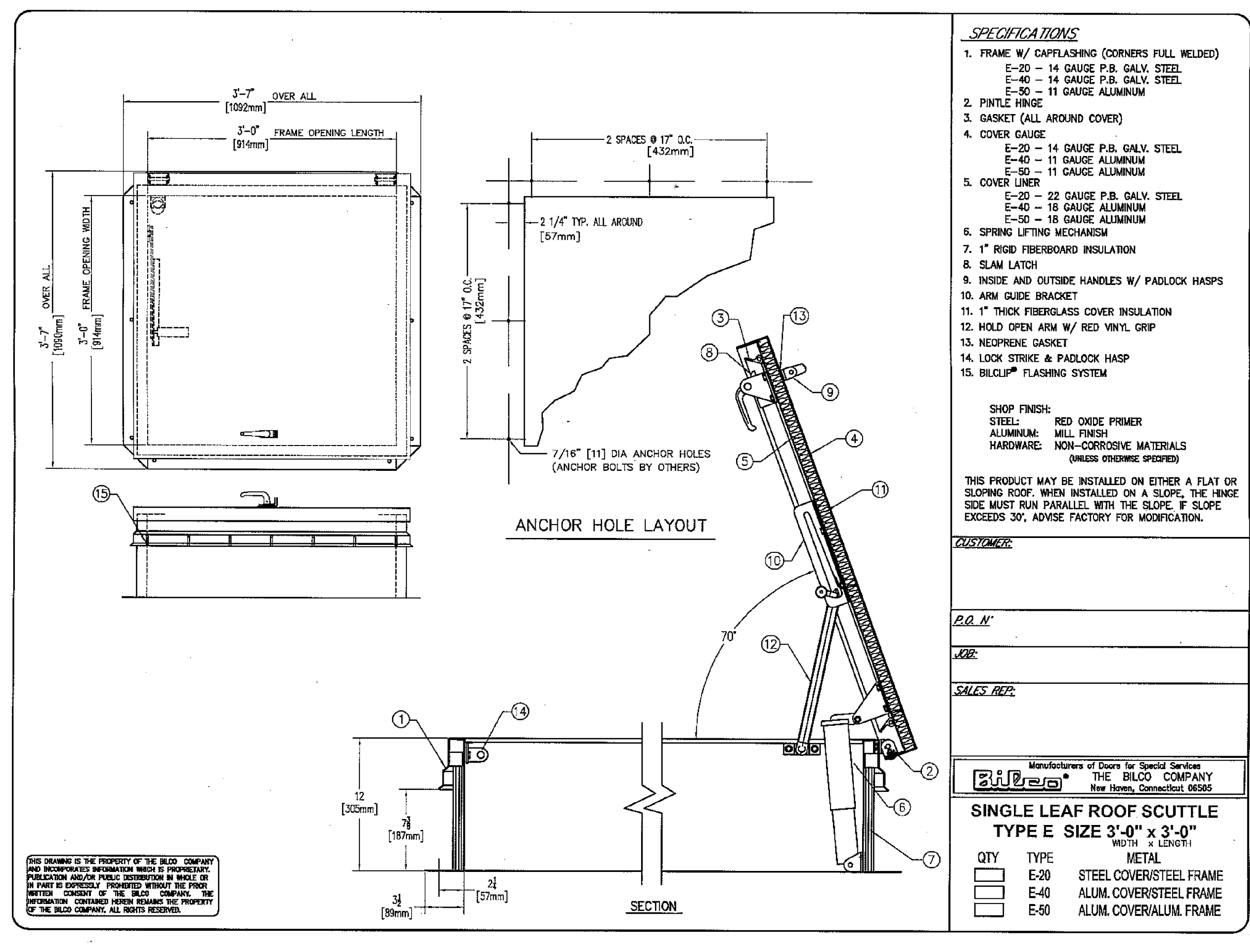
GENERAL NOTES:
 1. SPACE DOES NOT REQUIRE SKYLIGHTS PER 2021 IECC C402.4.2.
 TOTAL LIGHT AREA: 8,000
 LIGHTING POWER DENSITY (2,800 / 8,000 = 0.35 W/FT²)
 LIGHTING POWER DENSITY LESS THAN 0.5 W/FT²
 2. SUSPENDED CEILING SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C625 & C626. 2021 IBC 808.1.1.1.
 3. 2.2.2.4 FOR NEW CONSTRUCTION OR PROJECTS INCLUDING SUBSTANTIAL EXTERIOR RENOVATIONS, AS DETERMINED BY THE ZONING ADMINISTRATION, EQUIPMENT SCREENING IN THE FORM OF PARAPET WALLS SHALL BE INSTALLED SUCH THAT ALL ROOFTOP EQUIPMENT IS COMPLETELY ENCLOSED ON ALL SIDES FOR THE FULL HEIGHT OF THE ROOFTOP EQUIPMENT PLUS ANY SUPPORT CURB WORK.

GUTTER & DOWNSPOUT GENERAL NOTES:
 1. PER 2021 IBC 1611.1 DESIGN RAIN LOADS: EACH PORTION OF ROOF SHALL BE DESIGNED TO SUSTAIN THE LOAD OF RAINWATER THAT WILL ACCUMULATE ON IT IF THE PRIMARY DRAINAGE SYSTEM FOR THAT PORTION IS BLOCKED PLUS THE UNIFORM LOAD CAUSED BY WATER THAT RISES ABOVE THE INLET OF THE SECONDARY DRAINAGE SYSTEM AT ITS DESIGN FLOW. THE DESIGN RAINFALL SHALL BE BASED ON THE 100-YEAR HOURLY RAINFALL RATE INDICATED IN FIGURE 1611.1 OR ON OTHER RAINFALL RATES DETERMINED FROM APPROVED LOCAL WEATHER DATA.
 2. PER 2021 IBC 1106.3 GENERAL: THE SIZE OF THE VERTICAL CONDUCTORS AND LEADERS, BUILDING STORM DRAINS, BUILDING STORM SEWERS AND ANY HORIZONTAL BRANCHES OF SUCH DRAINS OR SEWERS SHALL BE BASED ON A 100-YEAR HOURLY RAINFALL RATE INDICATED IN FIGURE 1106.3 OR ON OTHER RAINFALL RATES DETERMINED FROM AN APPROVED LOCAL WEATHER DATA.
 3. PER 2021 IBC 1106.6 SIZE OF ROOF GUTTERS: HORIZONTAL GUTTERS SHALL BE SIZED BASED ON THE FLOW RATE FROM THE ROOF SURFACE. THE FLOW RATE FROM HORIZONTAL GUTTERS SHALL NOT EXCEED THAT SPECIFIED IN TABLE 1106.6.

TOTAL CALC FLOW RATE: 679.72 GPM
 AN 8 X 8 GUTTER AT 1/4" INCH PER FOOT SLOPE HAS A CAPACITY OF 1492 GPM



B PROPOSED NEW ROOF PLAN
 1/8" = 1'-0"



A PROPOSED NEW CEILING PLAN
 3/16" = 1'-0"

NO.	DATE	DESCRIPTION
1	03/20/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	07/26/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

ISSUES AND REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:
1	BR	03/20/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BR	07/26/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
 THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECTS ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
 © BR Design & Architecture 2024

ALTORFER RENTS
ADAPTIVE REUSE -
LOT DEVELOPMENT
800 ENTERPRISE COURT
NAPERVILLE, ILLINOIS

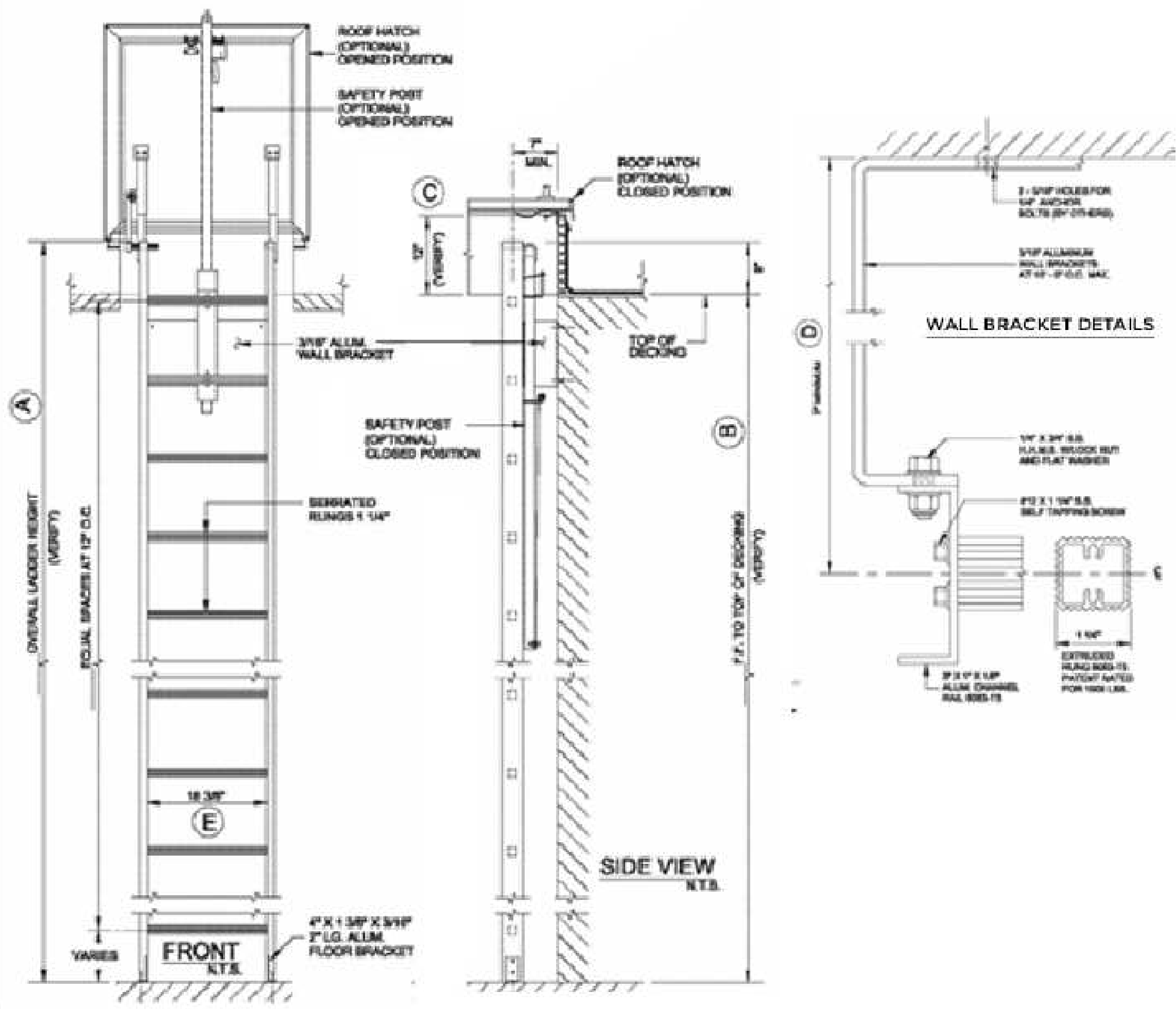
BR DESIGN & ARCHITECTURE

ONE TRANS AM PLAZA DRIVE SUITE #120
 OAKBROOK TERRACE IL 60451
 PHONE: 708-526-7251

DRAFTSPERSON:
 BG
 APPROVED:
 BG
 PREPARED FOR:
 ASPHALT FINISHES PROFESSIONAL DEVELOPMENT
 DEVELOPMENT
 LOCATION:
 NAPERVILLE, IL
 JOB NUMBER:
 DATE:
 10/24/2024

© BR Design & Architecture 2024
 Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

ALUMINUM ACCESS LADDER



SPECIFICATIONS:
Rail Material: 3" x 1" x 1/8" aluminum 6063-T5 channel extrusion.
Rung Material: 1 1/4" x 1 1/4" square serrated extruded aluminum 6061-T6 screwed to rail and rated to withstand 1500 pound load.
Finish: Mill Finish.
Brackets: 3/16" aluminum, wall and floor brackets included with ladders under 12 feet. Ladders 12ft - 20ft get additional wall bracket for intermediate mounting.
Hardware: Stainless steel fasteners, nuts and washers included.

STANDARD ORDER INFORMATION

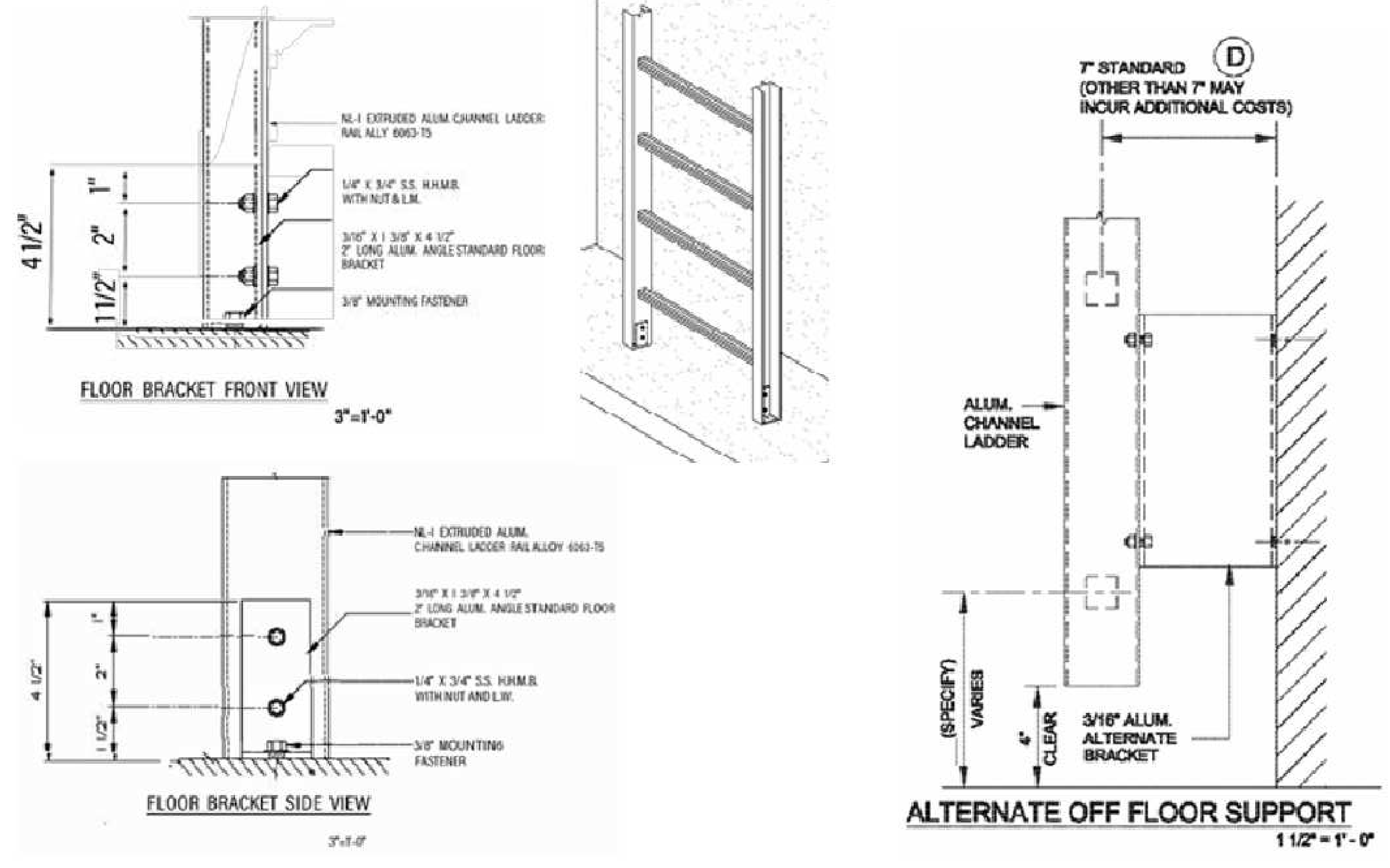
QTY	HEIGHT	MODEL
	8'	AL-08
	10'	AL-10
	12'	AL-12
	14'	AL-14
	16'	AL-16

CUSTOM ORDER INFORMATION

LETTER	DESCRIPTION
A	Overall Ladder Height (Ft-in)
B	FF to Top of Decking (Std A-8")
C	Roof Hatch Curb Height (Std 12")
D	Wall to CL of Rung (Std 7")
E	Ladder Width (Std 18 3/8")

OPTIONS:
 Powder Coat Finish: Yellow
 Clear Anodized Finish: _____
 Alternate Bottom Support Bracket (AL-ABS) _____
Approval Signature is required.

ALUMINUM ACCESS LADDER



ISSUES AND REVISIONS:

NO.	BY	DATE	DESCRIPTION
1	BRD	03/20/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BRD	01/26/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
 THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
 © BR Design & Architecture 2024

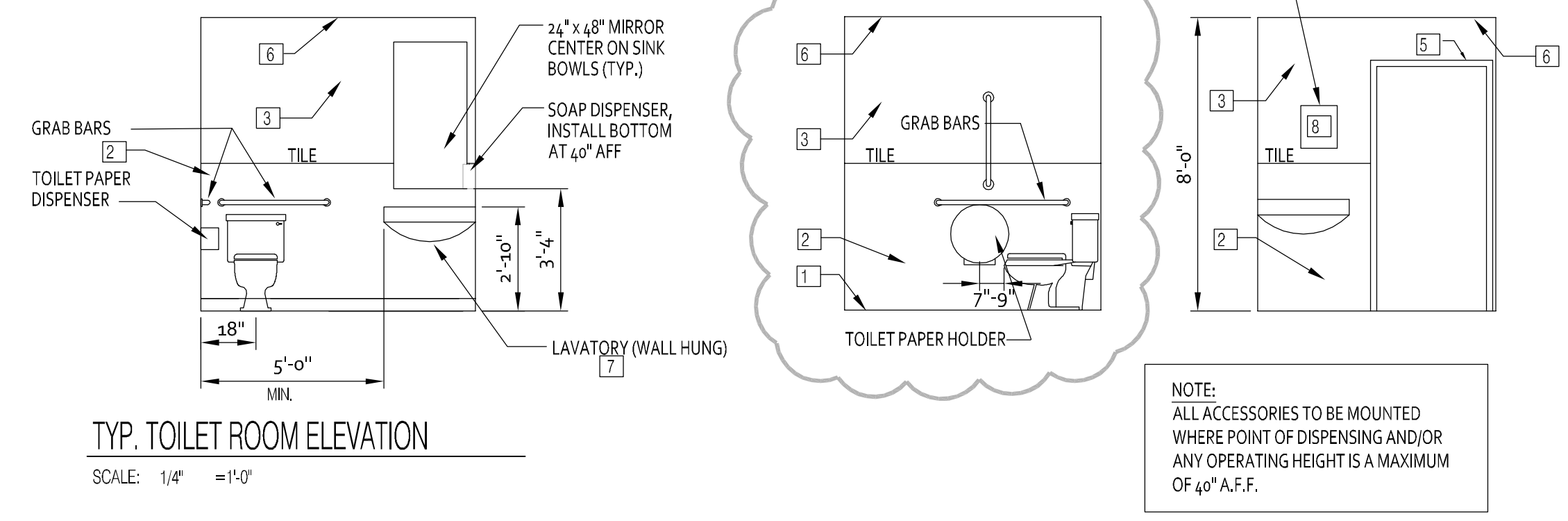
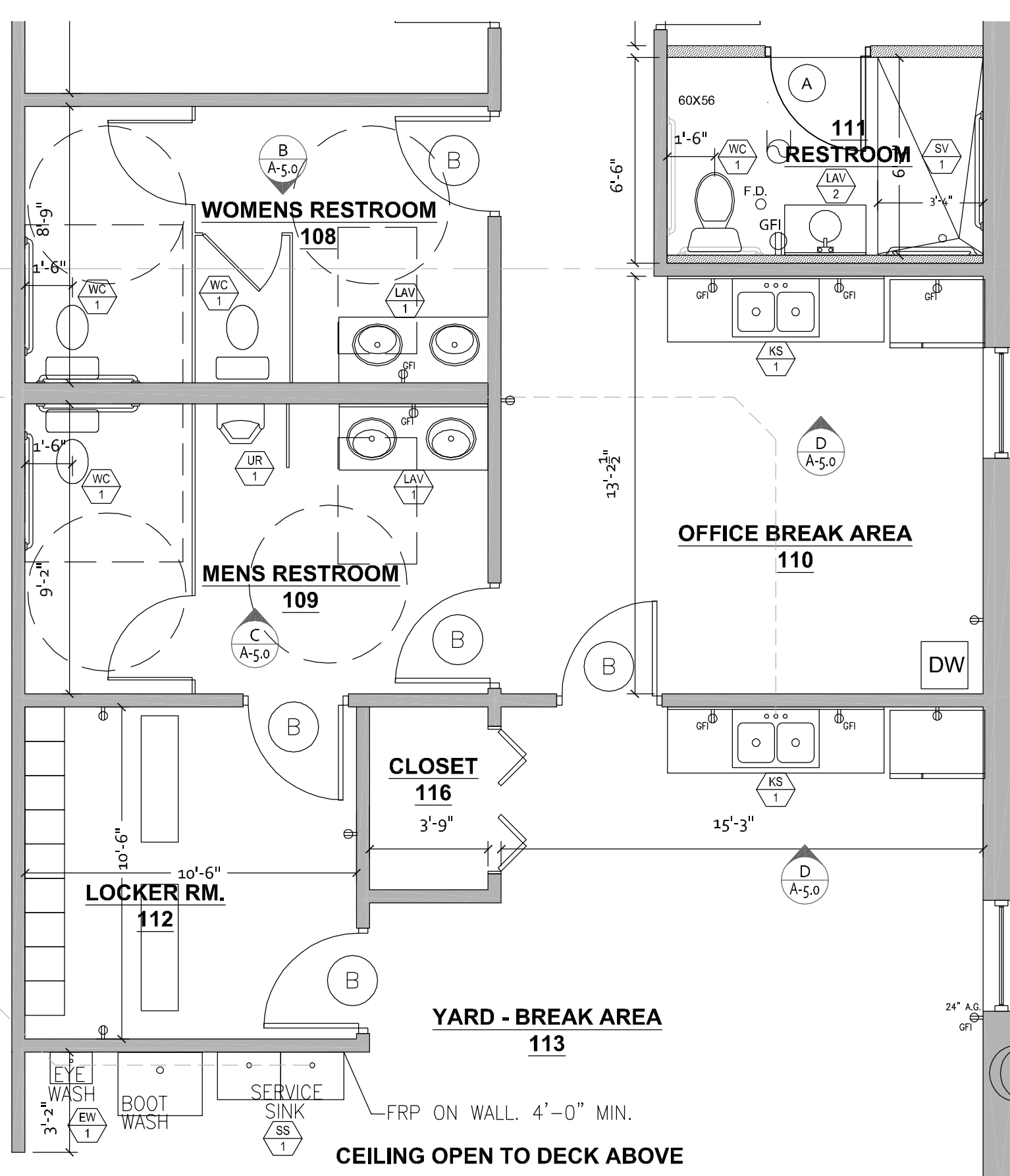
ALTORFER RENTS
 ADAPTIVE REUSE -
 LOT DEVELOPMENT
 800 ENTERPRISE COURT
 NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
 ONE TRANS AM PLAZA DRIVE SUITE #120
 OAKBROOK TERRACE IL 60181
 PHONE: 708-515-7251

DRAFTPERSON:
 BG
 APPROVED:
 BG
 PREPARED FOR:
 ASPHALT FINISHES
 DEVELOPMENT
 LOCATION:
 NAPERVILLE, IL
 JOB NUMBER:
 DATE:
 10/24/2024

© BR Design & Architecture 2024
 Copyright, 2024, BR Design & Construction. These plans are protected under copyright laws of the United States and foreign countries, and are to be used only for the construction and repair and remodeling of the structure or structures defined in the contract between the Architect and the Owner. Any use of these plans to construct, remodel or repair additional structures constitutes a violation of the Architect's copyright of these plans and is prohibited.

SHEET NUMBER:
A-4.0



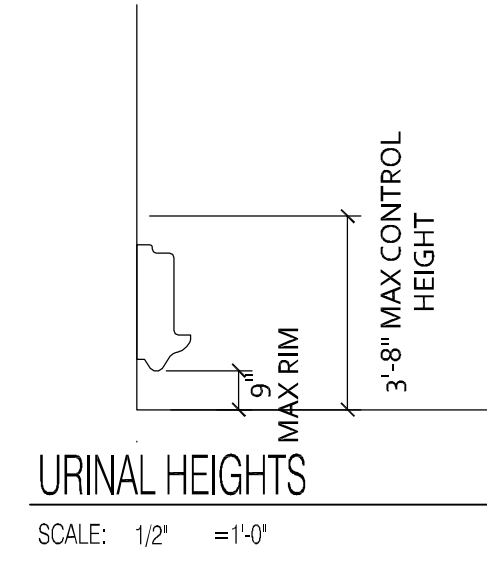
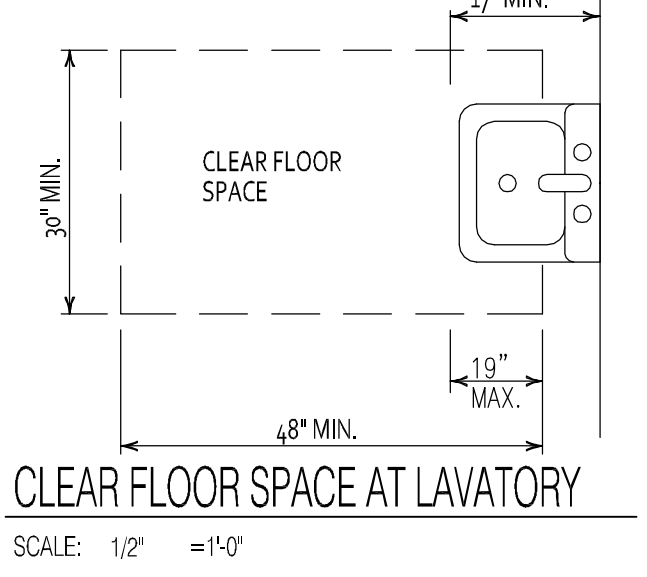
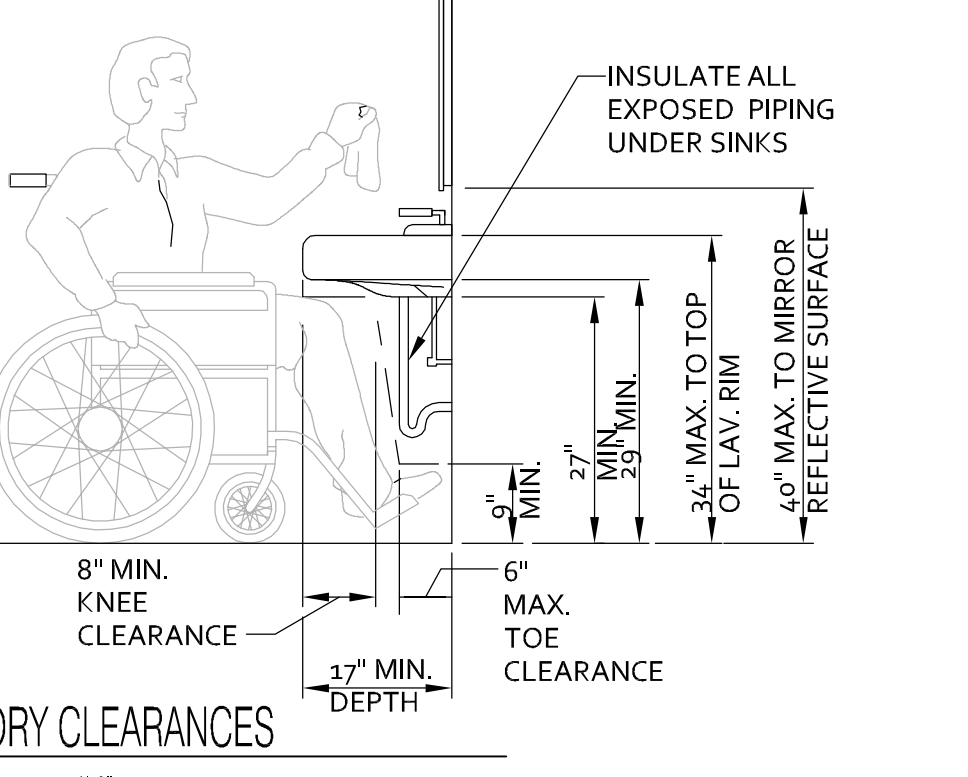
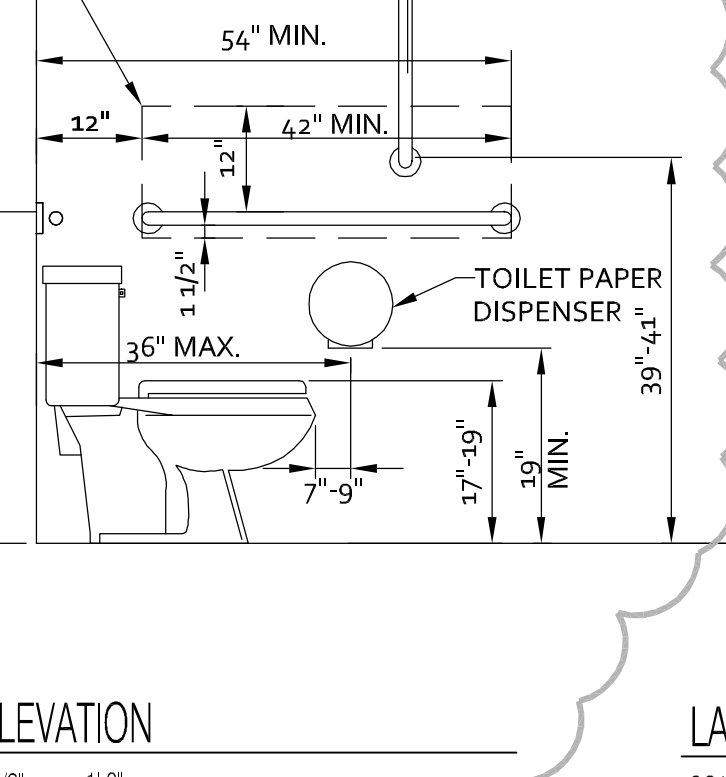
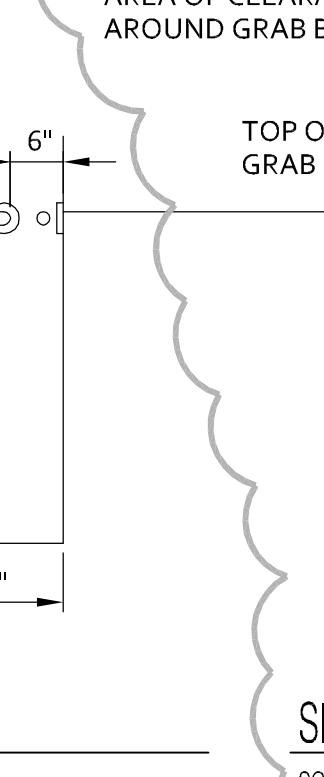
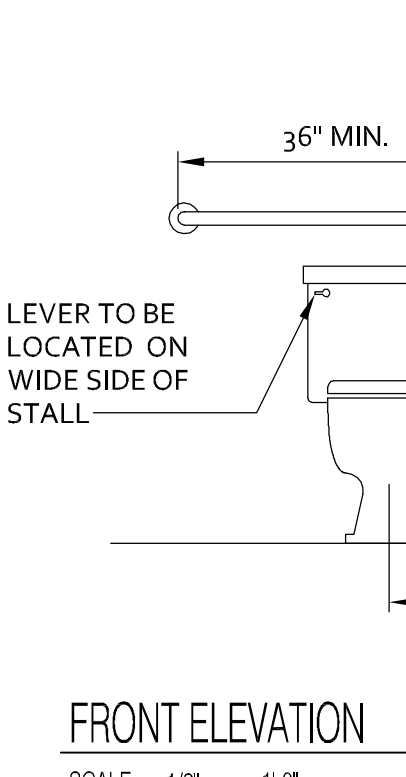
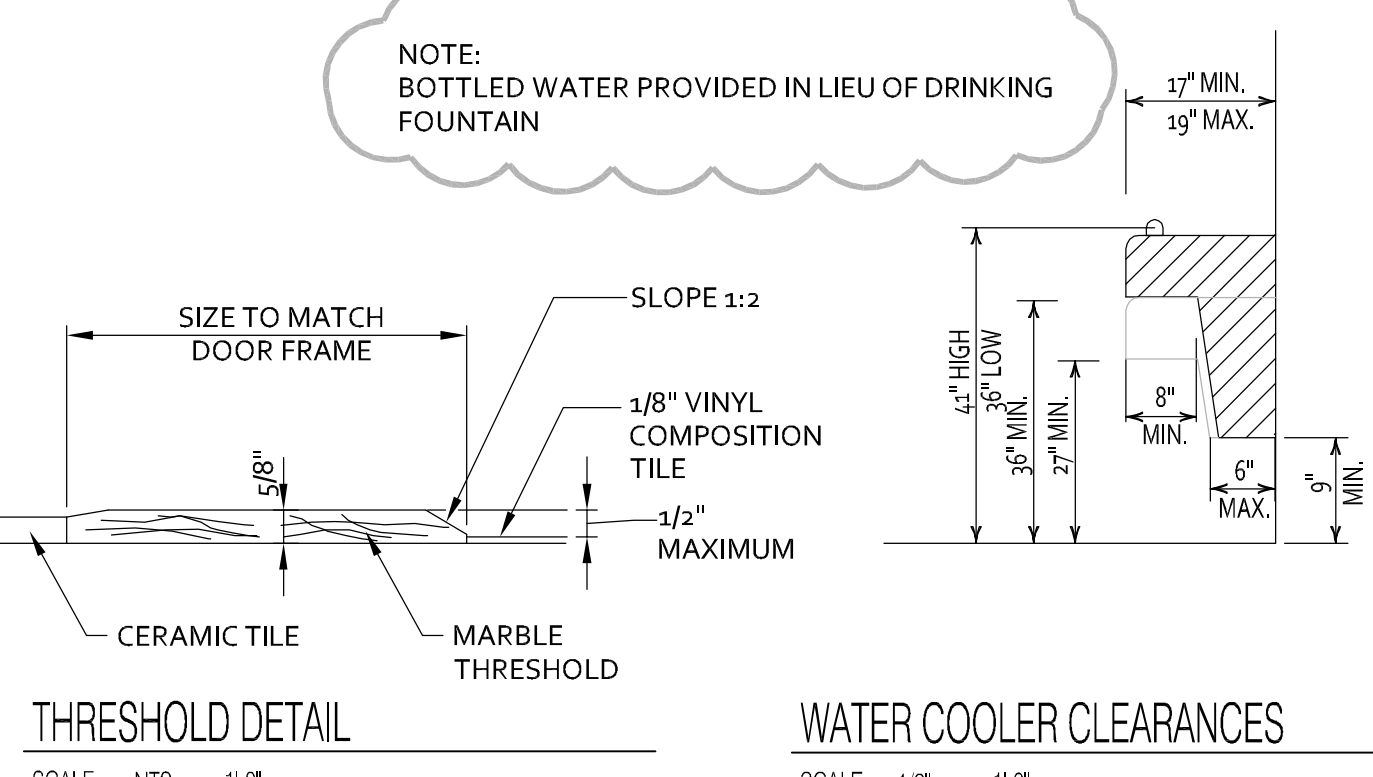
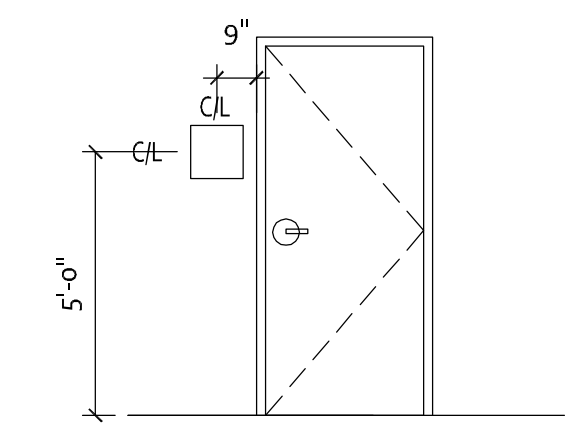
TOILET ROOM FINISH SCHEDULE

- 1x12x1/2 VCT TILE - COLOR TO BE LIGHT
- TILE PER PLAN
- GYPSUM BOARD - PAINTED COLOR TO BE DETERMINED
- H.M. DOOR AND FRAME PAINTED
- ACOUSTICAL CEILING
- LAVATORY (WALL HUNG) COLOR: WHITE
- PAPER TOWEL DISPENSER: ASI MODEL 0467

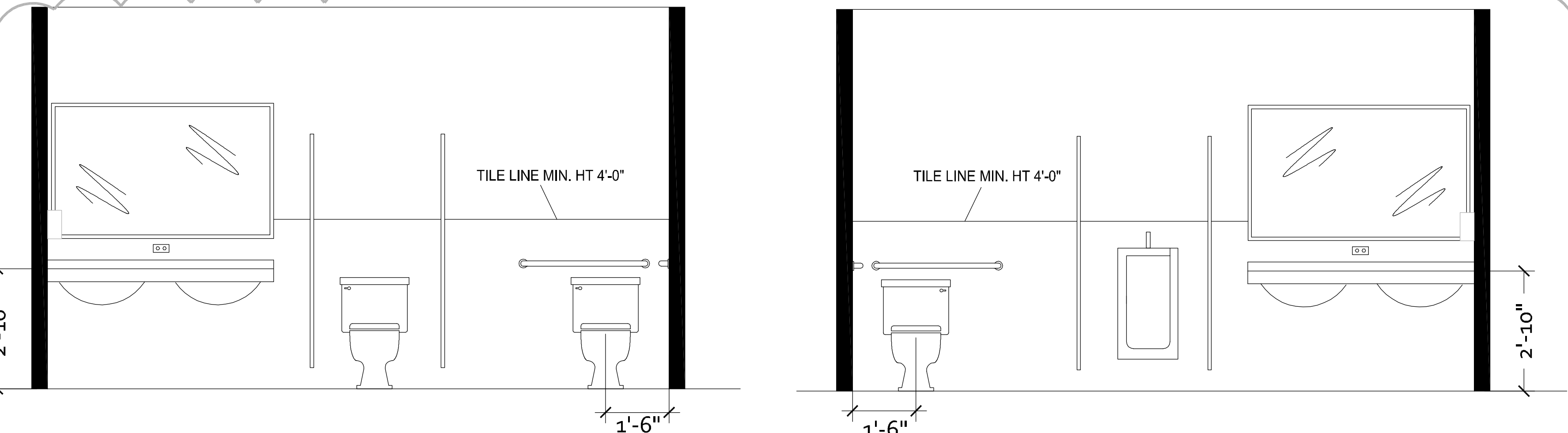
TOILET ROOM SIGNAGE

A PLACE "ADA" TOILET ROOM SIGNAGE ON WALL ADJACENT TO THE LATCH SIDE. MOUNTING HEIGHT SHALL BE 60" ABOVE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3 IN. OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

- ### BATHROOM SPECIFICATION SPECIFICATIONS
- #### MATERIALS
- MIRROR TO BE "BRADLEY OR APPROVED EQUAL TO MEET SPECIFICATIONS
 - GYPSUM BOARD IN TOILET ROOMS TO BE WATER RESISTANT.
- #### TOILET ACCESSORIES
- GRAB BARS SHALL BE 1 1/2" O.D., 18 GAUGE, TYPE 304 STAINLESS STEEL WITH A SATIN FINISH. RAIL SHALL BE DESIGNED FOR WALL TO WALL MOUNTING WITH CONCEALED ANCHORS.
- #### ACCEPTABLE MANUFACTURERS:
- AMERICA SPECIALTIES, INC., BOBRICK, MC KINNEY/PARKER AND BRADLEY CORPORATION, OR APPROVED EQUAL.
- SOAP DISPENSERS, DIAPER DISPENSER, ALUMINUM DOUBLE ROLL PAPER HOLDER FOR EACH WATER CLOSET AND TOWEL HOLDERS, ETC. TO BE SUPPLIED, AND INSTALLED BY GENERAL CONTRACTOR.
 - FOLDED TOWEL DISPENSER SUPPLIED, AND INSTALLED BY GENERAL CONTRACTOR. INSTALLED PER ADA SPECS.

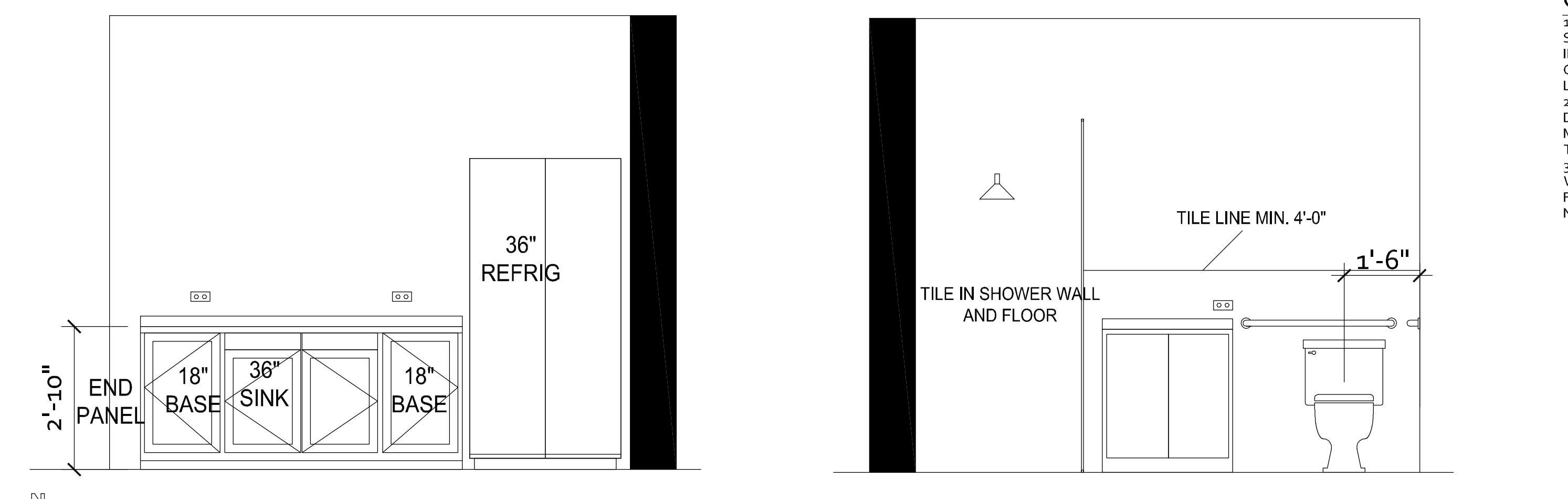


A PROPOSED NEW RESTROOMS AND SERVICE AREA
1/4" = 1'-0"



B NEW RESTROOM ELEVATION @ WOMENS
1/2" = 1'-0"

C NEW RESTROOM ELEVATION @ MENS
1/2" = 1'-0"

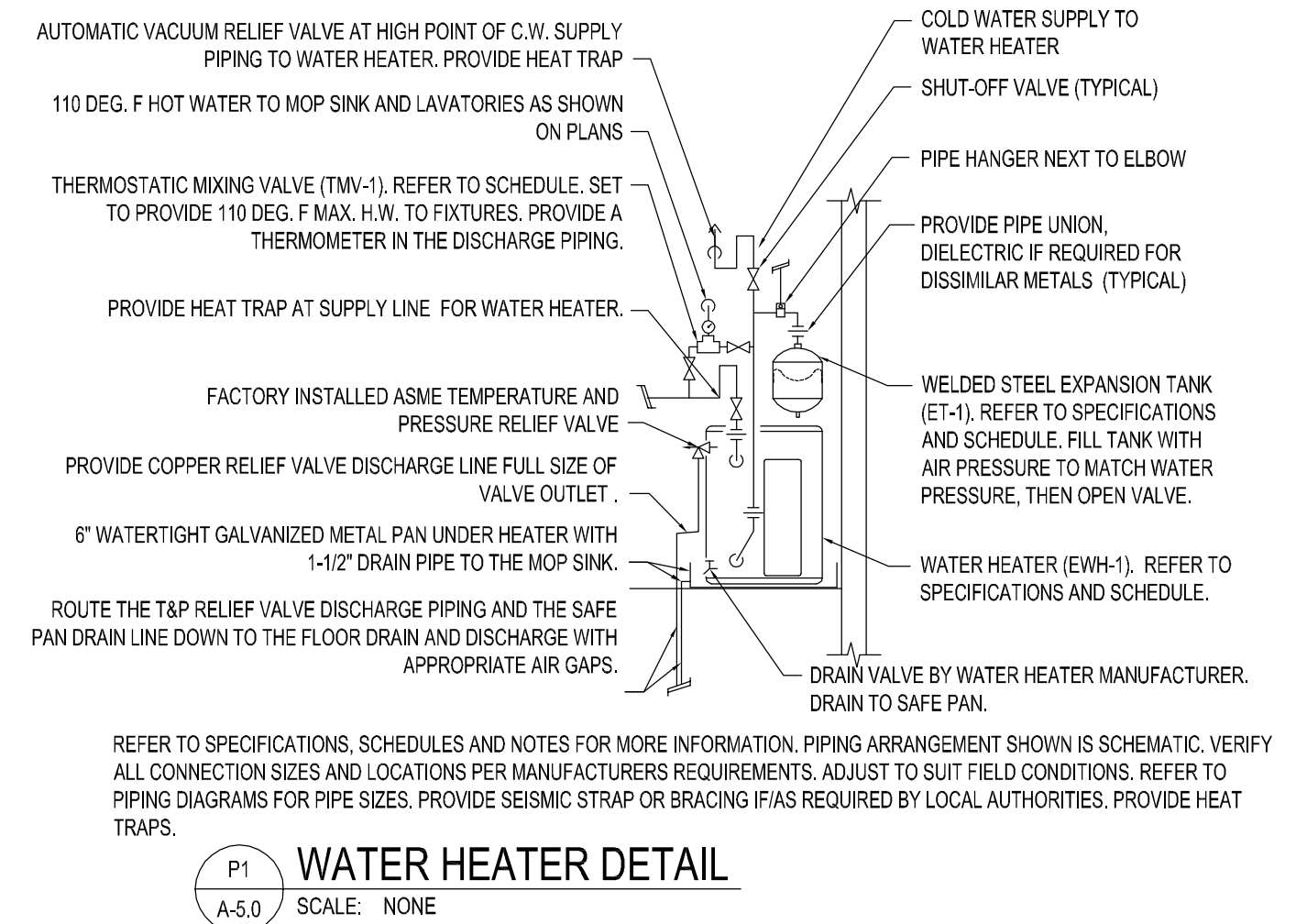


D NEW OFFICE AND YARD BREAK AREA ELEVATION
1/2" = 1'-0"

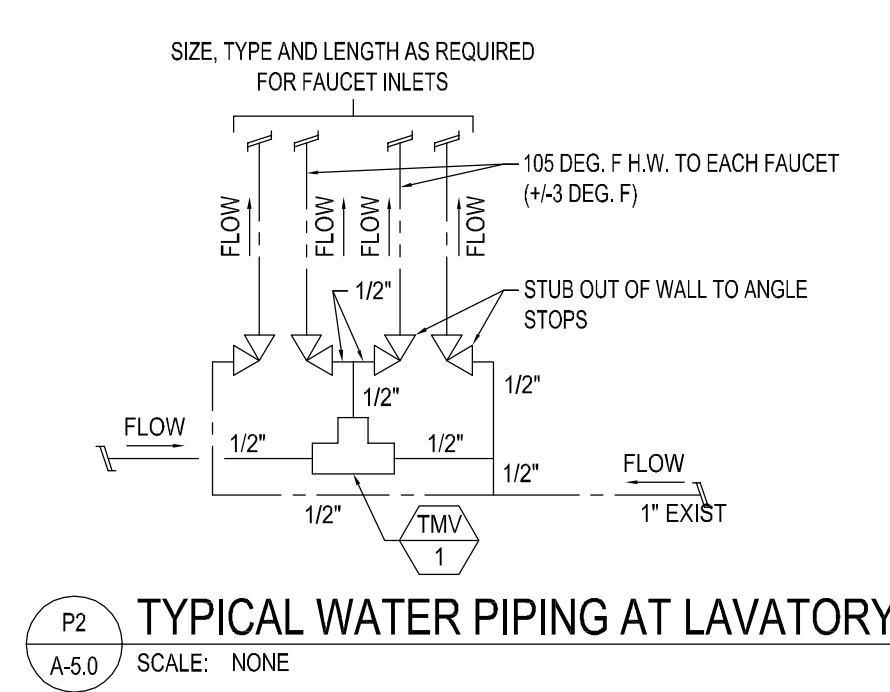
D NEW OFFICE AND YARD BREAK AREA ELEVATION
1/2" = 1'-0"

GENERAL NOTES:

- PER 2018 IAC 606.5 EXPOSED PIPES AND SURFACES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
- PER 2018 IBC 1209.2.3 FLOORS AND WALL BASES, IN OTHER THAN DWELLING UNITS, TOILETS, BATHING, SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALLS NOT LESS THAN 4 INCHES.
- PER 2018 IBC 1209.2.3 SHOWERS: SHOWER COMPARTMENTS AND WALLS ABOVE BATH TUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH, NONABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 72 INCHES ABOVE THE DRAIN INLET.



P1 WATER HEATER DETAIL
SCALE: NONE



P2 TYPICAL WATER PIPING AT LAVATORY
SCALE: NONE

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION
LAV 1	AMERICAN STANDARD - OR APPROVED EQUAL PROVIDE FRONT OVERFLOW. PROVIDE TRUEBOU LAV GUARD UNDER SINK PROTECTIVE PIPE COVERS (OR EQUAL) ON ALL PIPING UNDER LAVATORY. PROVIDE GRID DRAIN WITH OFFSET TAILPIECE TO LOCATE P-TRAP TIGHT TO WALL. ● FAUCET ASSEMBLY - MAINLINE - MODEL NO. 211-CP - (OR APPROVED EQUAL) CENTERSET, ONE PIECE BODY WITH POLISHED CHROME FINISH, AERATOR WITH 2.2 GPM FLOW RESTRICTOR, SINGLE LEVER HANDLE AND LIFT-ON/PUSH-OFF ACTION.
SS 1	AMERICAN STANDARD - OR APPROVED EQUAL - FIBERGLASS LEG MOUNTED SERVICE SINK. ● FAUCET ASSEMBLY - CHROME PLATED WITH VACUUM BREAKER, 3/4" HOSE OUTLET, INTEGRAL STOPS, GOOSENECK FAUCET W/ ADA LEVER HARDWARE
WC 1	AMERICAN STANDARD - MODEL 217-100 - CADET RIGHT HEIGHT 16-1/2" HEIGHT PRESSURE-ASSISTED EL TOILET WITH WATER SAVER 1/8 GAL FLUSH, HANDICAPPED ELONGATED BOWL, PRESSURE-ASSISTED SIPHON LET FLUSH ACTION, SPEED CONNECT TANK/BOWL COUPLING SYSTEM, VITREOUS CHINA AND 16-1/2" RIM HEIGHT. MEETS ANSI A112.9.2 AND A117.1 REQUIREMENTS. PROVIDE WITH NO. 3405.016 SUPPLY PIPE. PROVIDE TANK WITH THE TRIP LEVER ON THE PROPER SIDE TO ALLOW FLUSH ACTION FROM THE OPEN SIDE OF THE TOILET AREA. ● TOILET SEAT TO BE BENEKE MODEL NO. 527 WHITE OPEN FRONT ANTI-BACTERIAL SEAT.
WH 1	NEW A.O. SMITH OR APPROVED EQUAL - GAS WATER HEATER WITH 40 GALLON CAPACITY, GLASS-LINED TANK WITH 150 PSI WORKING PRESSURE, 3/4" ZINC PLATED COPPER SHEATH IMMERSION TYPE ELEMENT, FACTORY INSTALLED DRAIN VALVE AND FACTORY INSTALLED ANODE ROD, OPERATING AT 120V, SINGLE PHASE. PROVIDE FIELD INSTALLED WATTS MODEL 100XL TEMPERATURE / PRESSURE RELIEF VALVE PIPED TO DISCHARGE AS NOTED ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE CODES. SET WATER HEATER TEMPERATURE CONTROL AT 140 DEG. F.
ET 1	AMTROL - MODEL THERM-X-TROL ST-5-C - THERMAL EXPANSION TANK WITH FACTORY PRE-CHARGE, POLY. PROPYLENE LINER, 150 PSI MAX. WORKING PRESSURE, 200 DEG. F. MAX. TEMPERATURE RATING, 2 GAL. TANK VOLUME, 0.9 GAL. MAX. ACCEPTANCE VOLUME AND 3/4" NPTM CONNECTION. INSTALL PER MFR'S. RECOMMENDATIONS. ADJUST PRE-CHARGE TO SYSTEM FILL PRESSURE.
TMV 1	WATTS - MODEL MM-AH1 - HOT WATER TEMPERATURE CONTROL VALVE WITH BRONZE BODY CONSTRUCTION, SOLID WAX THERMOSTAT PRINCIPLE THERMOSTAT THAT CONTROLS BOTH HOT AND COLD WATER, INTEGRAL FILTER WASHERS AND CHECK VALVES, AND ADJUSTMENT CAP WITH LOCKING FEATURE. INSTALL INSIDE THE WALL WITH A 12"x12" ACCESS COVER. SET TO PROVIDE MAXIMUM 105 DEG. F. HOT WATER TO THE LAVATORY FAUCETS.
KS 1	AMERICAN STANDARD OR APPROVED EQUAL - COUNTER KITCHEN SINK ● FAUCET ASSEMBLY - CHROME PLATED WITH VACUUM BREAKER, 3/4" HOSE OUTLET, INTEGRAL STOPS, GOOSENECK FAUCET W/ ADA LEVER HARDWARE
EW 1	GLOBAL INDUSTRIAL OR APPROVED EQUAL - EMERGENCY EYE WASH STATION ● MODEL #WB70881. WALL MOUNTED EYEWASH WITH PLASTIC BOWL.
SV 1	DELTA - MULTICOICE UNIVERSAL PRESSURE BALANCE SHOWER WITH DIVERTER VALVE FOR DUAL SHOWERS

© BR Design & Architecture 2024
 Prepared for: ASPHALT PAVING PROFESSIONALS
 Location: NAPERVILLE, IL
 Date: 10/24/2024

ISSUES AND REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:
1	BRD	03/03/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BRD	07/02/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:

THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.

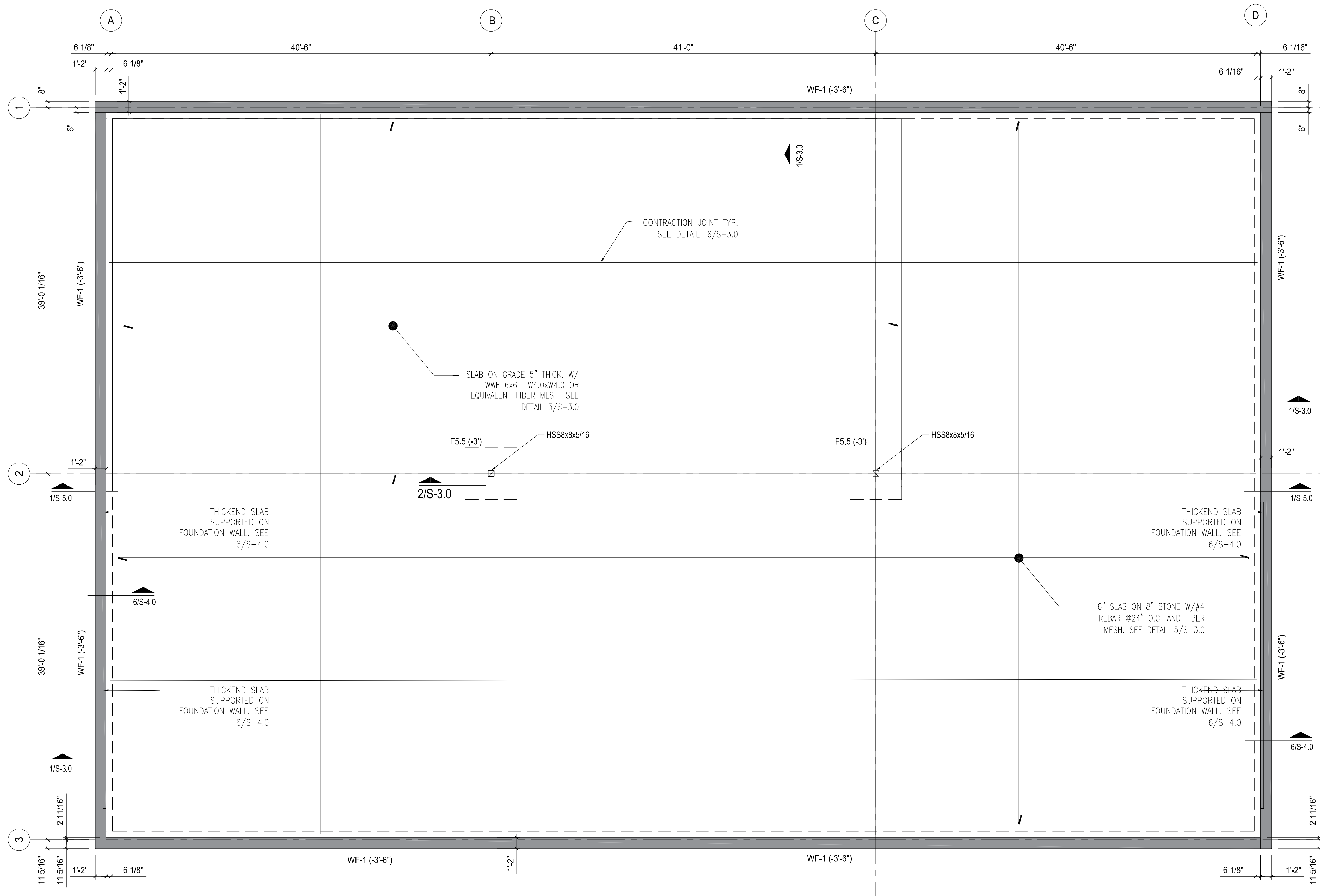
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
 DEVELOPMENT
 1750 NORTH AURORA ROAD
 NAPERVILLE, ILLINOIS



DRAFTSPERSON: BG
 APPROVED: BG
 PREPARED FOR: ASPHALT PAVING PROFESSIONALS
 LOCATION: NAPERVILLE, IL
 DATE: 10/24/2024

SHEET NUMBER: A-5.0



PLAN NOTES: -

1. SLAB ON GRADE ELEVATION IS ASSUMED AS REFERENCE LEVEL 0'-0" FOR PROJECT.
2. TOP OF STEEL ELEVATION ABOVE REFERENCE GRADE = +18'-0"
3. VARIATION IN TOP OF STEEL LEVEL ARE IDENTIFIED AS (-2.5") WITH RESPECT TO TYPICAL TOP OF STEEL ELEVATION.
4. WXXXX (#) DENOTES WIDE FLANGE STRUCTURAL STEEL BEAM WIDTH BEAMS SHALL BE LOCATED ON GRID CENTERLINES WHEN NO DIMENSIONS SHOWN.
5. JOIST SHALL BE EQUALLY SPACED BETWEEN GRIDS/BAYS WHEN NO DIMENSIONS SHOWN.
6. REFER TO SHEET S-000 FOR STRUCTURAL SYSTEM DESCRIPTION.
7. REFER TO SHEET S-001 FOR GENERAL NOTES, TYPICAL STRUCTURAL SYMBOLS AND ABBREVIATIONS.
8. REFER TO SHEET S-X.X SERIES FOR STRUCTURAL STEEL AND METAL DECK SECTIONS AND DETAILS.
9. FOR TYPICAL BEAM REACTIONS SEE S-XX UNO ON PLAN IN CIRCLE
10. ALL OPEN WEB JOIST DESIGNATIONS ARE FOR ESTIMATION AND COORDINATION PURPOSE, IT IS CONTRACTOR'S RESPONSIBILITY TO DESIGN THESE JOISTS FOR ALL IMPOSED LOADS WHICH INCLUDE HVAC RTU'S AND SNOW DRIFT LOADS. CONTRACTOR TO SUBMIT SIGNED AND SEALED (BY NEW JERSEY LICENSED ENGINEER) CALCULATIONS FOR ENGINEERS OF RECORD'S REVIEW.

BASE PLATE SCHEDULE

COLUMN MARK	BASE PLATE WXL (INCH)	BASE PLATE WELD (INCH)	ANCHOR BOLTS	REMARKS / DETAIL
HSS8x8x5/16	12x12x3/4	5/16" FILLET ALLROUND	4-1" DIA 18" LONG	10/S-3.0

NOTE: ALL BASE PLATE MATERIAL OF ASTM A572 50 KSI STEEL

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

ISSUES AND REVISIONS:

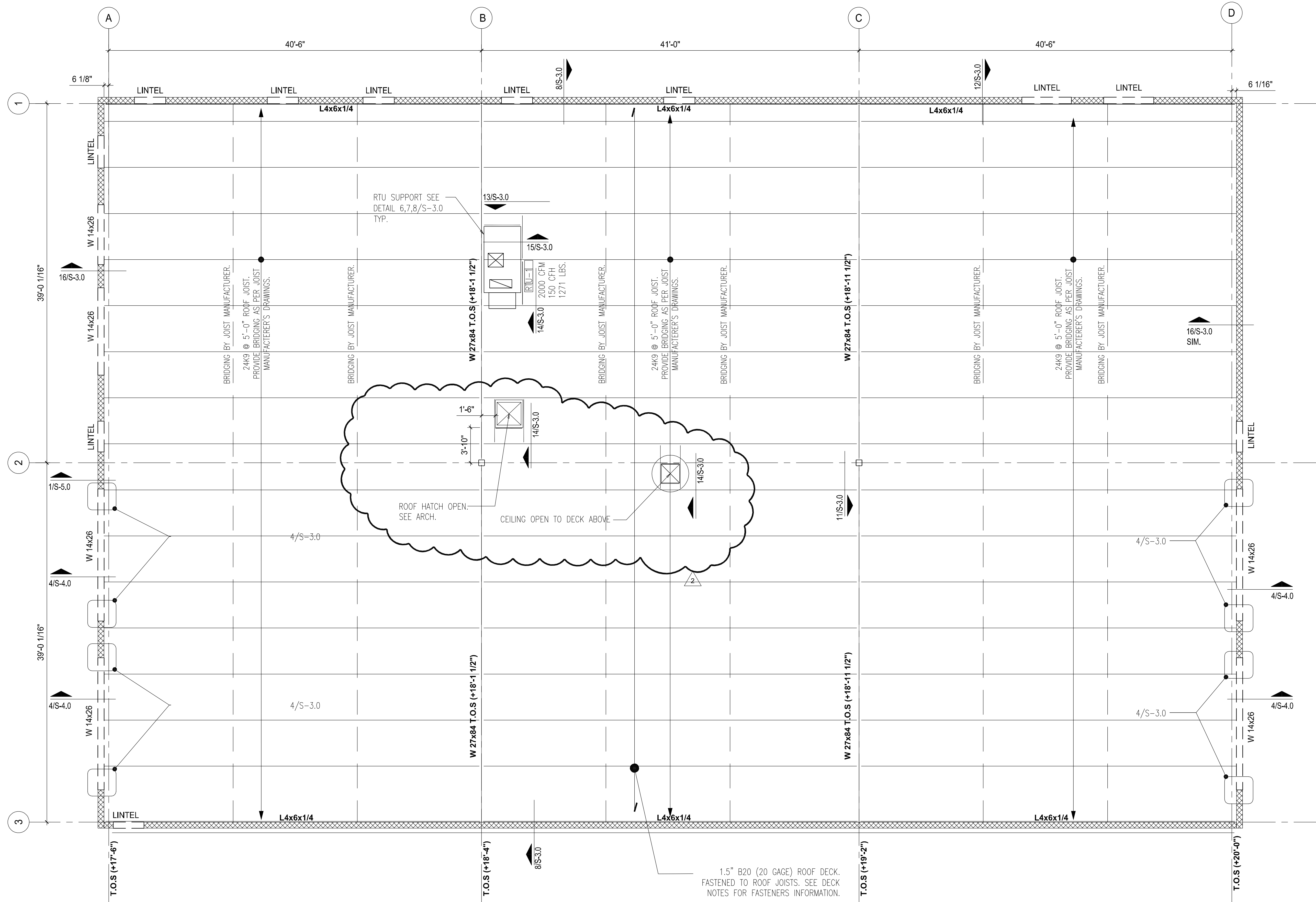
NO.	BY	DATE	DESCRIPTION
1	EBD	03/20/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	EBD	07/26/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEPARTMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE 708-508-7281

DRAFTSPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS
DEPARTMENT
LOCATION:
NAPERVILLE, ILLINOIS
JOB NUMBER:
001-021417
DATE:
10/24/2024



PLAN NOTES: -

1. SLAB ON GRADE ELEVATION IS ASSUMED AS REFERENCE LEVEL 0'-0" FOR PROJECT.
2. TOP OF STEEL ELEVATION ABOVE REFERENCE GRADE MARKED ON PLAN.
3. VARIATION IN TOP OF STEEL LEVEL ARE IDENTIFIED AS (-2.5") WITH RESPECT TO TYPICAL TOP OF STEEL ELEVATION.
4. WXXX (#) DENOTES WIDE FLANGE STRUCTURAL STEEL BEAM WIDTH BEAMS SHALL BE LOCATED ON GRID CENTERLINES WHEN NO DIMENSIONS SHOWN.
5. JOIST SHALL BE EQUALLY SPACED BETWEEN GRIDS/BAYS WHEN NO DIMENSIONS SHOWN.
6. JOIST MANUFACTURER TO PROVIDE SIGNED AND SEALED DRAWINGS STAMPED BY ILLINOISE LICENSED PROFESSIONAL ENGINEER FOR AOR'S REVIEW AND APPROVAL.
7. REFER TO SHEET S-000 FOR STRUCTURAL SYSTEM DESCRIPTION. REFER TO SHEET S-001 FOR GENERAL NOTES, TYPICAL STRUCTURAL SYMBOLS AND ABBREVIATIONS.
8. REFER TO SHEET S-X.X SERIES FOR STRUCTURAL STEEL AND METAL DECK SECTIONS AND DETAILS.
9. FOR TYPICAL BEAM REACTIONS SEE S-XX UNO ON PLAN IN CIRCLE ALL OPEN WEB JOIST DESIGNATIONS ARE FOR ESTIMATION AND COORDINATION PURPOSE, IT IS CONTRACTOR'S RESPONSIBILITY TO DESIGN THESE JOISTS FOR ALL IMPOSED LOADS WHICH INCLUDE HVAC RTU'S AND SNOW DRIFT LOADS. CONTRACTOR TO SUBMIT SIGNED AND SEALED (BY NEW JERSEY LICENSED ENGINEER) CALCULATIONS FOR ENGINEERS OF RECORD'S REVIEW.
- 10.
- 11.
- 12.

BEARING WALL LEGEND		
WALL TYPE	CONFIGURATION	PLAN LABEL
	CMU WALL	SEE DETAIL CALLOUT

1 ROOF FRAMING PLAN
3/16" = 1' - 0"

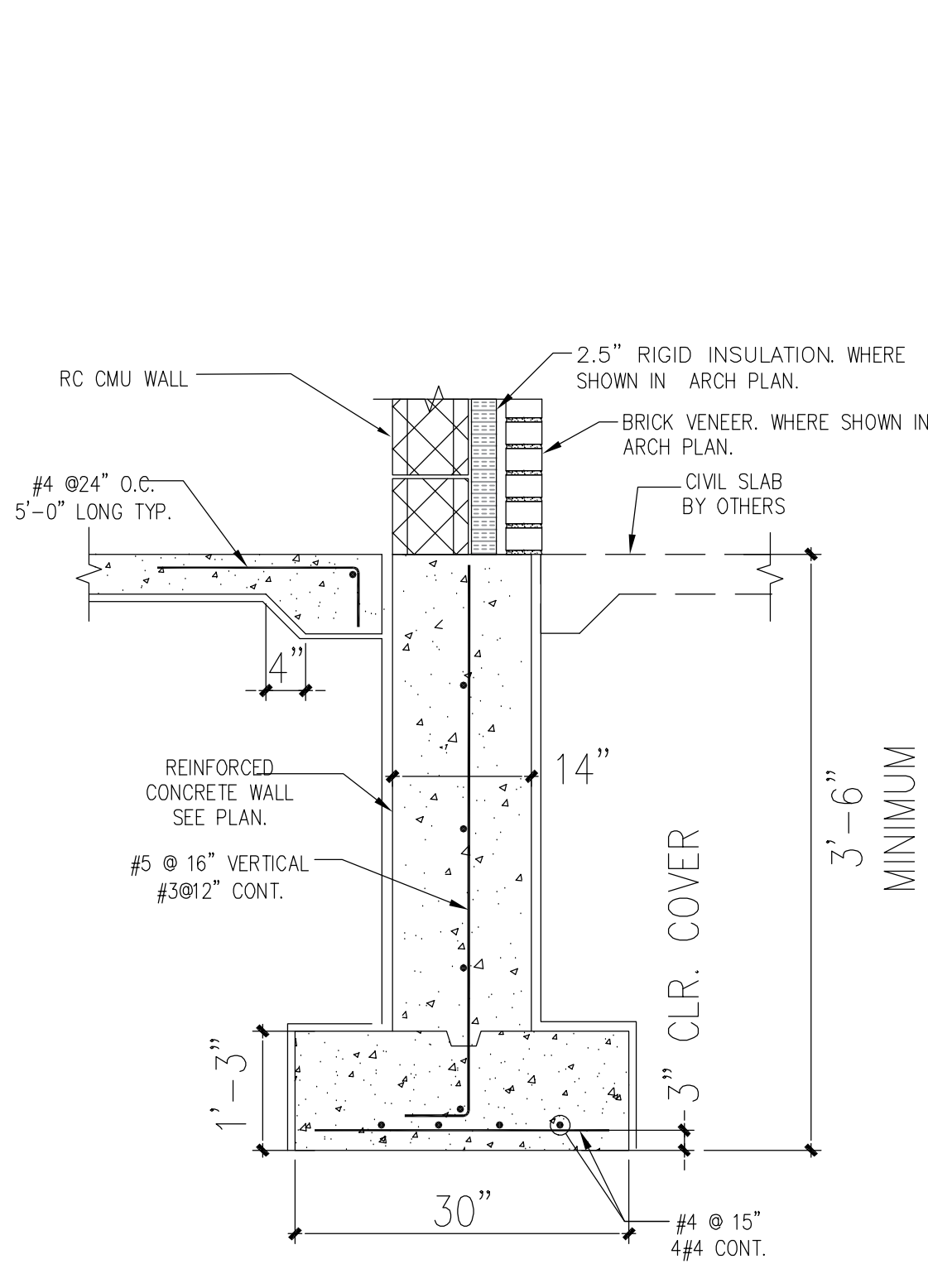
ISSUES AND REVISIONS:	
NO.	DESCRIPTION
1	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECTS ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

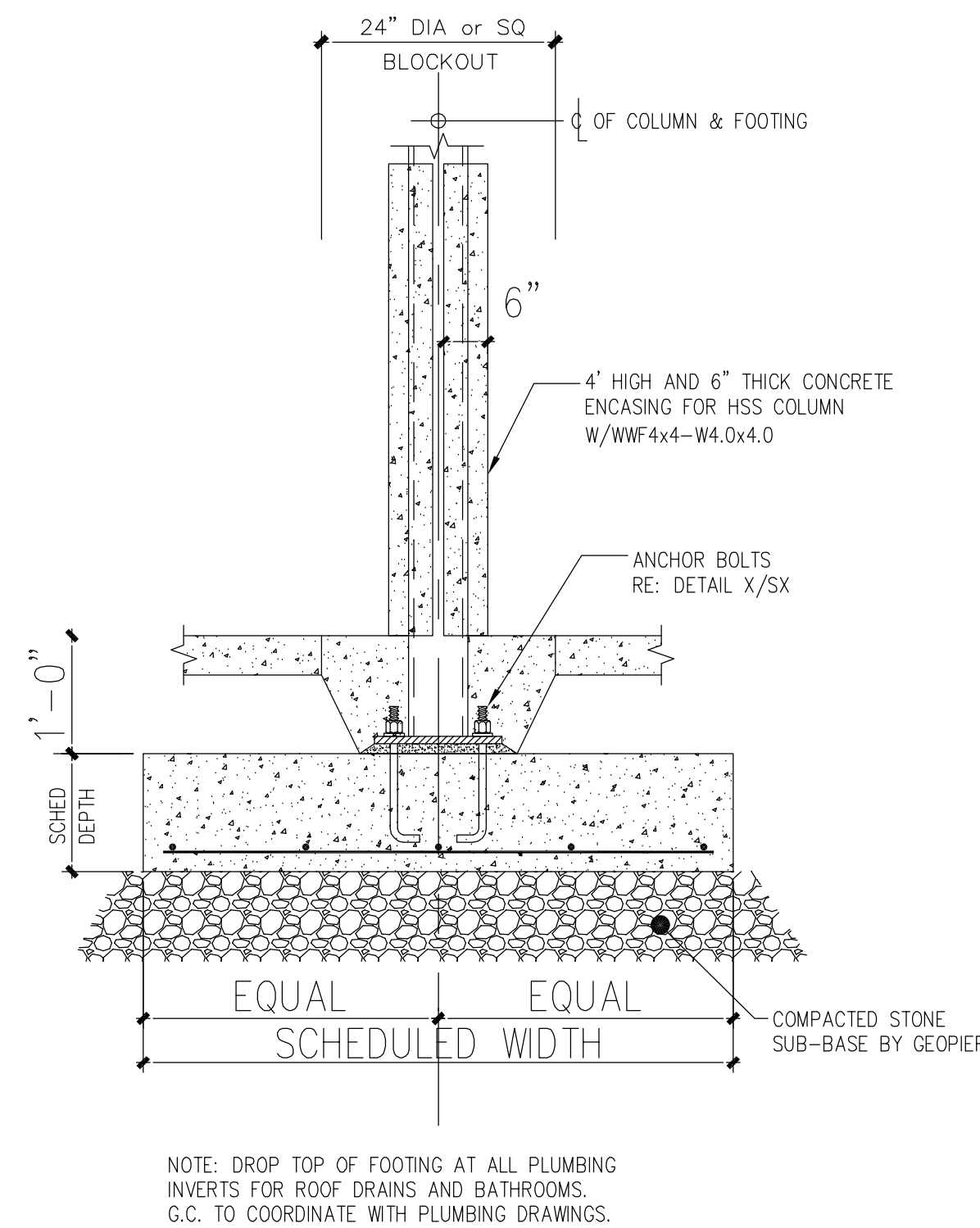
ASPHALT PAVING PROFESSIONALS DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE 708-508-7281

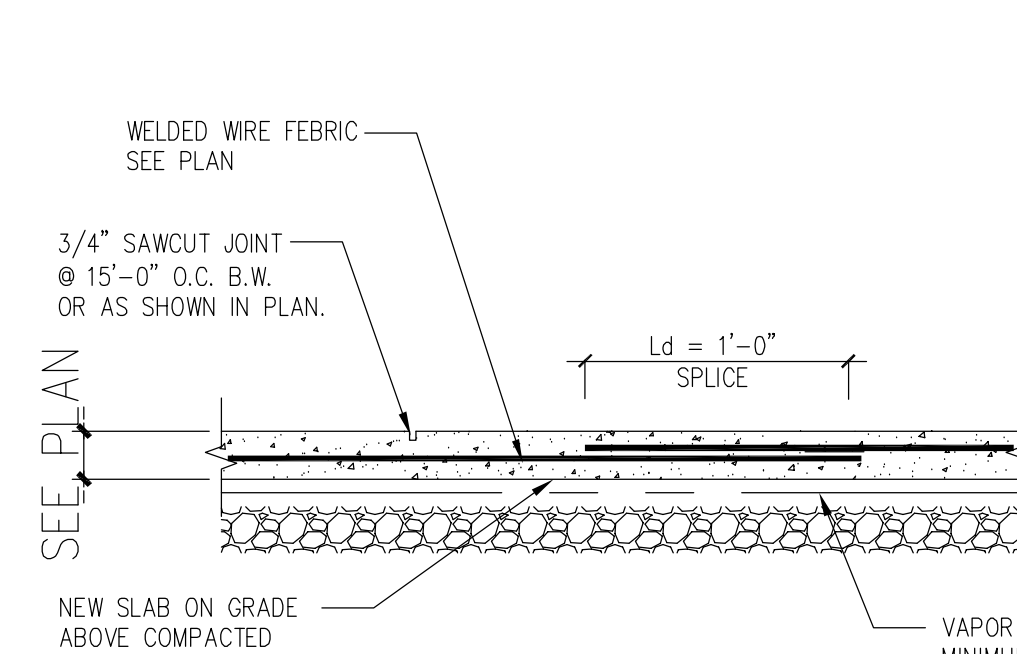
DRAFTPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS DEVELOPMENT
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
001-021417
DATE:
10/24/2024
STATE OF ILLINOIS



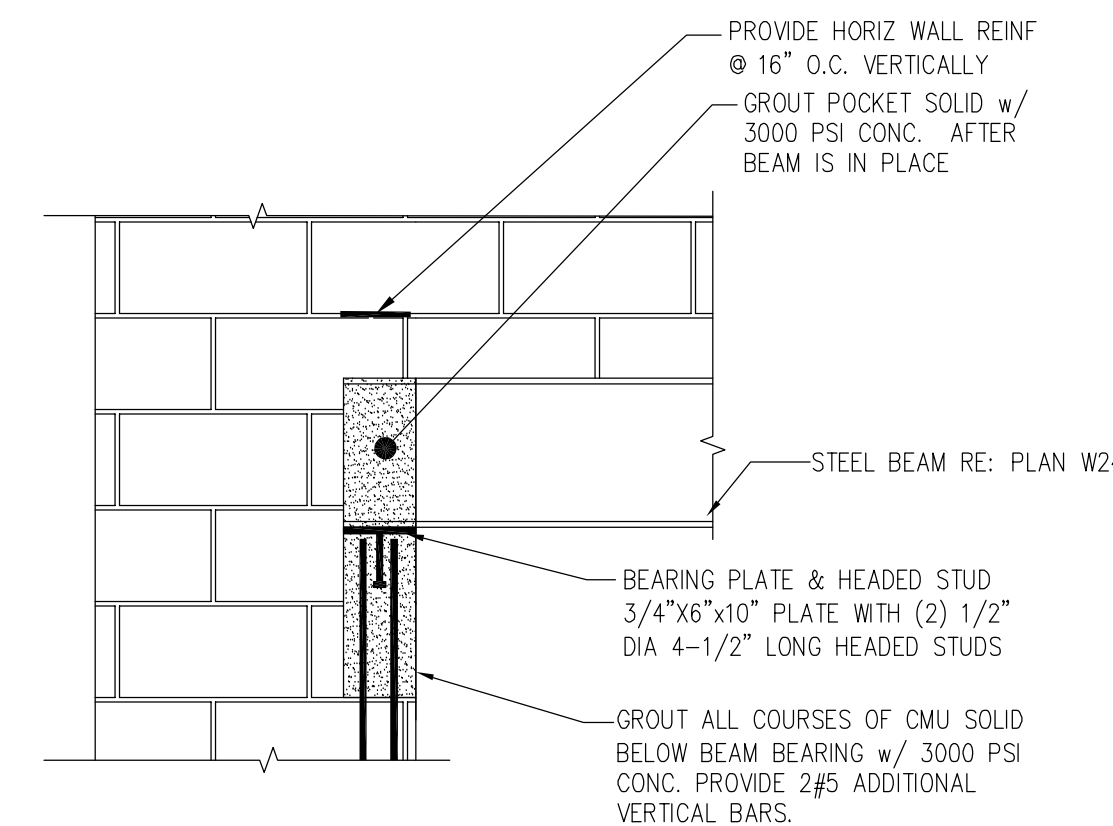
1 DETAIL AT EXTERIOR FOUNDATION WALL
SCALE: 3/4" = 1'-0"



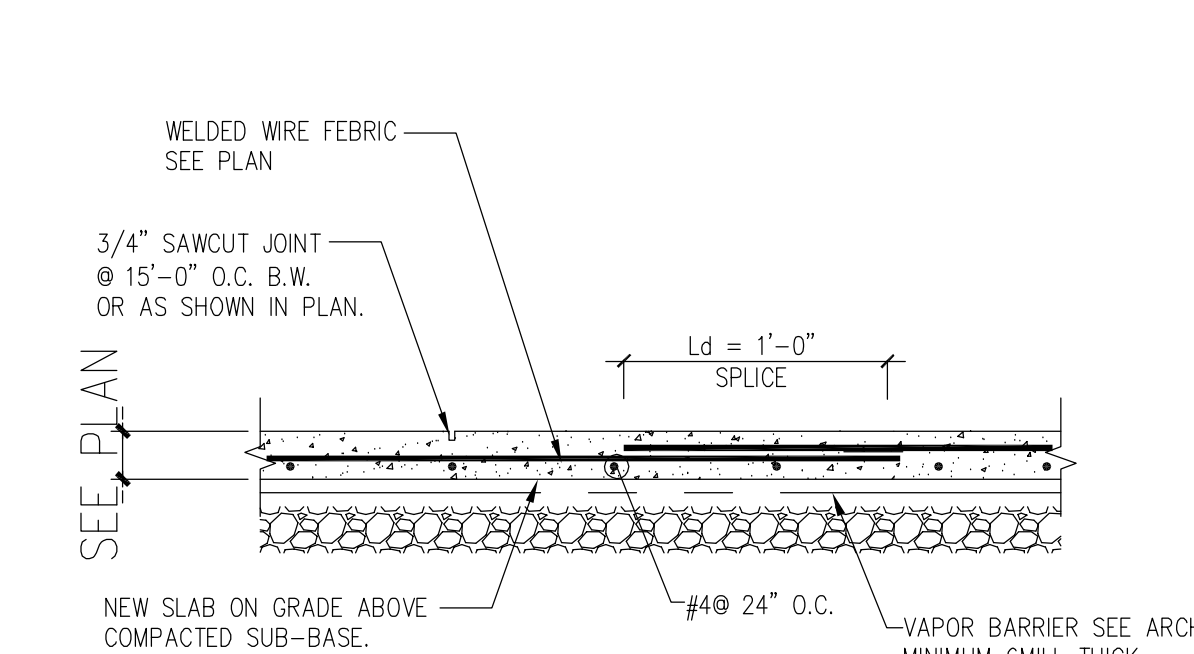
2 DETAIL AT INTERIOR COLUMN
SCALE: 3/4" = 1'-0"



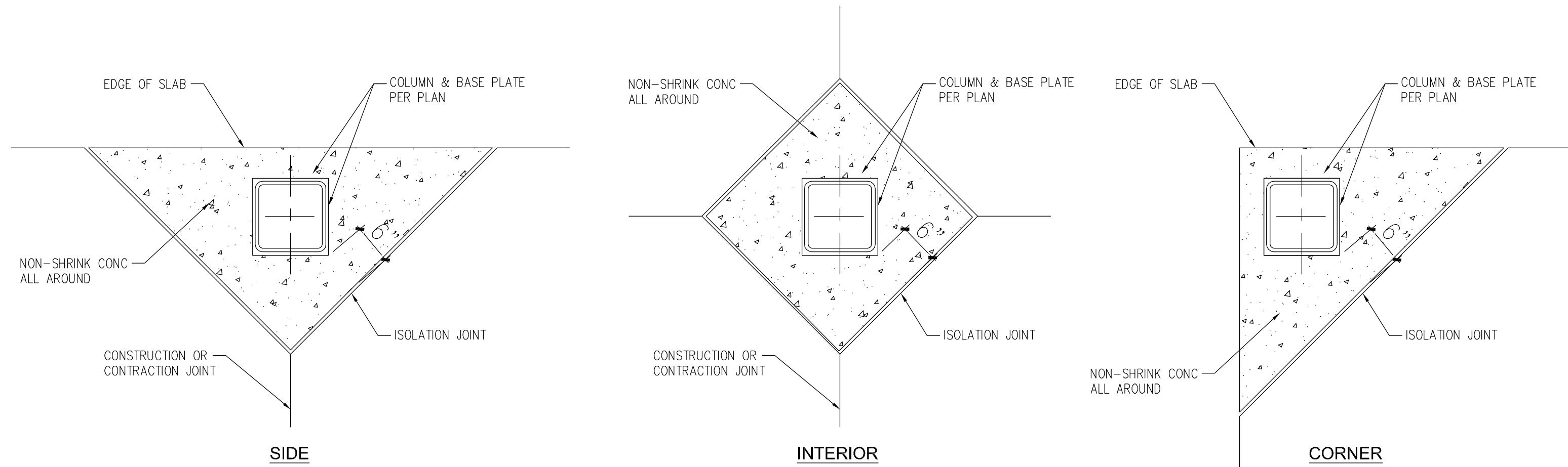
3 SLAB ON GRADE DETAIL
SCALE: 3/4" = 1'-0"



4 TYPICAL WF BEAM BEARING DETAIL
SCALE: 3/4" = 1'-0"



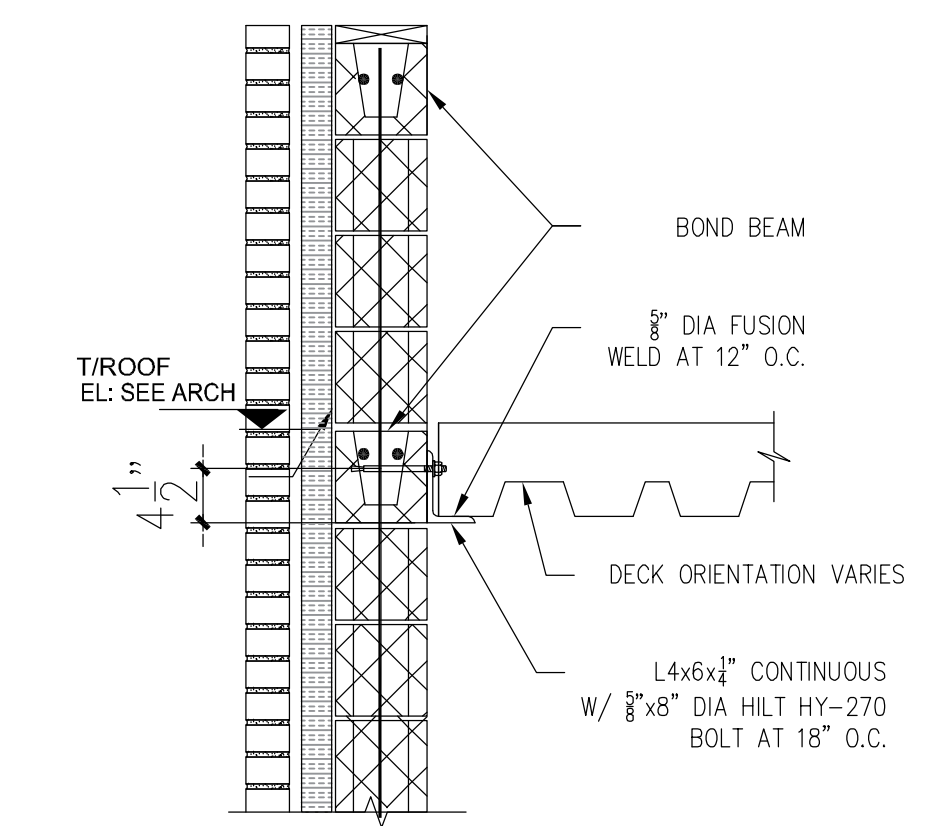
5 FIBER MESH SLAB ON GRADE
SCALE: 3/4" = 1'-0"



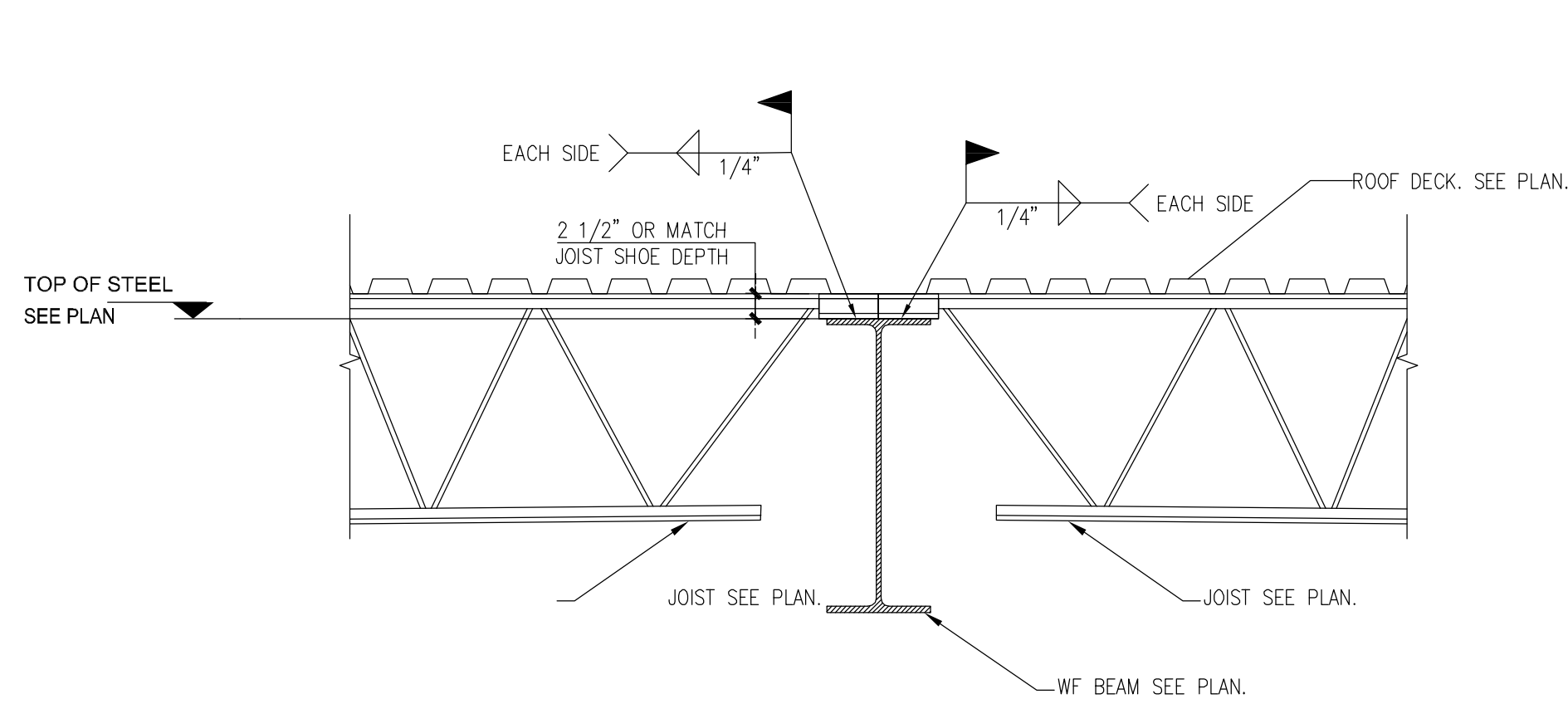
6 ISOLATION JOINT DETAILS
SCALE: 3/4" = 1'-0"

FOOTING MARK	FOOTING SIZE			FOOTING REINFORCEMENT		REINFORCED CONCRETE PIER	
	LENGTH	WIDTH	DEPTH	BOTTOM	TOP	SIZE	REINFORCEMENT
F3	3'-0"	3'-0"	15"	(6) #5 EA/WAY	-	18"x18"	#4 VERT. #3@12" STIRRUPS
F3.5	3'-6"	3'-6"	15"	(6) #5 EA/WAY	-	18"x18"	#4 VERT. #3@12" STIRRUPS
F4	4'-0"	4'-0"	18"	(7) #5 EA/WAY	-	18"x18"	#4 VERT. #3@12" STIRRUPS
F4.5	4'-6"	4'-6"	18"	(7) #5 EA/WAY	-	18"x18"	#4 VERT. #3@12" STIRRUPS
F5	5'-0"	5'-0"	18"	(8) #5 EA/WAY	-	18"x18"	#4 VERT. #3@12" STIRRUPS
F5.5	5'-6"	5'-6"	18"	(8) #5 EA/WAY	-	18"x18"	#4 VERT. #3@12" STIRRUPS

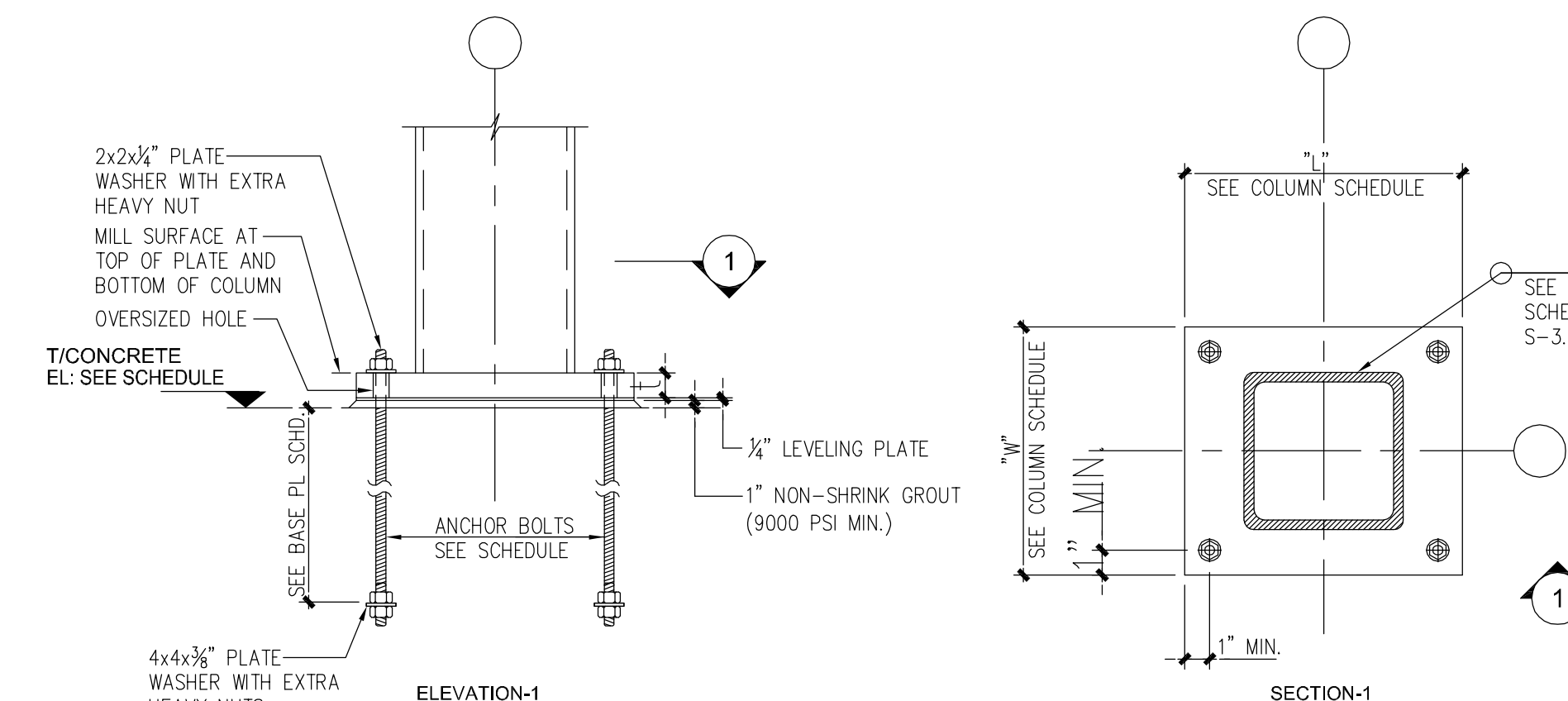
7 FOUNDATION SCHEDULE
SCALE: 3/4" = 1'-0"



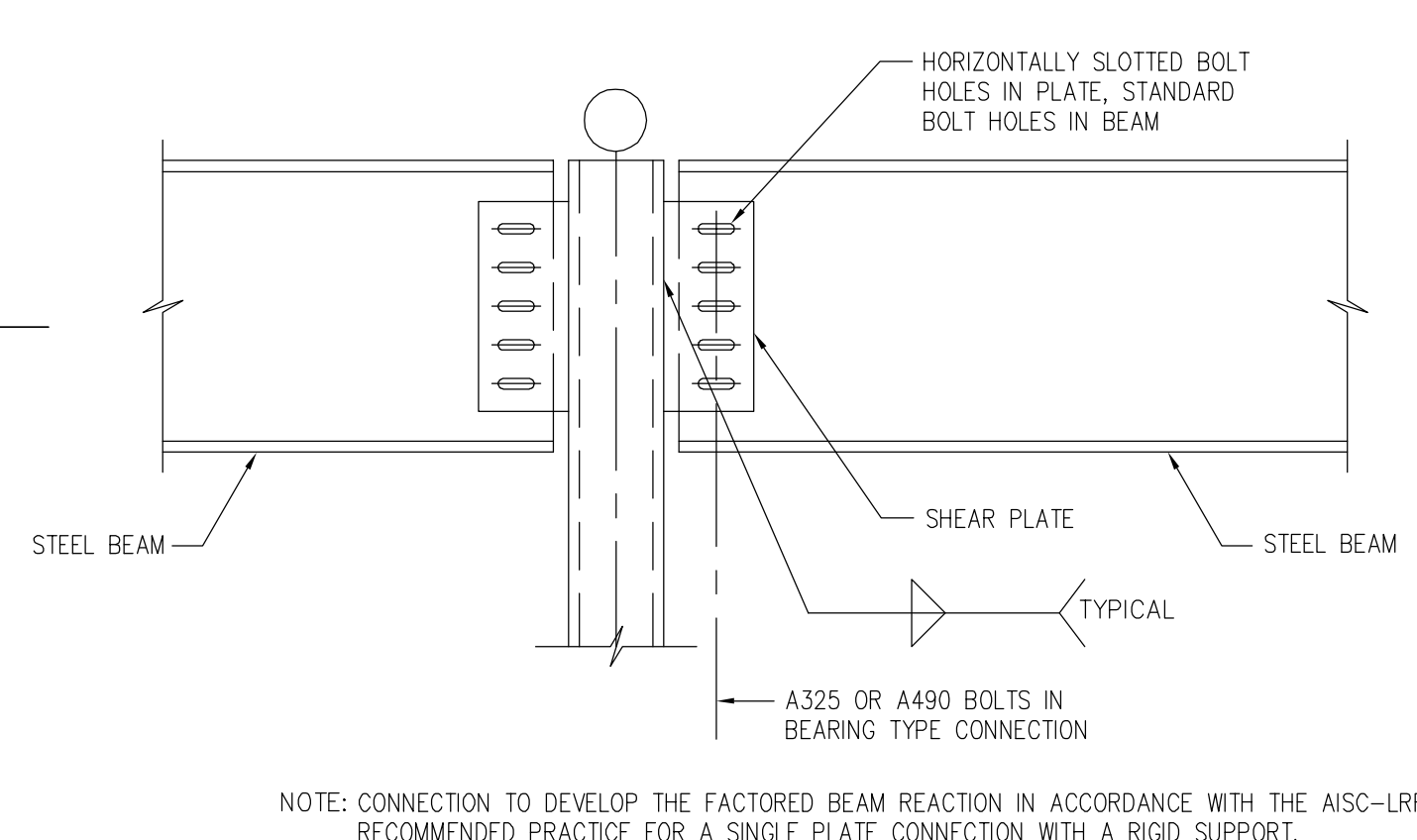
8 TYPICAL CMU WALL TO METAL DECK
SCALE: 3/4" = 1'-0"



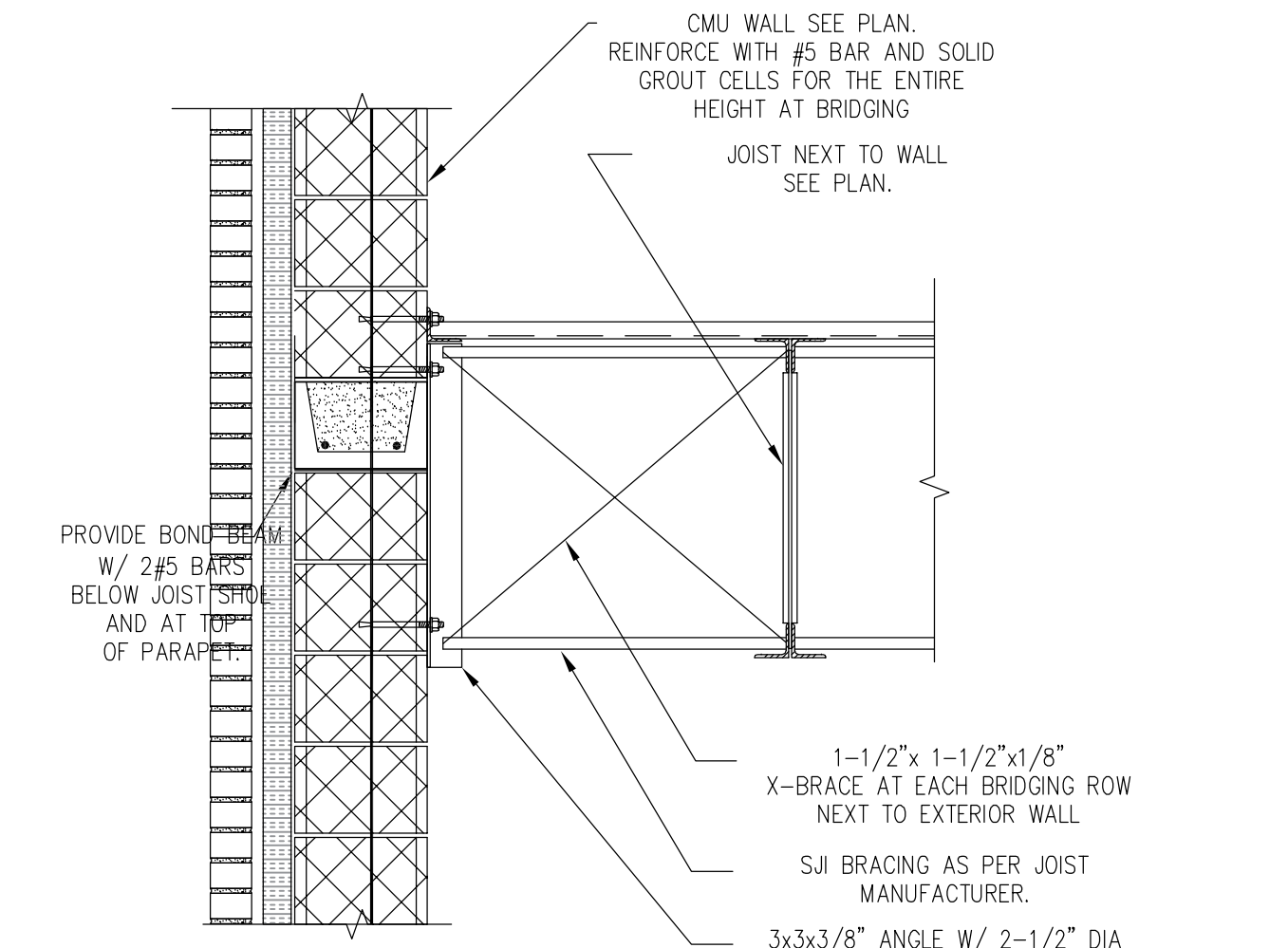
9 ROOF WF BEAM AND JOIST SECTION.
SCALE: 3/4" = 1'-0"



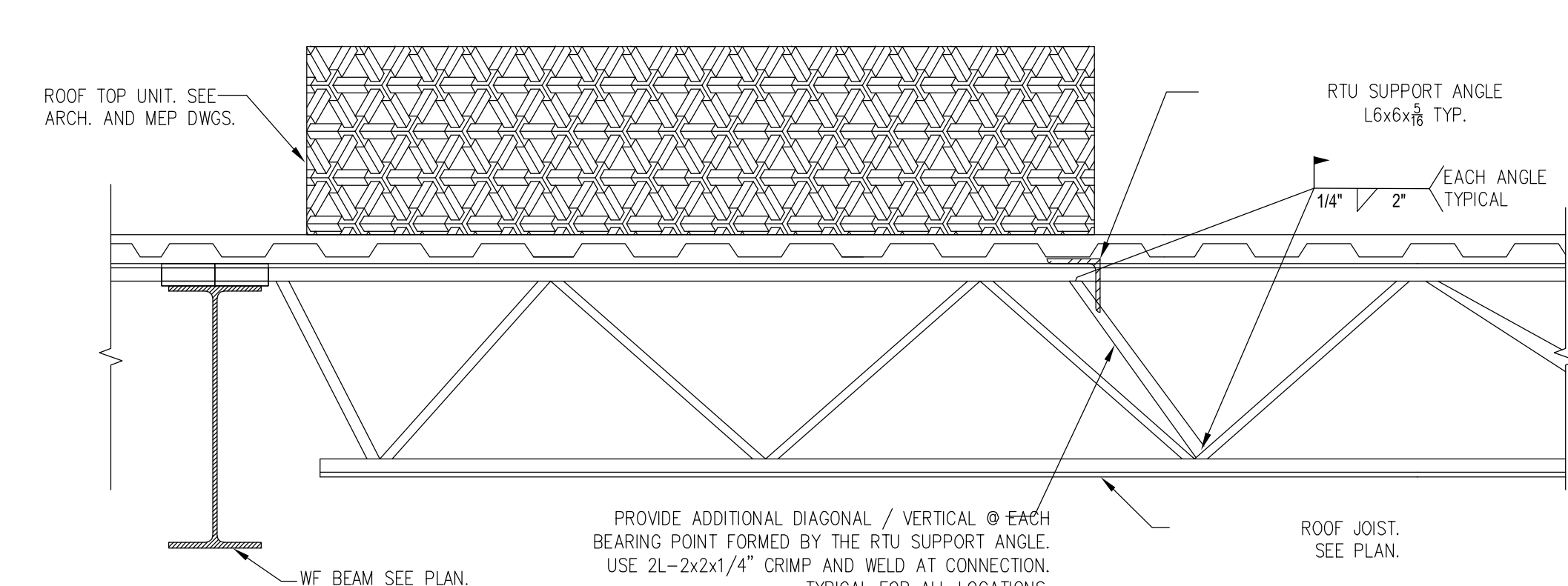
10 TYPICAL BASE PLATE DETAILS
SCALE: 3/4" = 1'-0"



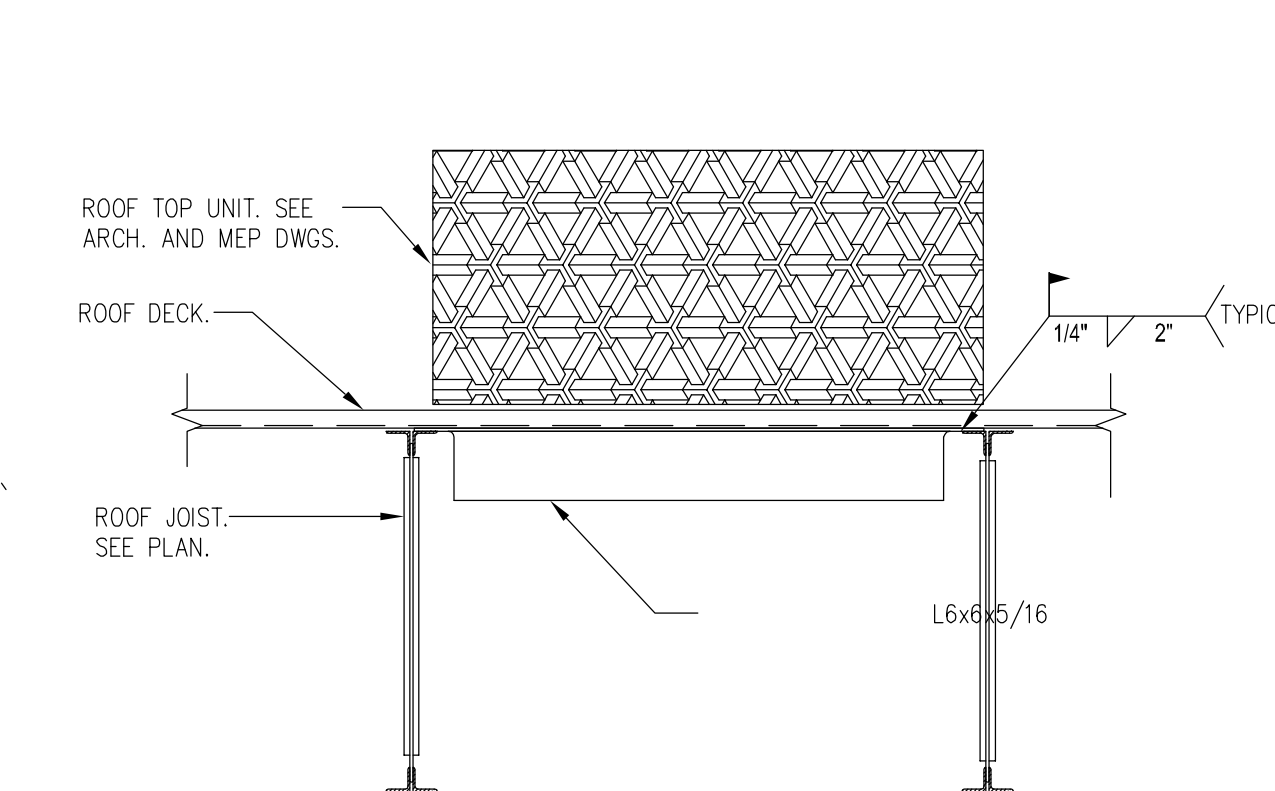
11 TYPICAL BEAM-TO-COLUMN SHEAR CONNECTION
SCALE: 3/4" = 1'-0"



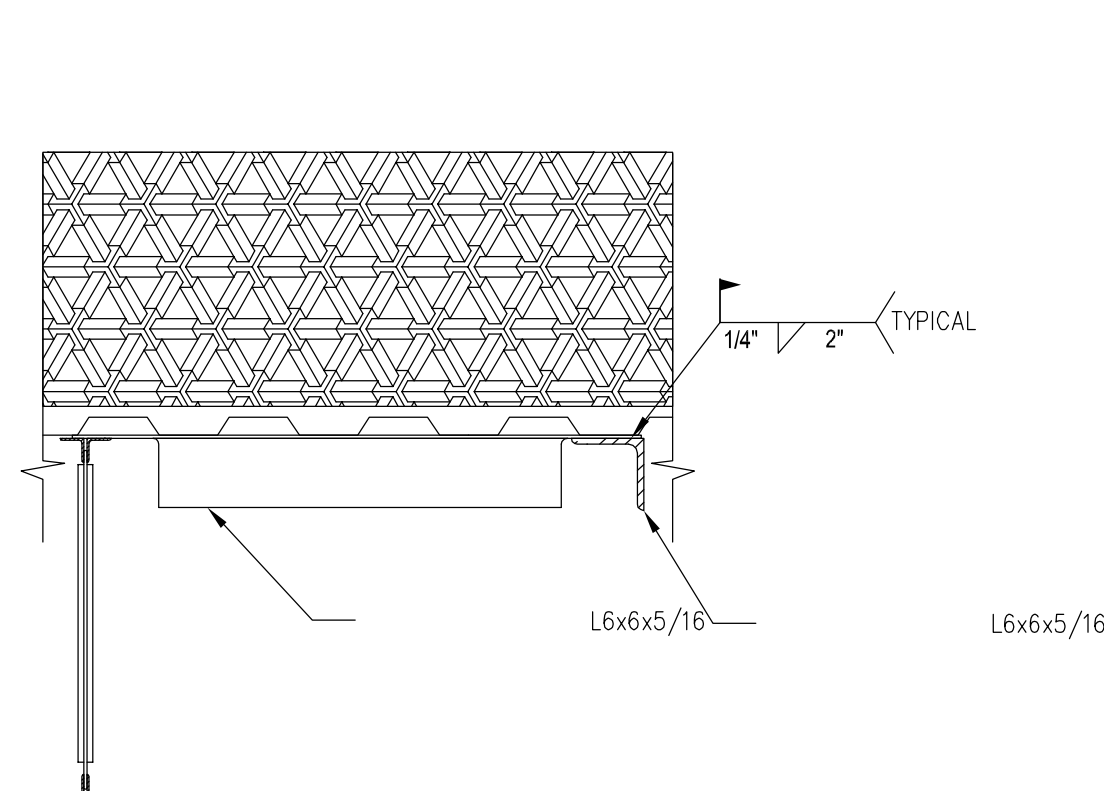
12 BRIDGING TO BOND BEAM CONNECTION
SCALE: 3/4" = 1'-0"



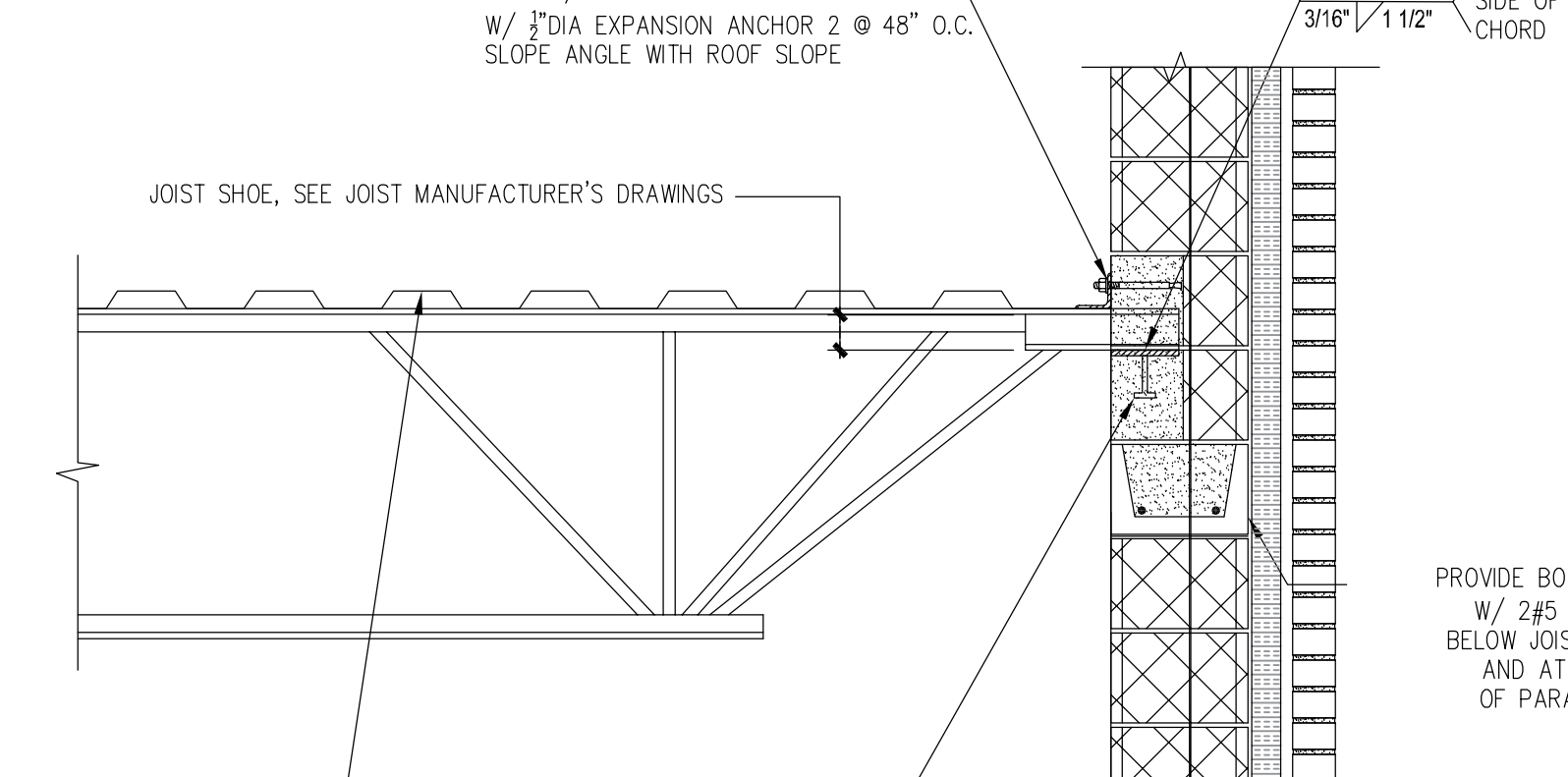
13 JOIST REINFORCEMENT DETAIL FOR RTU AND ROOF HATCH
SCALE: 3/4" = 1'-0"



14 SECTION AT RTU AND ROOF HATCH
SCALE: 3/4" = 1'-0"



15 SECTION AT RTU
SCALE: 3/4" = 1'-0"



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

ISSUES AND REVISIONS:

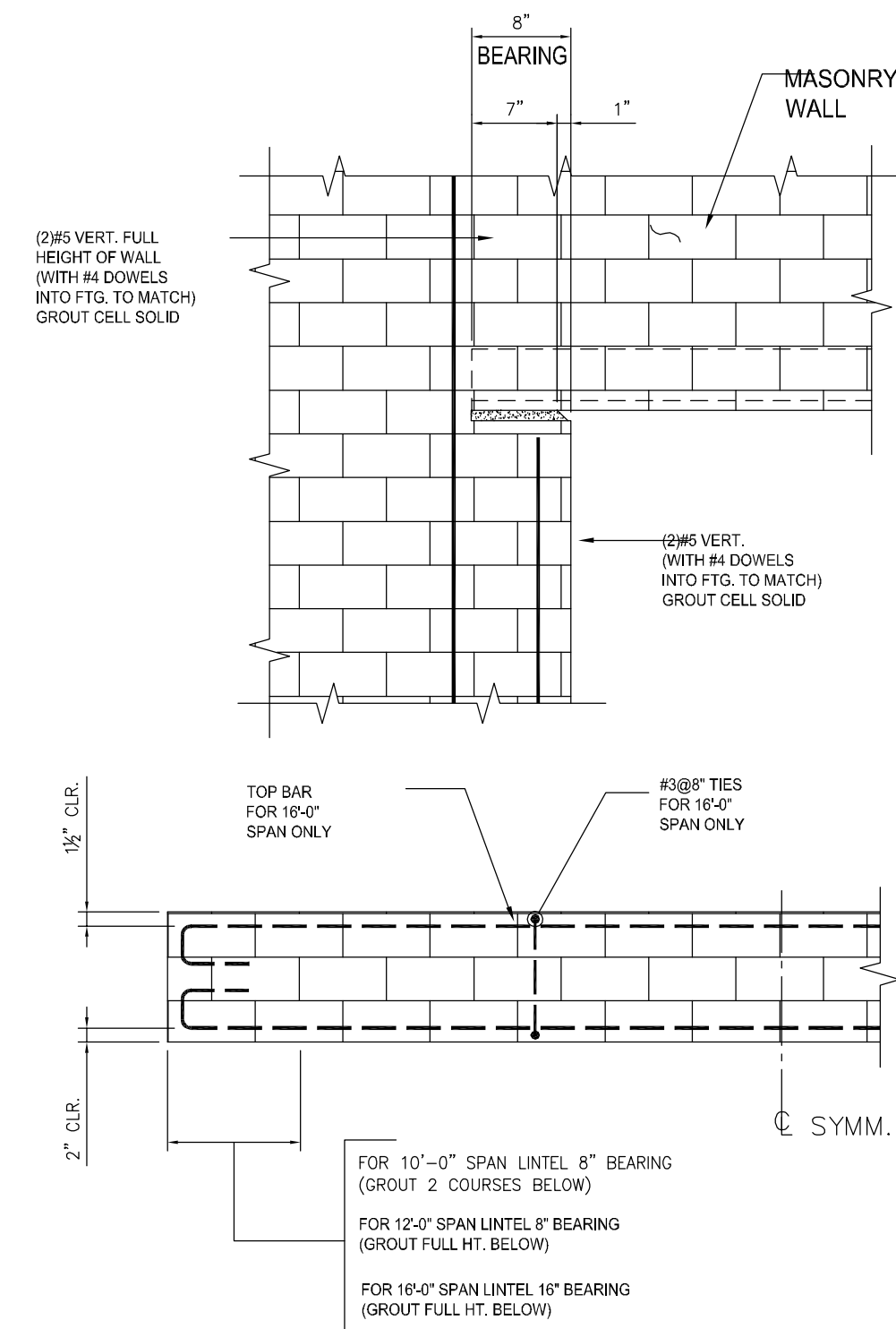
NO.	BY	DATE	DESCRIPTION
1	EBD	03/02/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	EBD	07/02/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

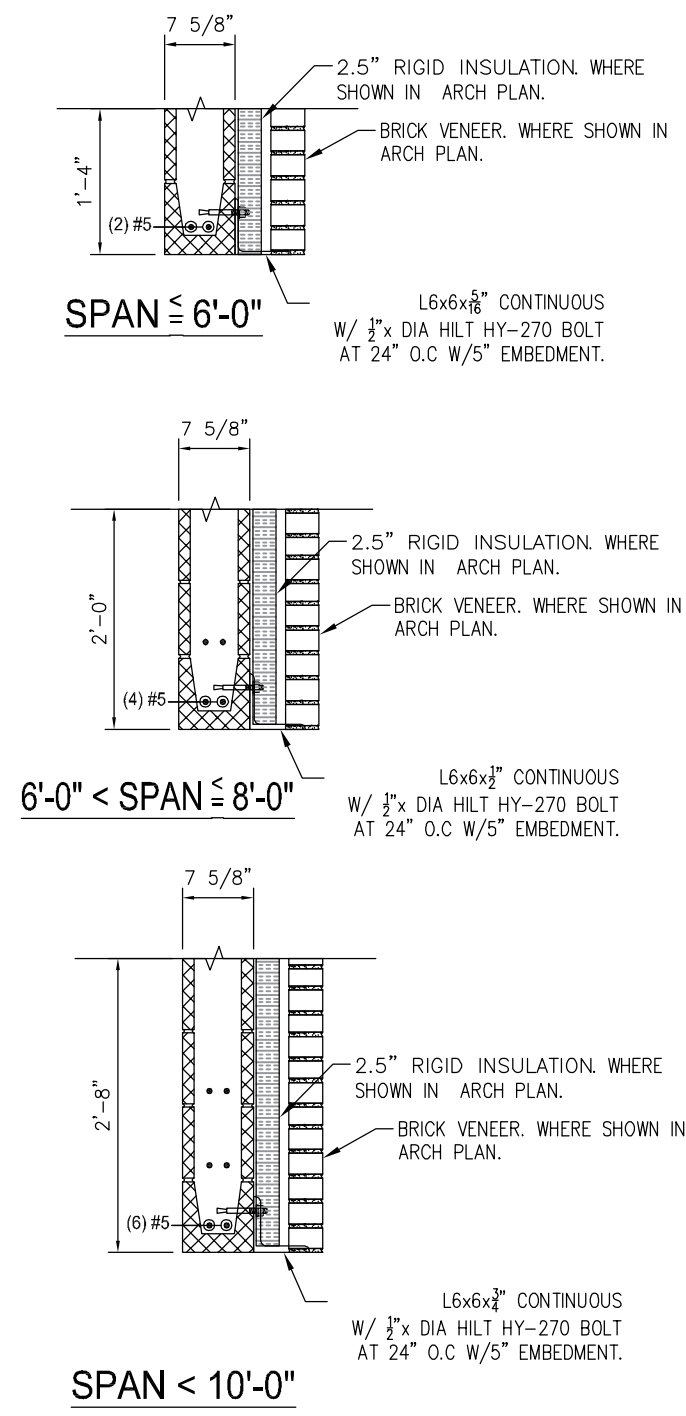
ASPHALT PAVING PROFESSIONALS DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE 708-508-7281

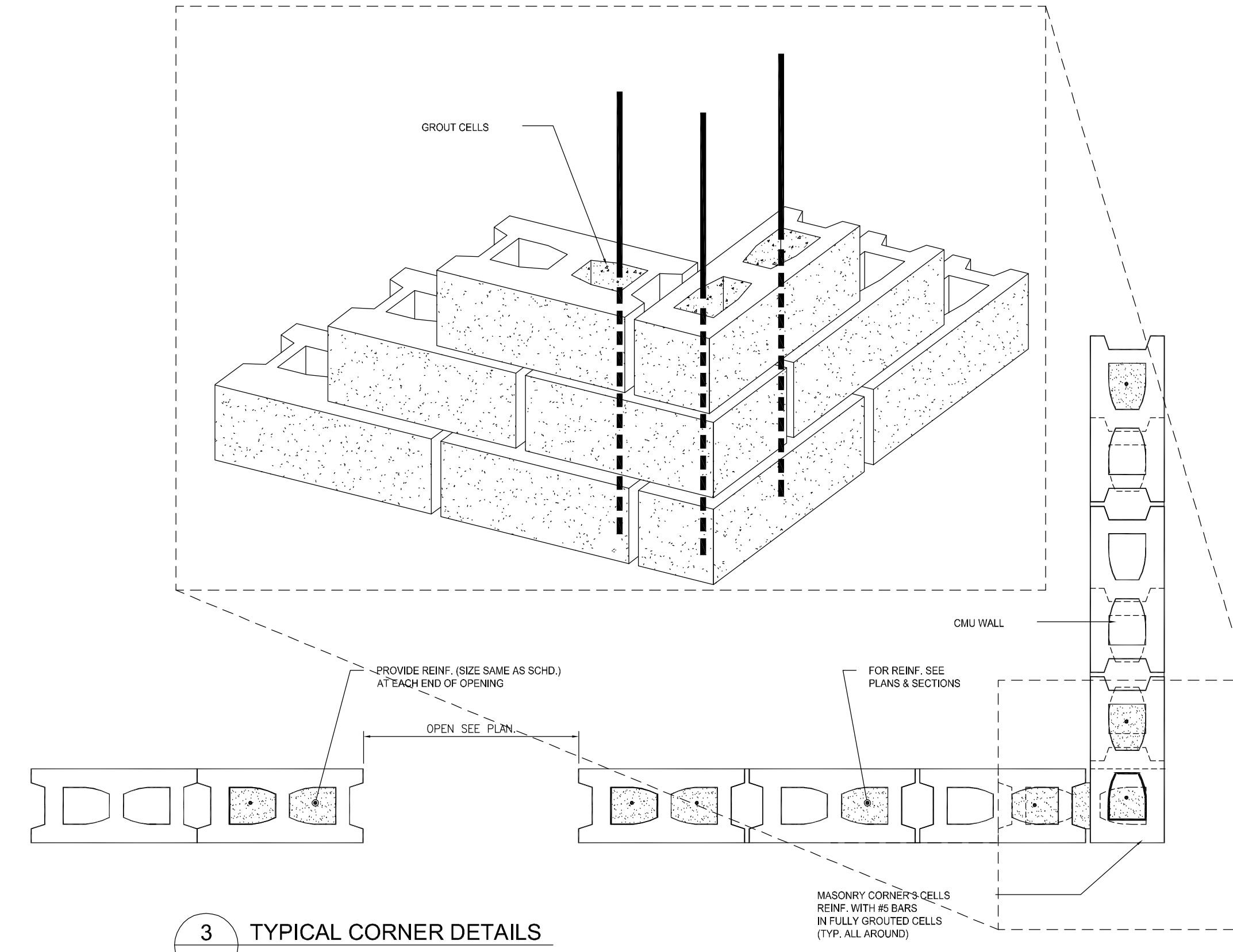
DRAFTSPERSON: BG
APPROVED: BG
PREPARED FOR: ASPHALT PAVING PROFESSIONALS DEVELOPMENT
LOCATION: NAPERVILLE, IL
JOB NUMBER: 001-021417
DATE: 10/24/2024
STATE OF ILLINOIS



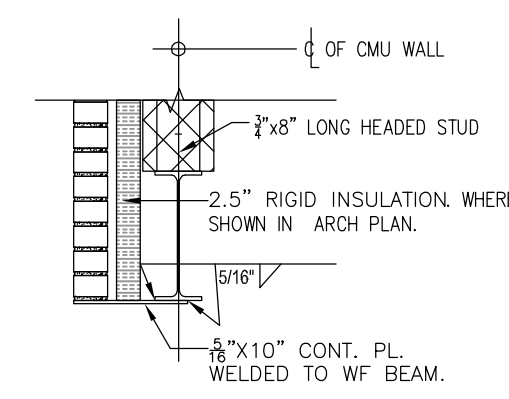
1 CMU LINTEL BEARING DETAIL
SCALE: N.T.S.



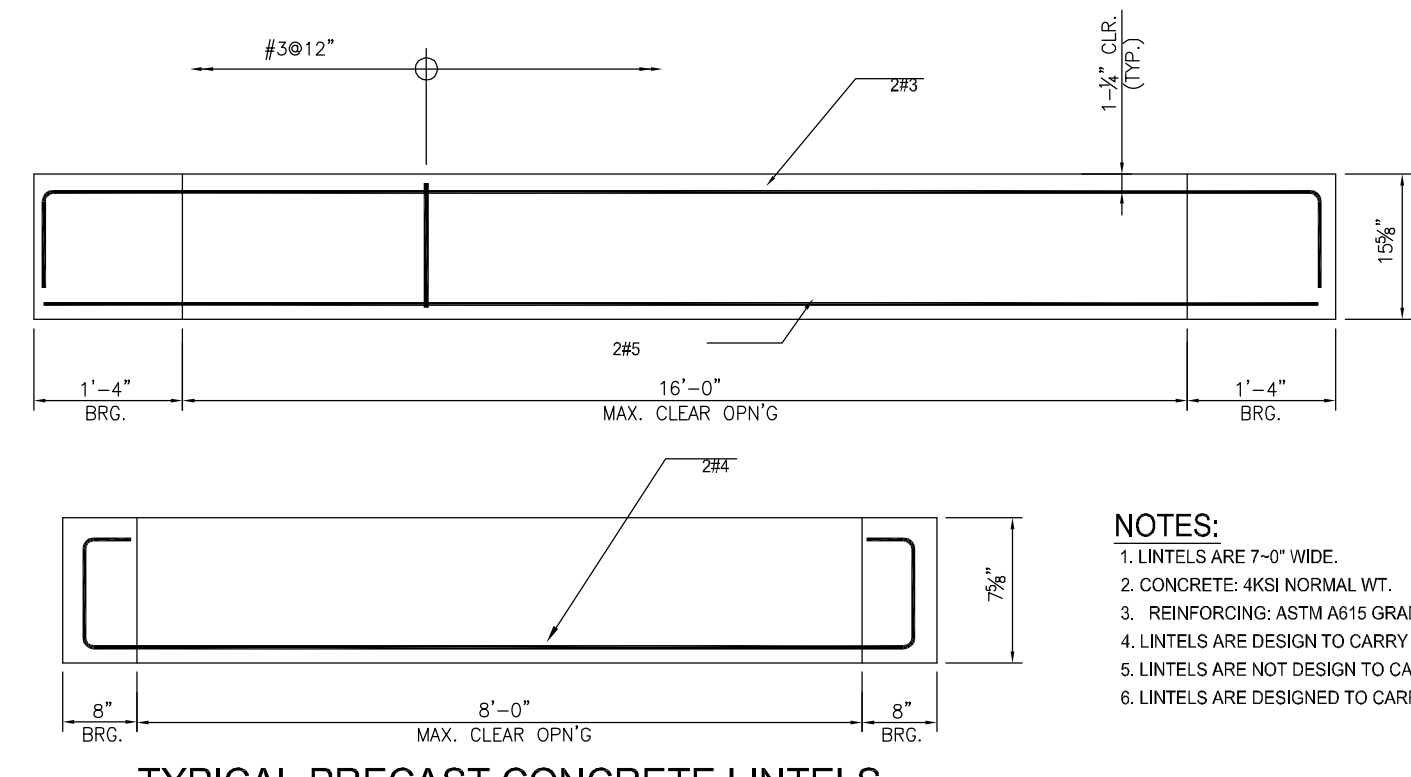
2 EXTERIOR CMU LINTEL DETAILS
SCALE: N.T.S.



3 TYPICAL CORNER DETAILS
SCALE: N.T.S.



4 TYPICAL CMU OVER STEEL BEAM
SCALE: N.T.S.

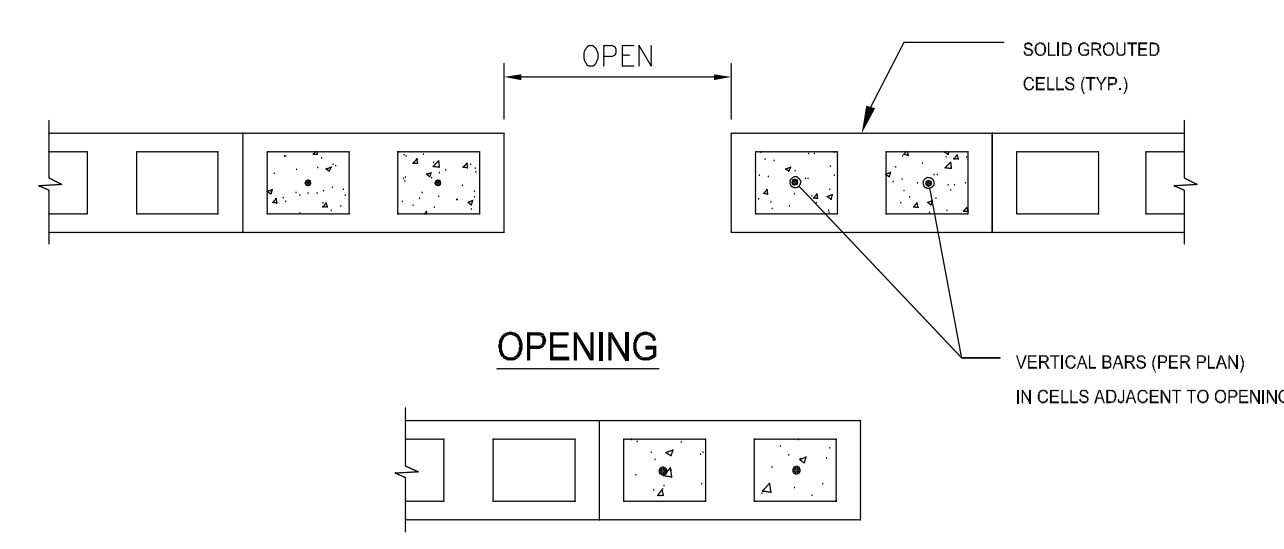


6 FOR NON-BEARING MASONRY PARTITIONS
SCALE: N.T.S.

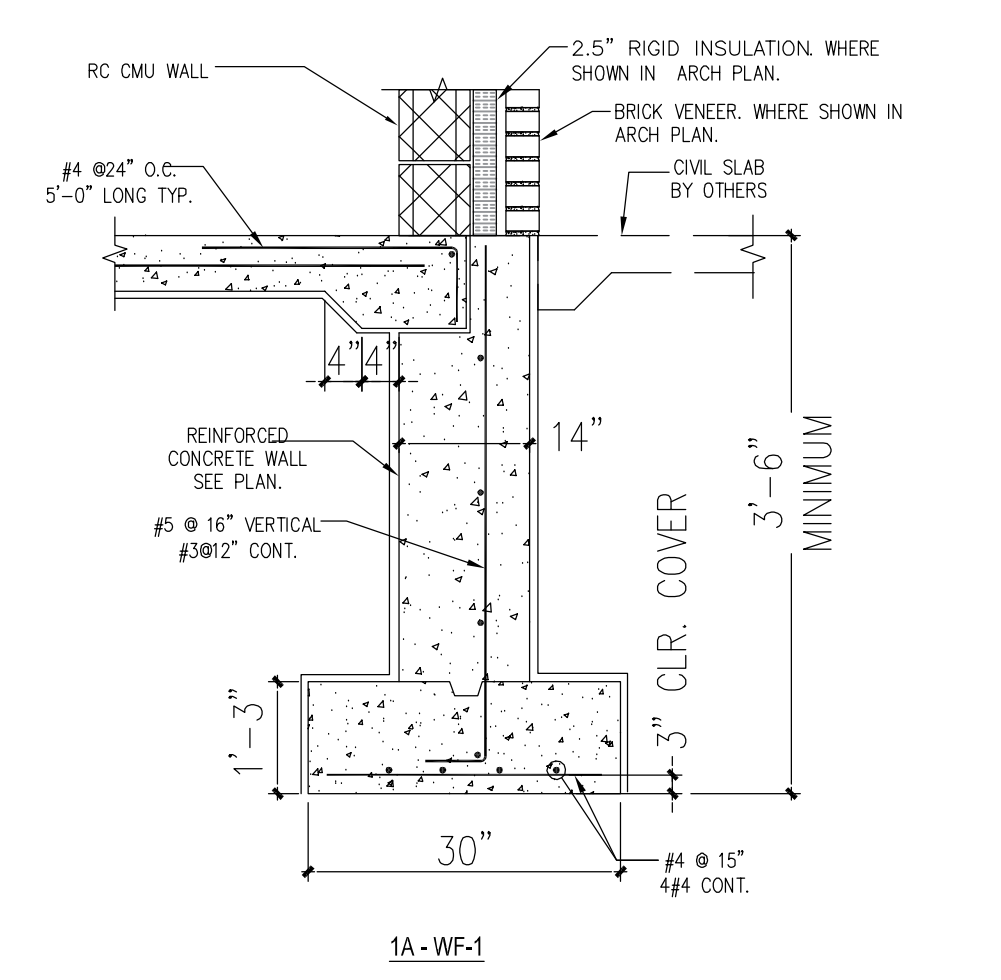
CMU WALL THICKNESS AND REINFORCEMENT			
WALL	FOUNDATION TO GROUND	SLAB ON GRADE TO ROOF	
NORTH WALL	NA	8"	#4 @ 32"
SOUTH WALL	NA	8"	#4 @ 32"
EAST WALL	NA	8"	#4 @ 32"
WEST WALL	NA	8"	#4 @ 32"

PROVIDE 9 GAGE GALVANIZED WIRE LADDER OR TRUSS TYPE REINFORCEMENT AT EVERY OTHER COURSE. PROVIDE BOND BEAM W/ 2#3 BARS AT MID HEIGHT AND 2ND FLOOR LEVEL.

LOOSE STEEL WF LINTELS FOR CMU			
CLEAR SPAN	WF BEAM SIZE	BEARING PLATE SIZE	
12'-0" TO 20'	W16x36	8x7 1/2 x 4"	
8'-0" TO 12'-0"	W8x31	8x7 1/2 x 4"	
UP TO 8'-0"	W8x24	8x6 1/2 x 3"	



5 TYPICAL OPENING AND END DETAILS
SCALE: N.T.S.



6 DETAIL OF FOUNDATION WALL AT GARAGE ENTRANCE
SCALE: N.T.S.

ISSUES AND REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:
1	BRD	03/20/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	BRD	01/28/2025	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

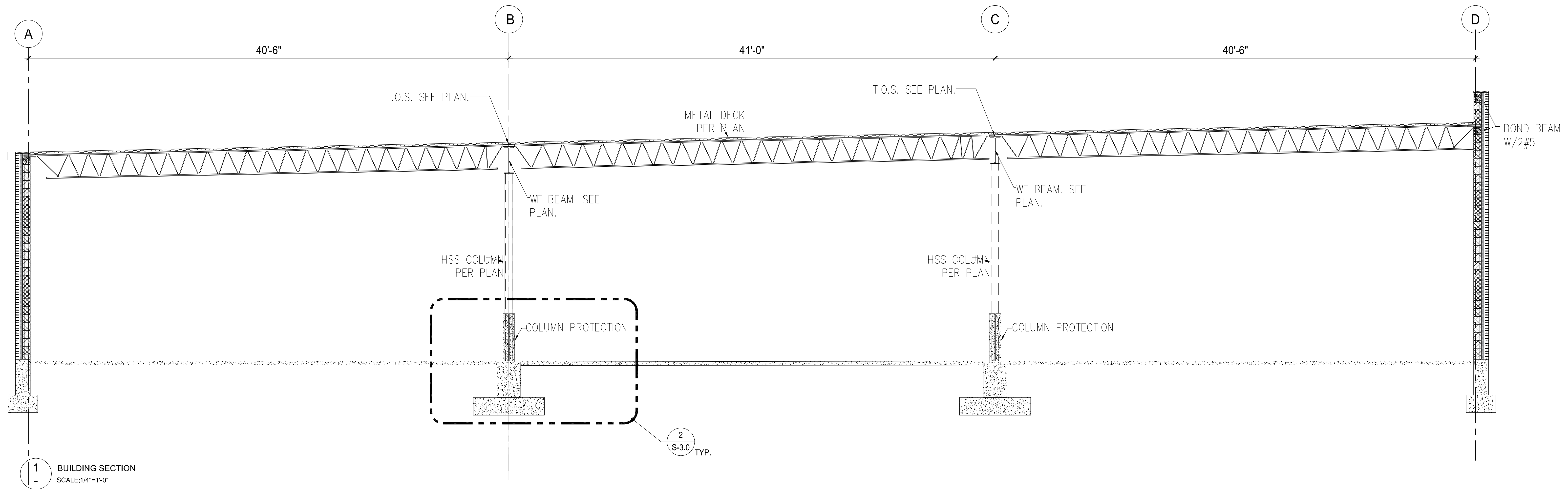
NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE - SUITE #120
OAKBROOK TERRACE IL 60151
PHONE: 708-508-7281

DRAFTPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
10/24/2024

BRIAN J. GOULD
ARCHITECT
STATE OF ILLINOIS
001-061417



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

ISSUES AND REVISIONS:

NO.	BY	DATE	DESCRIPTION
1	EBD	03/20/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2	EBD	01/26/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS & SITE LAYOUT UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
ONE TRANS AM PLAZA DRIVE SUITE #120
OAKBROOK TERRACE IL 60181
PHONE 708-508-7281

DRAFTPERSON:
BG
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS
DEVELOPMENT
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
001-021417
DATE:
12/24/2024

BRIAN J. GOULD
ARCHITECT
STATE OF ILLINOIS

SHEET NUMBER:
S-5.0

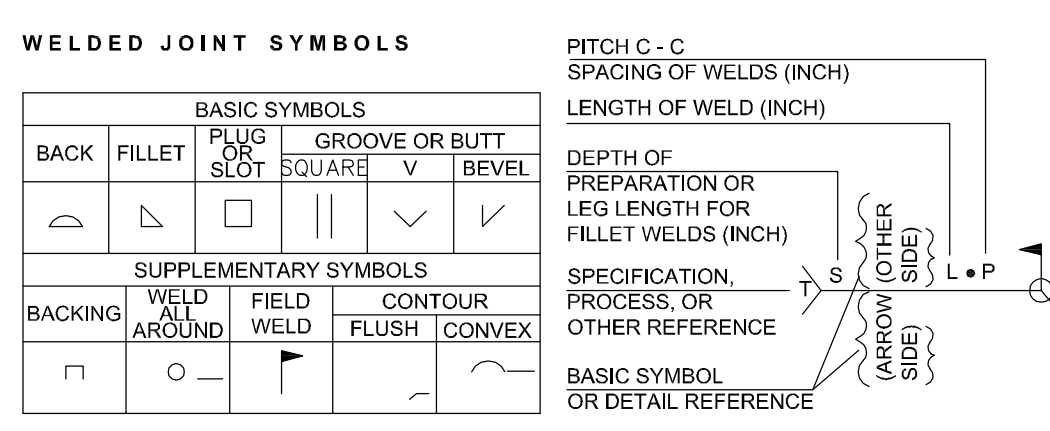
GENERAL NOTES:-

- SCOPE FOR THIS PROJECT (PROPOSED WAREHOUSE DEVELOPMENT) IS LIMITED TO THE DESIGN OF A NEW BUILDING. SCOPE IS CLEARLY OUTLINED IN PLANS ALSO.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR OPENINGS, DEPRESSIONS, EQUIPMENTS, WEIGHTS AND LOCATIONS, EMBEDDED ITEMS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- NO STRUCTURAL MEMBER OR COMPONENT SHALL BE CUT, NOTCHED, OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED BY THE ENGINEER OF RECORD FOR REVIEW OF ANY SUCH DEVIATIONS.
- DO NOT SCALE DRAWINGS.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.
- DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE REFERENCED AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER OF RECORD.
- THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCIES BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- THE CONTRACTOR STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCE AND SAFETY. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE STRUCTURAL ENGINEER'S OBLIGATIONS TO REVIEW SHOP DRAWINGS AND OTHER SUBMITTALS AND TO RETURN THEM IN A TIMELY MANNER ARE CONDITIONED UPON THE PRIOR REVIEW AND APPROVAL OF THE SHOP DRAWINGS OR SUBMITTALS BY THE CONTRACTOR AS OUTLINED IN THE CONSTRUCTION CONTRACT AND THE CONTRACTOR'S SUBMITTAL OF THE SHOP DRAWINGS AND OTHER SUBMITTALS IN ACCORDANCE WITH A WRITTEN SCHEDULE DISTRIBUTED IN ADVANCE TO THE ENGINEER IDENTIFYING THE DATES FOR THE SUBMITTAL OF THE VARIOUS SHOP DRAWINGS AND SUBMITTALS.
- PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK.
- ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXCEED LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE OWNER. THIS PROGRAM SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO, PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATINGS FOR CONCRETE, SEALANTS, CALKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS, AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.
- STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
- IN THE PROFESSIONAL OPINION OF THE STRUCTURAL CONTRACT DOCUMENTS FOR THIS PROJECT HAVE BEEN PREPARED IN ACCORDANCE WITH THE DESIGN CRITERIA AS SET FORTH IN THE INTERNATIONAL BUILDING CODE 2012.
- NO PROVISIONS HAVE BEEN MADE FOR VERTICAL OR HORIZONTAL EXPANSION.
- FINISH FLOOR ELEVATION (FIRST FLOOR) IS 6'-0" IS USED AS A REFERENCE ELEVATION. SEE CIVIL/ARCH. DRAWINGS FOR ACTUAL ELEVATION.
- USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS AND USE OF CAD FILES BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFY HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS, OMISSIONS AND MISTAKES.
- THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE EDITION 2018.
- THE DESIGN GRAVITY LOADS ARE AS FOLLOWS:
 A. SOILS BEARING CAPACITY BASED THE PRESUMPTIVE BEARING CAPACITY OF 2000 PSF AS PER BC TABLE 1806.2
 B. SUPERIMPOSED DEAD LOADS
 C. LIVE LOADS
 D. SNOW LOADS

- THE CONTRACTOR SHALL PROVIDE BRACING AS REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING CONSTRUCTION.
 - WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FEDERAL, STATE AND CITY LAWS, BYLAWS, ORDINANCES AND REGULATIONS IN ANY MANNER AFFECTING THE CONDUCT OF THIS WORK AS WELL AS ALL ORDERS OR DECREES WHICH HAVE BEEN PROMULGATED OR ENACTED BY ANY LEGAL BODIES OR TRIBUNALS HAVING AUTHORITY OR JURISDICTION OVER THE WORK. MATERIALS, EMPLOYEES OR CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PERSONNEL SAFETY. THE JOBSITE, GUIDELINES FOR CONSTRUCTION SAFETY SHALL BE IN ACCORDANCE WITH BUT NOT LIMITED TO, THE CONSTRUCTION INDUSTRY OSHA SAFETY AND HEALTH STANDARDS (1926 STANDARDS), AND ANY LOCAL ORDINANCES OR CODES WHICH MAY BE APPLICABLE.
 - WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE PROVIDED BY CONTRACTOR AT AN ADDITIONAL COST.
 - MINOR DETAILS OR INCIDENTAL ITEMS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR A PROPER AND COMPLETE INSTALLATION SHALL BE INCLUDED AS REQUIRED.
- STRUCTURAL STEEL:-**
- STRUCTURAL STEEL ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A 36, WHERE SO NOTED ON PLAN.
 - STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B.
 - STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B, OR ASTM A501. MILL TEST REPORTS FOR THE STEEL PIPE SHALL BE SUBMITTED FOR APPROVAL.
 - ANCHOR BOLTS SHALL CONFORM TO ASTM A307, UNLESS NOTED OTHERWISE.
 - CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM A325. BOLT SHALL BE DESIGNED AS BEARING TYPE BOLTS, EXCEPT AS NOTED HEREIN OR ON PLAN. BEARING BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE "SNUG TIGHT" CONDITION AS OUTLINED IN THE AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A 499 BOLTS, AS REVISED 1985. BOLTS IN BRACING CONNECTIONS, MOMENT CONNECTIONS OR OTHER CONNECTIONS NOTED ON THE DRAWINGS ARE CONSIDERED TO BE SLIP-CRITICAL BOLTS AND SHALL BE TIGHTENED BY THE TURN-OF-NUT METHOD OR SHALL UTILIZE LOAD INDICATOR TYPE BOLTS, INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. CONNECTION BOLTS SHALL HAVE HANGERS PLACED UNDER THE ELEMENT TO BE TIGHTENED.
 - WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D11-94. E-80 ELECTRODES FOR SHOP AND FIELD WELDS SHALL CONFORM TO AWS A51.1 OR AWS A5.5 CLASS EXXX, LOW HYDROGEN.
 - SPlicing OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF JOINT AND CONNECTION TO BE MADE.
 - BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE CONTRACT DOCUMENTS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.
 - IF NOTED ON PLAN EACH END OF WIDE FLANGE BEAMS (W SHAPES) CONNECTIONS SHALL BE DESIGNED FOR THE VERTICAL SHEAR FORCE NOTED IN THE TABLE BELOW.

BEAM MINIMUM NUMBER OF BOLTS AND VERTICAL REACTION TABLE		
MEMBER	MINIMUM NUMBER OF BOLTS	MINIMUM DESIGN REACTION "V" (Kips)
W12	3	47
W14	3	47
W16	3	47
W18	4	63
W21	5	79
W24	5	79
W27	6	95
W30	6	95

- EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE PAINTED WITH ZINC RICH PRIMER IN AN INORGANIC RESIN, ONE OF THE FOLLOWING:
 • "CARBOZINC 11 HS OR CARBO-ZINC 11VOC" (CARBOLINE CO.); 2.0 TO 4.0 MILS MIN. D.F.T.
 • "N09092 TME-ZINC" (TMECC CO.); 2.0 TO 3.0 MILS MIN. D.F.T.
 • "DMTMCOTE 21-5" AMERON PROTECTIVE COATINGS); 2.0 TO 3.0 MILS MIN. D.F.T.
 • "INTERZINC 22HS" (INTERNATIONAL PAINT), 2.5-3.0 MILS MIN. D.F.T.
 • PRIMER SHALL BE CERTIFIED BY MANUFACTURER TO PROVIDE ASTM A490 CLASS "B" SLIP COEFFICIENT AND CREEP RESISTANCE FOR FRICTION TYPE CONNECTIONS.
- AFTER ERECTION, CLEAN EXPOSED SURFACES OF FIELD CONNECTIONS, UNPAINTED AREAS ADJACENT TO FIELD CONNECTIONS AND DAMAGED AREAS IN THE SHOP COAT TO BE FIELD PAINTED AT THE SAME STANDARDS AS REQUIRED FOR THE SHOP COAT AND PAINT WITH THE SAME PRIMER USED IN THE SHOP COAT.
- WHERE FINISH IS NOT DIPPED GALVANIZED, COMPLETE THE SHOP FABRICATION AND CLEANING PRIOR TO APPLICATION OF THE ZINC COATING. SOLVENT CLEAN AND PICKLE THE STEEL AS NECESSARY FOR PROPER PRE-TREATMENT OF THE SURFACES. PROVIDE HOT-DIP GALVANIZING IN ACCORDANCE WITH REQUIREMENTS OF ASTM A123. AND OBTAIN 3.9 MIL AVERAGE COATING THICKNESS. SAFEGUARD AGAINST STEEL EMBRITTLEMENT IN CONFORMANCE WITH ASTM A143. HANDLE THE MATERIALS IN A MANNER TO AVOID MECHANICAL DAMAGE AND DISTORTION. COMPLY WITH ASTM A384 AND ASTM A385 TO PREVENT WARPAGE AND TO PROVIDE HIGH QUALITY ZINC COATING ON ASSEMBLES.



REINFORCED CONCRETE:-

- CONCRETE IN THE FOLLOWING AREAS SHALL HAVE NATURAL SAND FINE AGGREGATE AND NORMAL WEIGHT COARSE AGGREGATES
 CONFORMING TO ASTM C33, TYPE 1 PORTLAND CEMENT CONFORMING TO ASTM C150, AND SHALL HAVE THE FOLLOWING COMPRESSIVE STRENGTH (F'c) AT 28 DAYS:
 FOOTINGS.....4000 PSI
 BASEMENT WALLS AND PLASTERS.....4000 PSI
 LABS ON GRADE.....4000 PSI
- GROUT SHALL BE NONSHRINKABLE GROUT CONFORMING TO ASTM C827, AND SHALL HAVE SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI. PRECROWDING OF BASE PLATES WILL NOT BE PERMITTED.
- MINING, TRANSPORTING AND PLACING OF CONCRETE SHALL CONFORM TO ACI 301-89.
- MINIMUM CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS: (SEE ACI 318-99 SECTION 7.7 FOR CONDITIONS NOT NOTED)
 FOOTINGS.....3 INCHES
 SLABS ON GRADE.....(MAX) 2 INCHES (TOP)
 PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED.
- CONCRETE REINFORCEMENT BARS SHALL CONFORM TO ASTM A615- 85, GRADE 60. NO. 3 BARS MAY CONFORM TO ASTM A615-85, GRADE 40, UNLESS NOTED OTHERWISE. THE "N" DESIGNATION SHALL BE ACCEPTED IN LIEU OF THE "S" DESIGNATION REQUIREMENT, HOWEVER OTHER REQUIREMENTS SHALL BE MET. REINFORCEMENT BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
- REINFORCEMENT DESIGNATED AS "CONTINUOUS" SHALL LAP 36 BAR DIAMETERS AT SPICES UNLESS NOTED OTHERWISE.
- HORIZONTAL FOOTING AND HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED 36 BAR DIAMETERS, AT CORNERS AND INTERSECTIONS.
- HORIZONTAL JOINTING WILL NOT BE PERMITTED IN CONCRETE CONSTRUCTION EXCEPT AS SHOWN ON THE CONTRACT DOCUMENT. VERTICAL JOINTS SHALL OCCUR AT CENTER OF SPANS AT LOCATIONS APPROVED BY THE STRUCTURAL ENGINEER.
- CONSTRUCTION JOINTS BETWEEN FOOTINGS AND SIMILAR JOINTS SHALL BE PREPARED BY ROUGHENING THE CONTACT SURFACE IN AN APPROVED MANNER TO A FULL AMPLITUDE OF APPROX. 14 INCHES, LEAVING THE CONTACT SURFACE FREE AND CLEAR OF LANTANCE. REINFORCED (DOWELED) JOINTS SHALL HAVE BINDER ADDITIVE APPLIED PER DIRECTIONS PRIOR TO POUR.
- ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT FINISHED SURFACES FROM STAINS OR ABRASION. NO FIRE SHALL BE ALLOWED IN DIRECT CONTACT WITH CONCRETE. PROVIDE ADEQUATE PROTECTION AGAINST INJURIOUS ACTION BY SAW OR WIND. FRESH CONCRETE SHALL BE THOROUGHLY PROTECTED FROM HEAVY RAIN, FLOWING WATER AND MECHANICAL INJURY.
- TOPS OF FOUNDATION SHALL BE TROWEL FINISHED AND SMOOTH. REFER TO DRAWING FOR BASE PLATE ACCOMMODATION.
- SLUMP TESTS SHALL BE MADE PRIOR TO THE ADDITION OF PLASTOZITERS CONCRETE FOR THE PREPARATION OF TEST CYLINDERS SHALL BE TAKEN FROM THE HOSE END FOR CONCRETE PLACED BY PUMP.
- WATER SHALL NOT BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE REQUIREMENTS OF THE CONCRETE SUPPLIER AND PUMPER TO ENSURE PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTOZITERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR PROPER USE OF RETARDANTS AND OTHER ADDITIVES. USE OF CALCIUM E CHLORIDE OR OTHER CHLORIDE-BEARING SALTS SHALL NOT BE PERMITTED.
- PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL THE CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE SLAB SURFACE. FINISHING OF SLAB SURFACES SHALL COMPLY WITH ACI RECOMMENDATIONS 302-89 AND 304-89 FOR GARAGES.
 A. CONTINUOUSLY LIQUIDED BURLAP
 B. WATERPROOF MEMBRANES
 C. SPRAYED-ON WATER MEMBRANE
- REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR REQUIREMENTS. PROTECT THE CONCRETE SURFACE BETWEEN FINISHING OPERATIONS ON HOT, DRY DAYS OR ANY TIME PLASTIC SHRINKAGE CRACKS DEVELOP USING WET BURLAP, PLASTIC MEMBRANES OR FOGGING. PROTECT CONCRETE DECK AT ALL TIMES FROM RAIN, HAIL OR OTHER INJURIOUS EFFECTS.

STEEL JOIST:-

- ALL WORK SHALL CONFORM TO STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, AND K-SERIES JOISTS.
- DESIGN JOISTS PER SPECIFIC DESIGN LOADS GIVEN ON DRAWINGS WHICH INCLUDE WIND, SNOW, SHOW DRIFT, DEAD AND LIVE. DESIGN ALL ROOF JOISTS FOR 15 PSF NET WIND UPLIFT AND DESIGN WEB MEMBERS IN THE MIDDLE QUARTER OF ALL ROOF JOISTS FOR STRESS REVERSAL. CONTRACTOR TO PROVIDE SIGNED AND SEALED CALCULATIONS BY ILLINOIS LICENSED ENGINEER.
- CONNECTIONS:
 a. K SERIES JOISTS TO SUPPORTING STEEL: 3" LONG, 1/4" WELD, MIN. E.S.
 b. FIELD BOLT JOISTS AT COLUMNS.
 c. WELDS INDICATED ARE MINIMUMS. DESIGN WELDS WITH CONSIDERATION FOR DESIGN LOADING. INCREASE WELD SIZE OR PREHEAT STEEL BASED ON SUPPORT THICKNESS.
- PROVIDE SPECIAL BEVELED ENDS AT JOISTS SLOPING GREATER THAN 1/4" PER FOOT TO PROVIDE FULL AND EVEN BRACING.
- PROVIDE FORMED ANGLE HORIZONTAL OR BOLTED DIAGONAL BRIDGING. LOCATE BRIDGING AT THE FIRST BOTTOM CHORD PANEL POINT AND SPACE, SIZE AND DETAIL TO CONFORM TO SJI STANDARDS AND THESE CONSTRUCTION DOCUMENTS. COORDINATE BRIDGING WITH MECHANICAL WORK.
- PRIME PAINT ALL JOISTS

ROOF DECK:-

- ALL WORK SHALL CONFORM TO STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR COMPOSITE STEEL FLOOR DECK, NON-COMPOSITE STEEL FORM DECK, AND STEEL ROOF DECK.
- MATERIAL, -60 MINIMUM GALVANIZED STEEL:
 a. 2" DEEP, 18 GAGE MINIMUM COMPOSITE METAL FLOOR DECK.
 b. 1-1/2" 18 GAGE MINIMUM, WIDE RISE METAL ROOF DECK FOR FLAT ROOF.
 c. 2" 20 GAGE MINIMUM, TYPE-N METAL ROOF DECK FOR SLOPED ROOF.
- MINIMUM ATTACHMENT OF FLOOR DECK: FASTEN TO ALL SUPPORTS WITH NOT LESS THAN 5/8" DIA. FUSION WELDS, SPACED 12" O.C. MECHANICALLY FASTEN SIDE LAPS BETWEEN DECK UNITS WITH #10 SCREWS OR BUTION PUNCH AT 36" O.C. MAX.
- MINIMUM ATTACHMENT OF ROOF DECK: FASTEN TO ALL SUPPORTS WITH 5/8" DIA. FUSION WELDS AT ALL ENDS AND END LAPS, AT 12" O.C. AT ALL INTERMEDIATE. SUPPORTS AND EDGES PARALLEL WITH DECK FLUTES. FASTEN SIDE LAPS BETWEEN DECK UNITS WITH #10 SCREWS AT 24" O.C. MAX.

FOUNDATION AND SLAB ON GRADE NOTES:-

- ALL COLUMN / WALL FOOTINGS AND ELEVATOR PIT BASE IS DESIGNED TO BE SUPPORTED ON RAMMED STONE PIERS. ALL RAMMED STONE PIERS ARE DESIGNED BY CONTRACTOR.
- THE FOUNDATION FOR THE STRUCTURE HAS BEEN DESIGNED PER RECOMMENDATIONS OF GEOTECHNICAL REPORT BY XXXXXXXX DATED XXXX. FOR THE FOLLOWING ALLOWABLE SOIL BEARING PRESSURES AT A BEARING DEPTH OF APPROXIMATELY 36" BELOW FINISHED FLOOR.
 TOTAL LOAD.....XXXX PSF (NET) WITH RAMMED STONE PIERS.
 THIS INCLUDES WALL FOOTINGS AND FOOTINGS AND PAD FOOTINGS.
- EXCAVATIONS FOR SPREAD FOOTING AND CONTINUOUS FOOTINGS SHALL BE CLEARED AND HAND TAMPED TO A UNIFORM SURFACE. CONCRETE SHALL BE PLACED WITHIN 24 HOURS OF EXCAVATION OF THE FOOTING BEARING SURFACE.
- METHODS, PROCEDURES AND THE SEQUENCES (OTHER THAN THAT NOTED ON THE DRAWINGS) OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTION TO MAINTAIN AND INSURE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION AND COORDINATION OF WORK WITH MECHANICAL AND ELECTRICAL WORK.
- WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL COST.
- MINOR DETAILS OR INCIDENTAL ITEMS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR A PROPER AND COMPLETE INSTALLATION SHALL BE INCLUDED AS REQUIRED.
- COMPLETELY REMOVE ANY UNSUITABLE (DELETERIOUS) FILL BURIED DEBRIS AND EXTENDED ORGANIC MATERIAL IN THEIR ENTIRETY FROM BENEATH THE PROPOSED BUILDING FOOTPRINT AND AREAS EXTENDING FIVE (5) FEET OUTBOARD OF THE PROPOSED PERIMETER.
- COMPLETELY DEMOLISH AND REMOVE EXISTING STRUCTURAL ELEMENTS, GROUT, UTILITIES AND ASHALT BENEATH THE PROPOSED BUILDING AND AREAS EXTENDING FIVE (5) FEET OUTBOARD OF THE PROPOSED PERIMETER. COMPACTED STRUCTURAL FILL SHALL BE USED TO BACKFILL ANY EXCAVATION.
- SUBSEQUENT TO PERFORMING TASKS FROM 6 TO 8 AND PRIOR TO EXCAVATING ANY SPREAD FOOTINGS, HEAVY COMPACT (PROOF ROLL) THE EXCAVATED TWO (2) FEET UNDERCUT LEVEL WITH A MINIMUM OF SIX (6) PASSES OF MINIMUM TEN (10) TON STATIC WEIGHT COMPACTOR OPERATED IN VIBRATORY MODE. THREE PASSES SHALL BE PERFORMED IN ONE DIRECTION OF THE CONCRETE SUPPLIER AND PUMPER TO ENSURE PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTOZITERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR PROPER USE OF RETARDANTS AND OTHER ADDITIVES. USE OF CALCIUM E CHLORIDE OR OTHER CHLORIDE-BEARING SALTS SHALL NOT BE PERMITTED.
- EXCAVATION IS ADVISED WHILE COMPACTING NEAR AN EXISTING STRUCTURE IN THE ADJACENT LOTS. THE CONTRACTOR SHALL NOT BE USED IN VIBRATORY MODE WITHIN THE FIVE (5) FEET OF THE NEARBY EXISTING STRUCTURE. CONTINUOUS INSPECTION OF COMPACTOR OPERATION IS REQUIRED BY GEOTECHNICAL ENGINEER OF RECORD.
- SUBSEQUENT TO THE COMPACTION USE COMPACTED STRUCTURAL FILL TO BACKFILL THE IN-SITU UNDERCUT AND FOR ANY NEW FILL NEEDED TO ESTABLISH FINISH GRADES.
 A. CONTINUOUSLY LIQUIDED BURLAP
 B. WATERPROOF MEMBRANES
 C. SPRAYED-ON WATER MEMBRANE
- AT LEAST ONE WEEK PRIOR TO THE COMMENCING OF SPREAD FOOTING EXCAVATIONS, AT LEAST TWO (2) TEST PITS SHOULD BE EXCAVATED WITHIN THE PROPOSED BUILDING FOOTPRINT ARE TO THE SPREAD FOOTING BEARING ELEVATION TO OBTAIN REPRESENTATIVE SOIL SAMPLES FOR THE SPREAD FOOTING SUBGRADE TO BE TESTED IN ACCORDANCE WITH ASTM D-698 STANDARD PROCTER TEST.
- IMPORTED FILL, IF REQUIRED, SHOULD BE A CLEAN WELL-GRADED SAND AND GRAVEL, FREE OF ORGANIC MATERIAL AND CONTAMINATES, WITH A MAXIMUM PARTICLE SIZE OF THREE (3) INCHES, BETWEEN TEN (10) AND SEVENTY (70) PERCENT BY WEIGHT PASSING THROUGH NO. 200 STANDARD SIEVE SIZE. SUITABILITY SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D-422 STANDARD (PARTICLE SIZE ANALYSIS).
- COMPACT STRUCTURAL FILL IN MAXIMUM LOOSE LIFTS OF TEN (10) INCHES TO AT LEAST NINETY FIVE (95) PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED IN THE LABORATORY WHEN TESTED IN LABORATORY IN ACCORDANCE WITH THE ASTM D-1557 STANDARD.
- SLAB ON GRADE SHALL BE SUPPORTED ON COMPACTED AND DENSITY TESTED COMPACTED STRUCTURAL FILL FOLLOWING PROOF ROLLING AT THE TWO (2) FEET UNDERCUT LEVEL AND ON SUBBASE OF AT LEAST FOUR (4) INCHES OF COMPACTED N10D NO. 57 COARSE AGGREGATE (901.03) OR EQUIVALENT.

METAL PAN STAIRS:-

- METAL PAN STAIRS ARE DELEGATED DESIGN BY CONTRACTOR.
- STAIR STRINGERS, LANDINGS, CONNECTIONS, TREADS AND RISERS SHALL BE DESIGNED TO SUPPORT SELF WEIGHT OF STEEL, CONCRETE AND EGRESS LIVE LOADS OF 100 PSF.
- STAIR RAILINGS SHALL BE DESIGNED FOR 50 lb/h UNIFORM LOAD OR 200 lbs OF POINT LOAD.
- CONTRACTOR TO SUBMIT SIGNED AND SEALED STAIR DRAWINGS AND CALCULATIONS BY ILLINOIS LICENSED ENGINEER FOR REVIEW AND APPROVAL OF AOR/EOR.
- SEE SECTION ON S-200 SERIES DRAWINGS SHOWING LOCATION OF BOND BEAMS.

COLD FORMED (LIGHT GAGE) STEEL:-

- THE COLD FORMED STEEL FRAMING PRODUCT DESCRIPTIONS AND NOMENCLATURES SHOWN HEREIN, UNLESS NOTED OTHERWISE, ARE THOSE OF THE STEEL STUD MANUFACTURERS ASSOCIATION USING THEIR STANDARD Nomenclature. (E.G. 6005162-54 IS 6" STUD, 1" FLANGE WIDTH, AND 54 S MILS, OR 0.0054" OR 16 GAGE) UNLESS NOTED OTHERWISE, THE COLD FORMED FRAMING PRODUCTS SHALL BE MANUFACTURED FROM STEEL MEETING THE MINIMUM REQUIREMENTS OF THE FOLLOWING SPECIFICATION:
 16, 14 AND 12 GAGE STUDS AND ACCESSORIES: ASTM A653, Fy(min)=50 KSI 20 AND 18 GAGE STUDS AND ACCESSORIES: ASTM A653, Fy(min)=33 KSI 20, 18, 16, 14 AND 12 GAGE TRACK: ASTM C955, Fy(min)=33 KSI.
- PROVIDE GALVANIZED STEEL FRAMING ZINC COATED IN ACCORDANCE WITH ASTM C955, G-90 COATING CLASS. -CUSTOM MANUFACTURED PRODUCTS (I.E. BRAKE FORMED ACCESSORIES, CLIP ANGLES, ETC.) NOT LISTED IN THE REFERENCED MANUFACTURERS PRODUCT LITERATURE SHALL POSSESS BASE STEEL THICKNESSES NOT LESS THAN 95% OF THE FOLLOWING VALUES: 20 GAGE .0341 INCH 18 GAGE .0348 INCH 16 GAGE .0360 INCH 14 GAGE .0373 INCH 12 GAGE .0410 INCH
- UNLESS NOTED OTHERWISE, REFER TO LITERATURE PUBLISHED BY HILTI FASTENING SYSTEMS, INC., TULSA, OK, FOR KWIK-BOLT II EXPANSION BOLT CONCRETE ANCHORS AND POWDER ACTUATED FASTENER (PAF) CARRYING CAPACITIES AND INSTALLATION REQUIREMENTS.
- PRE-DRILLING OF CONCRETE SHALL BE IN STRICT ACCORDANCE WITH HILTI'S PRINTED INSTRUCTIONS. CONCRETE ANCHORS SHALL BE INSTALLED AFTER THE DESIGN COMPRESSIVE STRENGTH OF THE CONCRETE IS OBTAINED.
- UNLESS NOTED OTHERWISE, WHEN CONNECTIONS ARE SUBJECTED TO TENSION LOADS, INSTALL STEEL WASHERS BETWEEN THE CONNECTED PART AND THE HEAD OF THE FASTENER TO PREVENT PULLOVER OF THE BASE STEEL. OTHERWISE, CONSULT THE CONTRACT DOCUMENTS FOR WELD CLEANING.
- PAF'S FOR ATTACHEMENTS TO HOT ROLLED STEEL COMPONENTS SHALL POSSESS HILTI'S SHANKS. FULL TIP PENETRATION THROUGH THE STEEL COMPONENT IS REQUIRED. A 3/4 INCH MINIMUM EDGE DISTANCE SHALL BE MAINTAINED.
- PAF'S FOR ATTACHEMENTS TO CONCRETE SHALL BE OF ADEQUATE LENGTH TO ASSURE THE MINIMUM EMBEDMENT REQUIREMENTS DESCRIBED HEREIN, UNLESS NOTED OTHERWISE. A 3 INCH MINIMUM EDGE DISTANCE SHALL BE MAINTAINED. MULTIPLE FASTENERS SHALL NOT BE SPACED LESS THAN 4 INCHES APART.
- KWIK-BOLT II EXPANSION BOLT SHALL BE INSTALLED IN ACCORDANCE WITH THE MINIMUM CONCRETE EMBEDMENT LENGTHS, SPACING AND EDGE DISTANCES DEFINED HEREIN. PROVIDE BOLTS OF AN OVERALL LENGTH TO SATISFY THE MINIMUM EMBEDMENT REQUIREMENTS SHOWN. THE THREADED PORTION OF THE BOLT SHALL NOT BE IN CONTACT WITH THE EDGE OF THE CONNECTED STEEL PART.
- UNLESS NOTED OTHERWISE, REFER TO LITERATURE PUBLISHED BY ITW BULDEX, INC., ITASKA, IL, FOR SELF-DRILLING SCREW LOAD CARRYING CAPACITIES AND INSTALLATION REQUIREMENTS.
- SCREW PENETRATION THROUGH JOINED MATERIALS SHALL NOT BE LESS THAN THREE EXPOSED THREADS, WHERE SCREW ATTACHMENTS ARE MADE TO FRAMING COMPONENTS OF DIFFERENT THICKNESSES, THE THINNEST COMPONENT MUST BE PENETRATED FIRST. SELECT SCREWS WITH AN ADEQUATE CUTTING TIP TO ACCOMMODATE THE TOTAL THICKNESS TO BE DRILLED. DRILLING MUST BE COMPLETED BEFORE THE THREADS ENGAGE THE MATERIAL. MAINTAIN A MINIMUM 1/2 DISTANCE FROM EDGE OF STEEL TO CENTERLINE OF SCREW AND A MINIMUM SPACING OF 1" BETWEEN SCREWS. UNLESS NOTED OTHERWISE, CONSULT THE CONTRACT DOCUMENTS FOR MINIMUM COATING REQUIREMENTS OF SCREWS.
- THE FRAMING CONTRACTOR MAY SUBSTITUTE FASTENERS OF EQUIVALENT SPECIFICATIONS AND LOAD CARRYING CAPACITIES, PRIOR TO INSTALLATION, SUBMIT FOR APPROVAL TO HUSKIE'S ENGINEERING LLC THE CURRENT PRODUCT LITERATURE FROM THE SELECTED MANUFACTURER.
- WELDED CONNECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE "AWS D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES", CONSULT AWS PUBLICATION" WUC, WELDING ZINC COATED STEELS", DISCUSSING ARC WELDING PROCEDURES AND SAFE PRACTICES. MINIMUM WELD THICKNESSES: "1" AND THICKER IN OTHER DIRECTION. MATCH OR EXCEED THE THICKNESS OF THE THINNEST CONSTRUCTION PART UNLESS NOTED OTHERWISE, CONSULT THE CONTRACT DOCUMENTS FOR WELD CLEANING AND PAINTING REQUIREMENTS.
- MECHANICAL BRIDGING, SPACED AT THE INTERVALS DESCRIBED HEREIN, SHALL BE INSTALLED PRIOR TO THE ATTACHMENT OF FACING MATERIALS.
- INSTALLATION OF SHEATHING, WALLBOARD OR ANY OTHER COLLATERAL MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE PRODUCT MANUFACTURER'S SPECIFICATIONS, THE CURRENT ASTM STANDARD AND / OR GUIDELINES OUTLINED IN THE PROJECT'S CONTRACT DOCUMENTS.
- STUD ENDS MUST BE SQUARE CUT AND INSTALLED SEATED IN THE TOP AND BOTTOM TRACKS. EXCEPTION IS MADE WHERE THE STUD END TERMINATES AT A DEFLECTION TRACK IN WHICH CASE THE CONTRACTOR SHALL REFERENCE THE ACCOMPANYING DETAILS, UNIFORM AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE TRACK MEMBERS.
- FIELD CUTTING OF STEEL FRAMING MEMBERS SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT TO BE PERMITTED. WHERE REQUIRED, TEMPORARY BRACING SHALL BE PROVIDED AND REMAIN IN PLACE UNTIL WORK IS COMPLETELY STABILIZED.
- SPlicing OF FRAMING, OTHER THAN THE CONTINUOUS TRACK AT THE TOP AND BOTTOM OF THE WALL, IS NOT PERMITTED. SPlicing OF TRACK USED IN THE CONSTRUCTION OF THE JAMB, HEAD AND / OR SILL ASSEMBLIES OF FRAMED WALL OPENINGS IS NOT PERMITTED, EXCEPT AT LOCATIONS WHERE UNIFORM BEARING OF PERIMETER TRACK IS PROVIDED (I.E. AT CONTINUOUS BEAMS, CONCRETE, ETC.), THE TRACK ENDS SHALL TERMINATE AT A COMMON FRAMING MEMBER OR ABUTTING ENDS SHALL BE SPliced WITH STUD PIECES PER DETAILS SHOWN HEREIN.

MASONRY (BRICK AND CMU) NOTES:-

- CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ACI 530-95 AND ACI 530R-05, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY CONSTRUCTION AND COMMENTARY" LATEST EDITION.
- CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND UNLESS INDICATED BY THE ARCHITECTURAL DRAWINGS.
- MASONRY UNITS SHALL BE GRADE N, TYPE I, MEDIUM WEIGHT HOLLOW CONCRETE UNITS CONFORMING TO THE REQUIREMENTS OF ASTM C90. UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'm) OF 2000 PSI ON THE NET CROSS SECTIONAL AREA AT 28 DAYS. UNITS SHALL NOT BE INSTALLED PRIOR TO ATTAINING THE REQUIRED 28 DAY STRENGTH.
- CMU MORTAR SHALL BE OF TYPE N MINIMUM 2,500 PSI
- ALL GROUT SHALL BE OF MINIMUM F'c = 4000 PSI
- BOND BEAMS SHALL BE PROVIDED AT THE TOPS OF ALL CMU WALLS AND AT HORIZONTAL INTERVALS NOT TO EXCEED EIGHTEEN (18) TIMES THE WALL CMU THICKNESS, UNLESS INDICATED ON DRAWINGS. REINFORCE ALL BOND BEAMS WITH A MINIMUM 2 CONTINUOUS #4 BARS WITH MINIMUM 3000 PSI SMALL AGGREGATE CONCRETE (NOTE: MORTAR MIX DOES NOT CONSTITUTE GROUT). PROVIDE WALL ANCHORS TO ALL BUILDING COLUMNS AT MAXIMUM 48" VERTICAL AND AT ALL BOND BEAMS.
- SEE SECTION ON S-200 SERIES DRAWINGS SHOWING LOCATION OF BOND BEAMS.

NO.	BY:	DATE:	DESCRIPTION:
1	BRG	03/20/2024	REVISIONS PER CITY OF INDIANAPOLIS COMMENTS
2	BRG	07/26/2024	REVISIONS PER CITY OF INDIANAPOLIS COMMENTS SITE PLAN/UPDATED PER CIVIL DRAWINGS

ISSUES AND REVISIONS :

NO.	BY:	DATE:	DESCRIPTION:
1	BRG	03/20/2024	REVISIONS PER CITY OF INDIANAPOLIS COMMENTS
2	BRG	07/26/2024	REVISIONS PER CITY OF INDIANAPOLIS COMMENTS SITE PLAN/UPDATED PER CIVIL DRAWINGS

NOTE TO BUILDING DEPARTMENT:
 THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECTS ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
 © BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS DEVELOPMENT
 1756 NORTH AURORA ROAD
 NAPERVILLE, ILLINOIS

BR DESIGN & ARCHITECTURE
 ONE TRANS AM PLAZA DRIVE SUITE #120
 OAKBROOK TERRACE IL 60181
 PHONE: 708-508-7281

DRAFTSPERSON:
 BG
 APPROVED:
 BG
 PREPARED FOR:
 ASPHALT PAVING PROFESSIONALS DEVELOPMENT
 LOCATION:
 NAPERVILLE, IL
 JOB NUMBER:
 001-021417
 DATE:
 10/24/2024

SHEET NUMBER:
S-6.0

POWER PLAN GENERAL NOTES

- THE MINIMUM WIRE SIZE SHALL BE 12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE 10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4" 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A 1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, SECURITY, AUDIO/VISUAL CABLES AND VOICE AND DATA WIRING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALL.
- BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
- CIRCUIT NUMBERS ARE FOR CLARIFICATION ONLY. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
- REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
- ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
- VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
- REFER TO ELECTRICAL DETAILS SHEET FOR ADDITIONAL NOTES AND DETAILS.
- PROVIDE CIRCUIT BREAKER HANDLE TIES AT THE PANELBOARD FOR ALL MULTIWIRE BRANCH CIRCUITS AS A MEAN TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS PER REQUIREMENTS OF NEC.
- ELECTRICAL BOXES ON OPPOSITE SIDES OF A FIRE RESISTANT WALL ASSEMBLY SHALL BE MOUNTED NO LESS THAN 24" HORIZONTALLY FROM EACH OTHER OR SHALL BE WRAPPED WITH INTUMESCENT "PUDDY PADS".

DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

- CONNECT TO THE SWITCHED SIDE OF THE LIGHTING CIRCUIT IN THIS ROOM. OCCUPANCY SENSOR CONTROLLED.

DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC GENERAL NOTES

THE DEVELOPER SHALL SUPPLY THE DPU-E ENGINEER WITH CATALOG CUTS FOR ALL CT/METER EQUIPMENT (INCLUDING BUT NOT LIMITED TO METER SOCKETS, PT CABINET, CT CABINET, DISCONNECT CABINET) AND TRANSFORMER PAD/VAULT. THE CATALOG CUTS SHALL BE APPROVED BY DPU-E PRIOR TO PURCHASING.

THE CT/METER CABINET SHALL BE TOP FEED.

CT/METER EQUIPMENT ARE LONG LEAD TIME ITEMS AND DPU-E SHALL NOT BE HELD RESPONSIBLE FOR DELAYS RESULTING FROM NON-COMPLIANT CT/METER EQUIPMENT.

PLEASE PROVIDE NAME AND CONTACT INFORMATION FOR ELECTRICAL CONTRACTOR FOR THIS PROJECT.

DPU-E WILL PROVIDE, INSTALL, AND MAINTAIN THE TRANSFORMERS, ALL PRIMARY (15KV) CABLE AND CONDUIT, AND THE METERS AND INSTRUMENT TRANSFORMERS. DPU-E WILL ALSO MAKE THE FINAL CONNECTIONS IN THE TRANSFORMERS ONCE THE INSPECTION IS COMPLETE AND THE BUILDING IS READY TO BE ENERGIZED.

THE DEVELOPER IS RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING THE TRANSFORMER PAD/VAULT, ALL SERVICE LATERAL (480V) CABLE AND CONDUIT, THE SERVICE ENTRANCE EQUIPMENT INCLUDING THE CT/METER CABINET AND ALL BANKED METER SOCKETS.

THE DEVELOPER SHALL COORDINATE SITE CONSTRUCTION WITH DPU-E TO ALLOW ELECTRIC FACILITIES TO BE INSTALLED PRIOR PAVING AND CURBING. DPU-E REQUIRES 30 WORKING DAYS ADVANCE WRITTEN NOTICE PRIOR TO PAVEMENT INSTALLATION TO ALLOW FOR THE INSTALLATION OF ELECTRIC FACILITIES. GRADE ELEVATION MUST BE WITHIN 4" OF FINAL GRADING BEFORE ELECTRIC FACILITIES CAN BE INSTALLED.

ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-10-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE, WHICH REQUIRES A CONSTRUCTION FEE PAYMENT FOR INSTALLATION OF ELECTRIC FACILITIES.

AT ALL TIMES, THE CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN FOUR (4) FEET OF THE FRONT AND TWO (2) FEET OF THE SIDES OF THE METER. PER NAPERVILLE SERVICE RULES AND POLICIES 22.2.F.

CLEARANCE TO TRANSFORMER PAD SHALL BE 6' FROM ALL SIDES, 10' FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION, NO TREES, SHRUBS, OR OTHER OBSTACLES WILL BE ALLOWED WITHIN THIS AREA. TRANSFORMER PAD SHALL MAINTAIN MINIMUM CLEARANCE OF 20' FROM EGRESS POINTS. PER DPU-E SPECIFICATIONS C10-2130 AND C30-0016.

DPU-E REQUIRES A MINIMUM 5' OF SEPARATION BETWEEN ITS ELECTRIC FACILITIES AND ANY FIRE HYDRANTS STORM DRAINS, STORM SEWERS, WATER MAINS, GAS MAINS, ETC. THAT RUN PARALLEL TO ITS FACILITIES.

APPROVAL OF METERING EQUIPMENT BY DPU-E DOES NOT REMOVE YOUR RESPONSIBILITY TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF NAPERVILLE. DETERMINATION OF COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE WILL BE MADE BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT DEPARTMENT.

LABEL ALL METER SOCKETS WITH THE COMPLETE ADDRESS IN 1" LETTERS USING PERMANENT STICKERS. IN MULTIPLE METER BANKS, THE COMPLETE ADDRESS MAY BE ON THE DISCONNECT SWITCH AND THE SURE NUMBERS ON THE METER SOCKETS. THE ELECTRICAL SERVICE EQUIPMENT WILL NOT PASS INSPECTION WITHOUT APPROPRIATE ADDRESS LABELING.

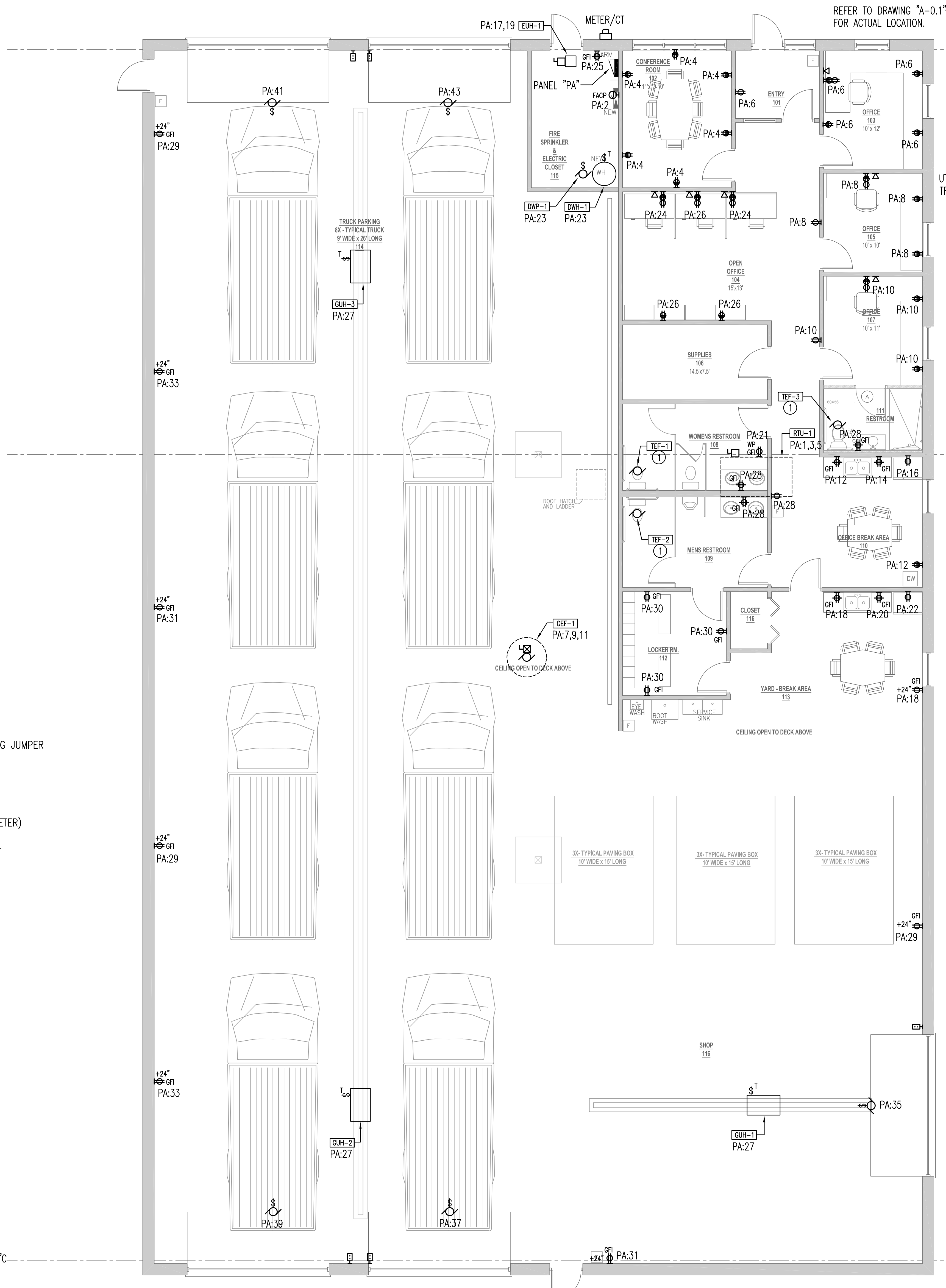
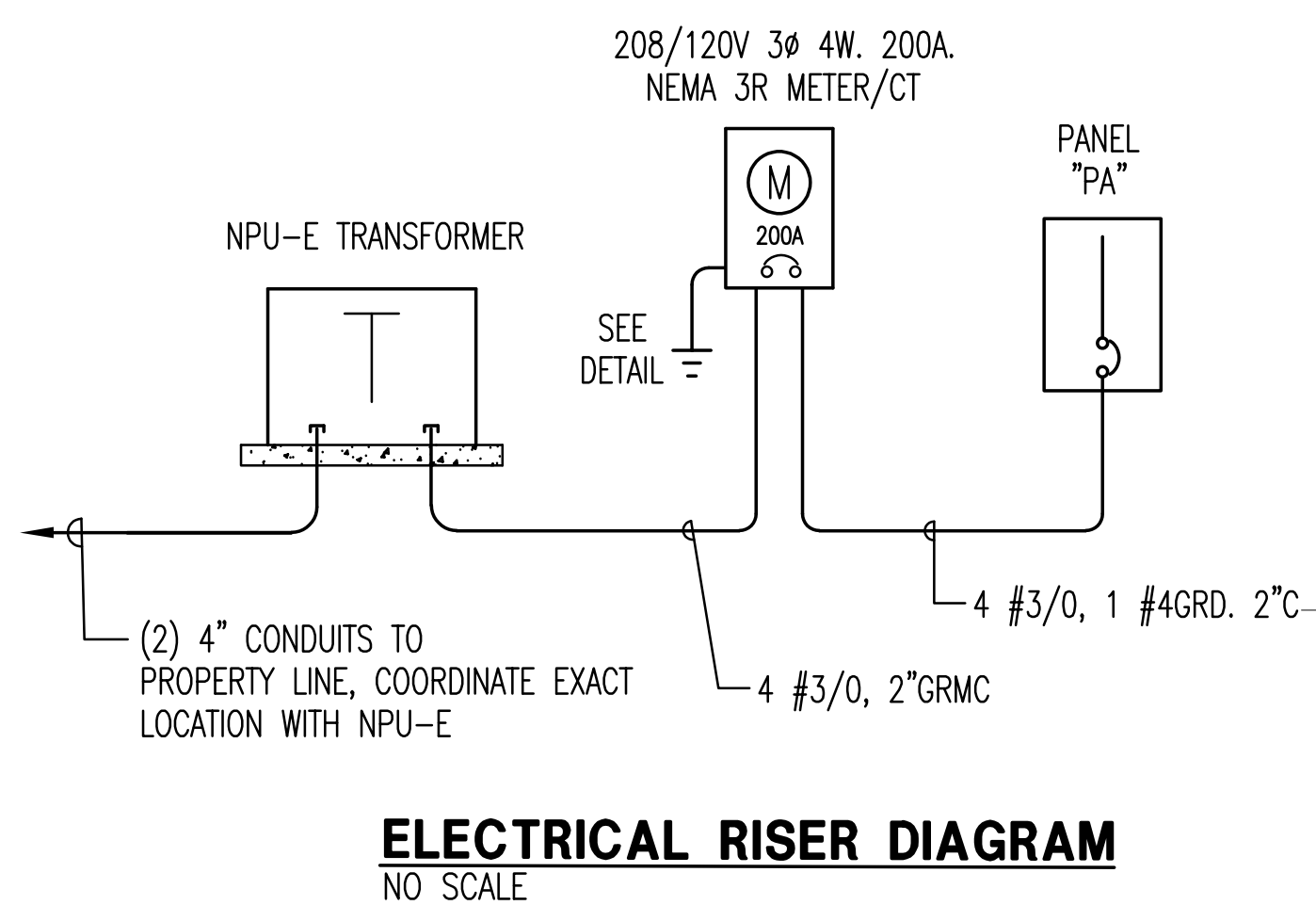
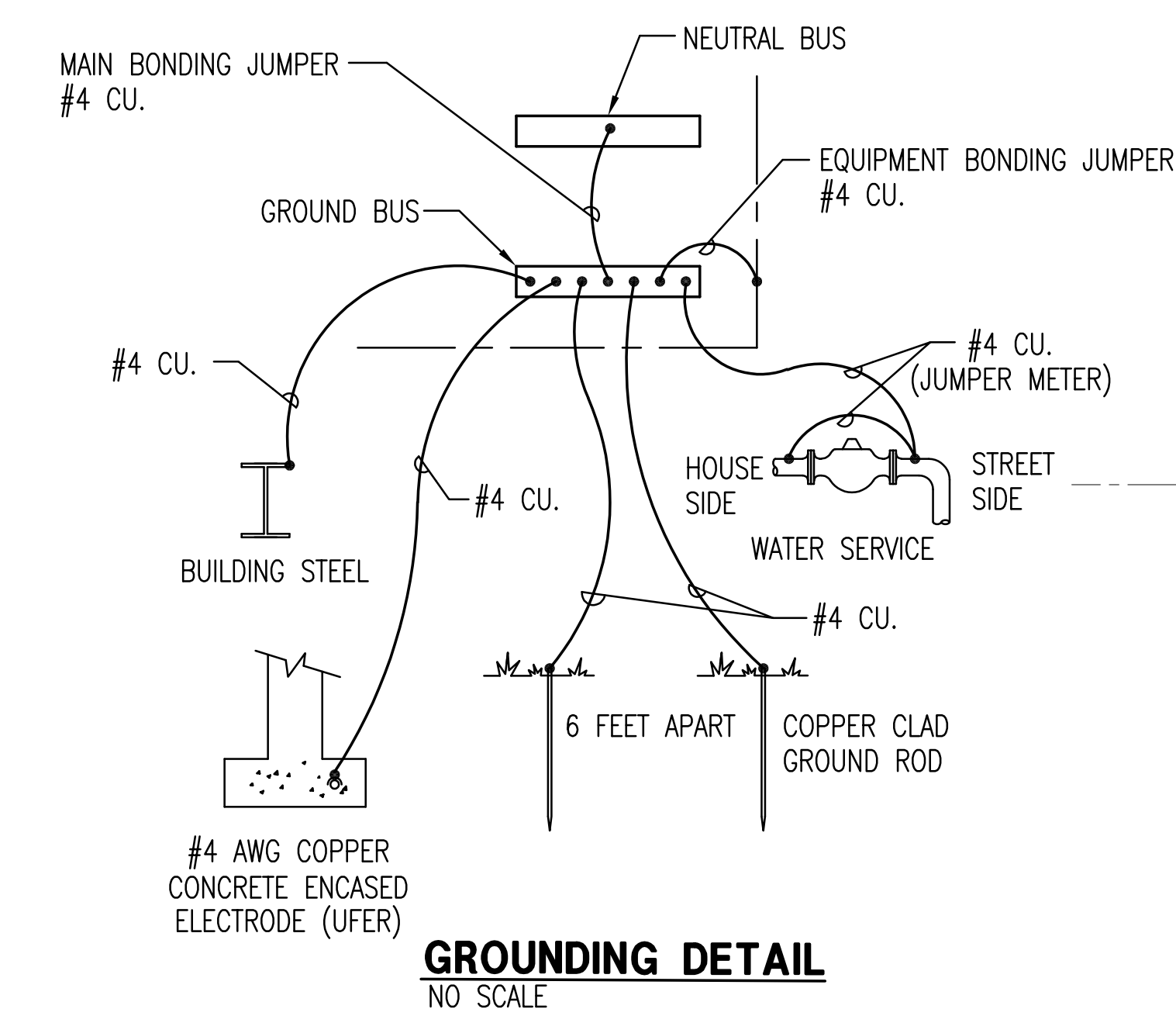
A CUSTOMER'S GROUNDING CONDUCTOR SHALL NOT BE CONNECTED TO DPU-E DISTRIBUTION EQUIPMENT.

DUE TO SUPPLY CHAIN ISSUES DPU-E IS EXPERIENCING LONG LEAD TIMES (+400 days) ON TRANSFORMERS. PLEASE TAKE THIS INTO CONSIDERATION WHEN PLANNING CONSTRUCTION.

THE DEVELOPER IS RESPONSIBLE FOR THE CONSTRUCTION AND INSTALLATION OF A TRANSFORMER PAD AND VAULT. THE DPU-E ENGINEER MUST BE INFORMED PRIOR TO THE INSTALLATION OF THE PAD AND VAULT. A MAIN DISCONNECT OR CIRCUIT BREAKER IS REQUIRED FOR DPU-E ACCESS IN CASE OF A NEED FOR SERVICE OR IN AN EMERGENCY. DPU-E SHALL MAKE THE FINAL CONNECTIONS OF THE CUSTOMER'S SERVICE TO THE TRANSFORMER TERMINALS. A MINIMUM OF EIGHT FEET OF ADDITIONAL CONDUCTOR LENGTH MUST BE LEFT ON THE CUSTOMER'S SERVICE CABLES.

THE TRANSFORMER IS LOCATED NEAR VEHICULAR TRAFFIC. DEVELOPER IS RESPONSIBLE FOR PROVIDING AND INSTALLING 8" BOLLARDS PER DPU-E SPECIFICATION C10-2222

PANEL SCHEDULE: "PA"				LOCATION: SPRINK/ELEC. RM1	C.B. RATING: 22 K.A.I.C.
VOLT: 208/120V 3Ø 4W.		MAINS: 200A M C/B		MOUNTING: SURFACE	TYPE: BOLT-ON
C/B	CIR. NO.	VA	VA	C/B	USE AND/OR AREA SERVED
RTU-1	1	4320	1250	20	F.A.C.P. (LOCK-ON)
	3	4320	1080	20	RECEPT - CONFERENCE ROOM
	5	4320	900	20	RECEPT - OFFICE 103
	7	745	900	20	RECEPT - OFFICE 105
	9	745	900	20	RECEPT - OFFICE 107
	11	745	360	20	RECEPT - BREAK RM COUNTER
	13	-	360	20	RECEPT - BREAK RM COUNTER
	15	-	360	20	RECEPT - REFRIGERATOR
	17	-	650	20	RECEPT - BREAK RM COUNTER
	19	1560	360	20	RECEPT - BREAK RM COUNTER
	21	180	650	20	RECEPT - REFRIGERATOR
	23	400	720	20	RECEPT - OPEN OFFICE
	25	180	720	20	RECEPT - OPEN OFFICE
	27	756	540	20	RECEPT - TOILET ROOMS
	29	540	540	20	RECEPT - LOCKER ROOM
	31	540	180	20	LTG - EXITS (PROVIDE LOCK-ON)
	33	540	868	20	LTG - OFFICE
	35	960	1225	20	LTG - TRUCK PARKING
	37	960	1225	20	LTG - TRUCK PARKING
	39	960	375	20	LTG - EXTERIOR, T.C.
	41	960	-	20	SPARE
	43	960	-	20	SPARE
	45	-	-	20	SPARE
	47	-	-	20	SPARE
	49	-	-	50	BUSSED SPACE
	51	-	-	52	BUSSED SPACE
	53	-	-	54	BUSSED SPACE
	55	-	-	56	BUSSED SPACE
	57	-	-	58	BUSSED SPACE
	59	-	-	60	BUSSED SPACE
TOTAL CONNECTED LOAD PER PHASE:		14080	12564	13590	TOTAL V.A. = 40,234 111.68 AMPS



POWER PLAN
3/16" = 1'-0"

ISSUES AND REVISIONS:

NO.	DATE	DESCRIPTION
1	10/23/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2		

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
GJR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS DEVELOPMENT
3756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

DRAFTSPERSON: BIL
APPROVED: BG
PREPARED FOR: ASPHALT PAVING PROFESSIONALS
LOCATION: NAPERVILLE, IL
JOB NUMBER:
DATE: 09/18/2024
SHEET NUMBER:
001-021417
STATE OF ILLINOIS

LIGHTING PLAN GENERAL NOTES:

1. THE MINIMUM WIRE SIZE SHALL BE 12 AWG EXCEPT FOR NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE 10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS SHALL BE 3/4" UNLESS OTHERWISE INDICATED LARGER. 1/2" CONDUIT WILL BE ACCEPTABLE FOR BRANCH WIRING TO LIGHTING FIXTURES WHERE APPLICABLE. ALL LIGHTING BRANCH CIRCUITS SHALL TERMINATE AT 20A. 1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS OTHERWISE NOTED.
2. PROVIDE LOCK-ON CIRCUIT BREAKER DEVICE FOR ALL EXIT SIGN BRANCH CIRCUITS.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.
4. CIRCUIT NUMBER(S) ARE SHOWN FOR A GUIDE ONLY. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD.
5. EMERGENCY BATTERY PACKS SHOWN ARE TO BE CONNECTED TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF LOCAL SWITCH U.N.O.
6. ALL LAY-IN FIXTURES SHALL BE INDEPENDENTLY SUPPORTED AT OPPOSITE CORNERS TO A STRUCTURAL MEMBER.
7. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BEND (360 DEGREE TOTAL) BETWEEN PULL POINTS.

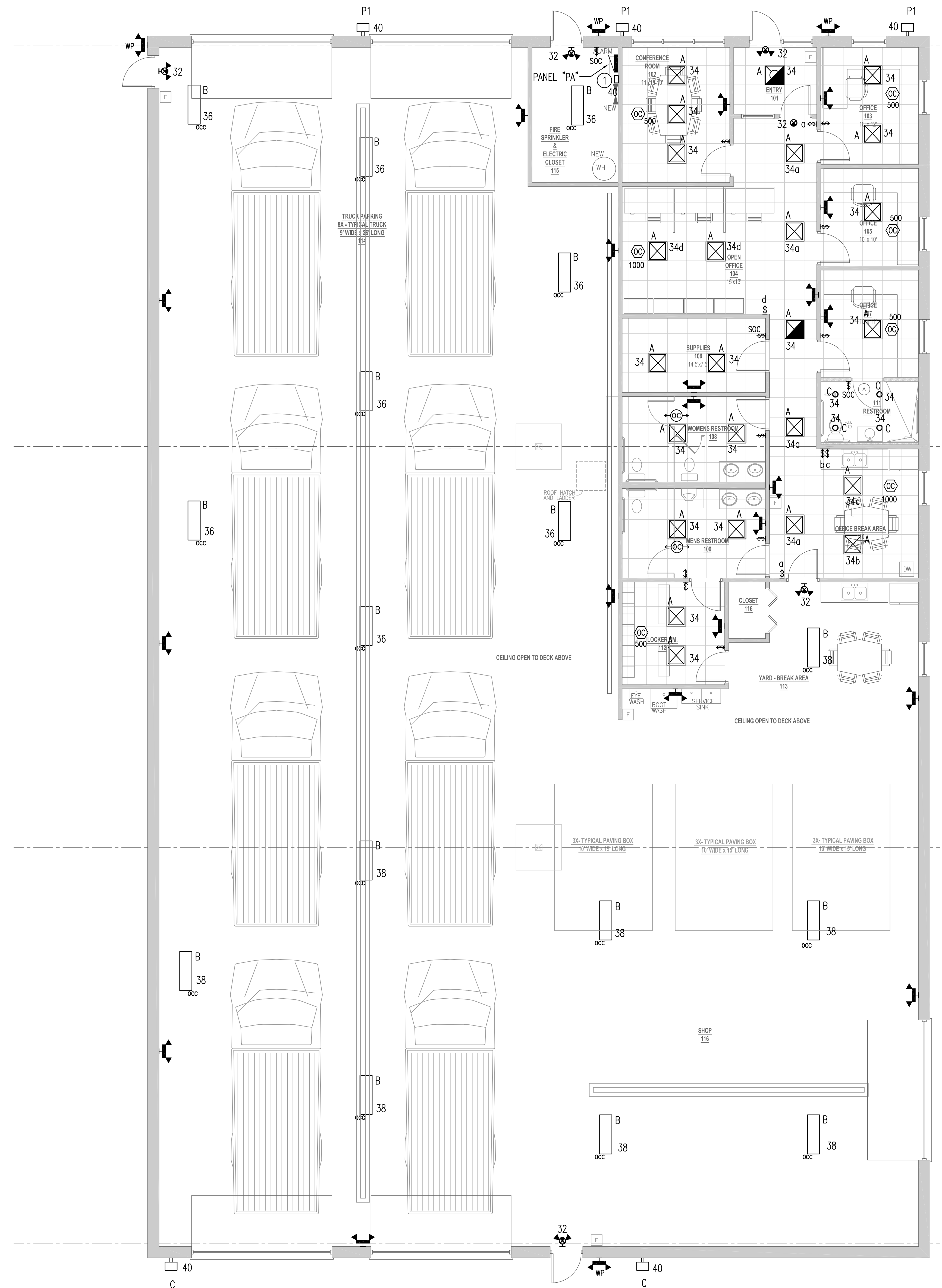
DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

- 1 PROVIDE DIGITAL, 7-DAY, PROGRAMMABLE, ASTRONOMICAL INTERMATIC TIME CLOCK WITH CONTACTOR IN NEMA 1 ENCLOSURE TO CONTROL EXTERIOR LIGHTING. PROGRAM PER OWNER REQUIREMENTS.

LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	MANUFACTURER & CATALOG NUMBER
A	2X2 LED TROFFER	RECESSED	31W LED	120V	TO SE SELECTED BY ARCHITECT/OWNER
B	LED HIGH-BAY WITH INTEGRAL OCCUPANCY SENSOR	PENDANT	175W LED	120V	TO SE SELECTED BY ARCHITECT/OWNER
C	6" LED DOWNLIGHT	RECESSED	22W LED	120V	TO SE SELECTED BY ARCHITECT/OWNER
P1	LED EXTERIOR WALL PACK, FULL CUT-OFF, SHIELDED, DARK SKY FRIENDLY WITH INTEGRAL PHOTOEYE AND TIME CLOCK CONTROL	SURFACE	100W LED	120V	TO SE SELECTED BY ARCHITECT/OWNER
P2	LED SIRE FIXTURE ON 28" ALUMINUM POLE INTEGRAL PHOTOEYE AND TIME CLOCK CONTROL	POLE	200W LED	120V	TO SE SELECTED BY ARCHITECT/OWNER

EXIT SIGN & EMERGENCY LIGHTING SCHEDULE					
SYMBOL	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	MANUFACTURE & CATALOG NUMBER
	EMERGENCY EXIT SIGN, SINGLE FACE, HOUSING WITH WHITE FINISH AND RED LETTERS, NICKEL CADMIUM, FIELD KNOCKOUT ARROWS AS REQUIRED.	BACK	LONG LIFE LED	120V.	TO SE SELECTED BY ARCHITECT/OWNER
	EMERGENCY EXIT SIGN EMERGENCY LIGHT COMBO, SINGLE FACE, HOUSING WITH WHITE FINISH AND RED LETTERS, NICKEL CADMIUM, FIELD KNOCKOUT ARROWS AS REQUIRED.	BACK	LONG LIFE LED	120V.	TO SE SELECTED BY ARCHITECT/OWNER
	DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY POLYCARBONATE ENCLOSURE, WALL MOUNTED	SURFACE WALL	LONG LIFE LED	120V.	TO SE SELECTED BY ARCHITECT/OWNER
	DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY POLYCARBONATE ENCLOSURE, WALL MOUNTED, WEATHER PROOF	SURFACE	LED	120V.	TO SE SELECTED BY ARCHITECT/OWNER

NOTE: ALL EXTERIOR EMERGENCY LIGHTING WILL NOT BE UTILIZED UNLESS NORMAL POWER IS NOT BEING PROVIDED TO THE BUILDING.



A LIGHTING PLAN
3/16" = 1'-0"

ISSUES AND REVISIONS:	
NO.	DESCRIPTION
1	DATE: 10/23/2024
2	BY: EBO
	REVISIONS PER CITY OF NAPERVILLE COMMENTS

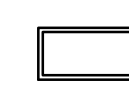
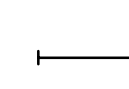




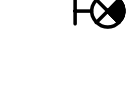

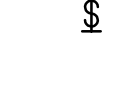
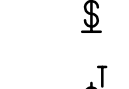
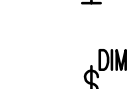

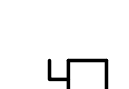









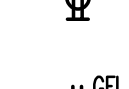
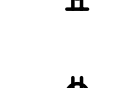










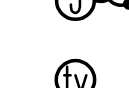

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS DEVELOPMENT
1756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

DRAFTSPERSON:
BIL
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS
BY: BRADLEY GOULD
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
09/19/2024

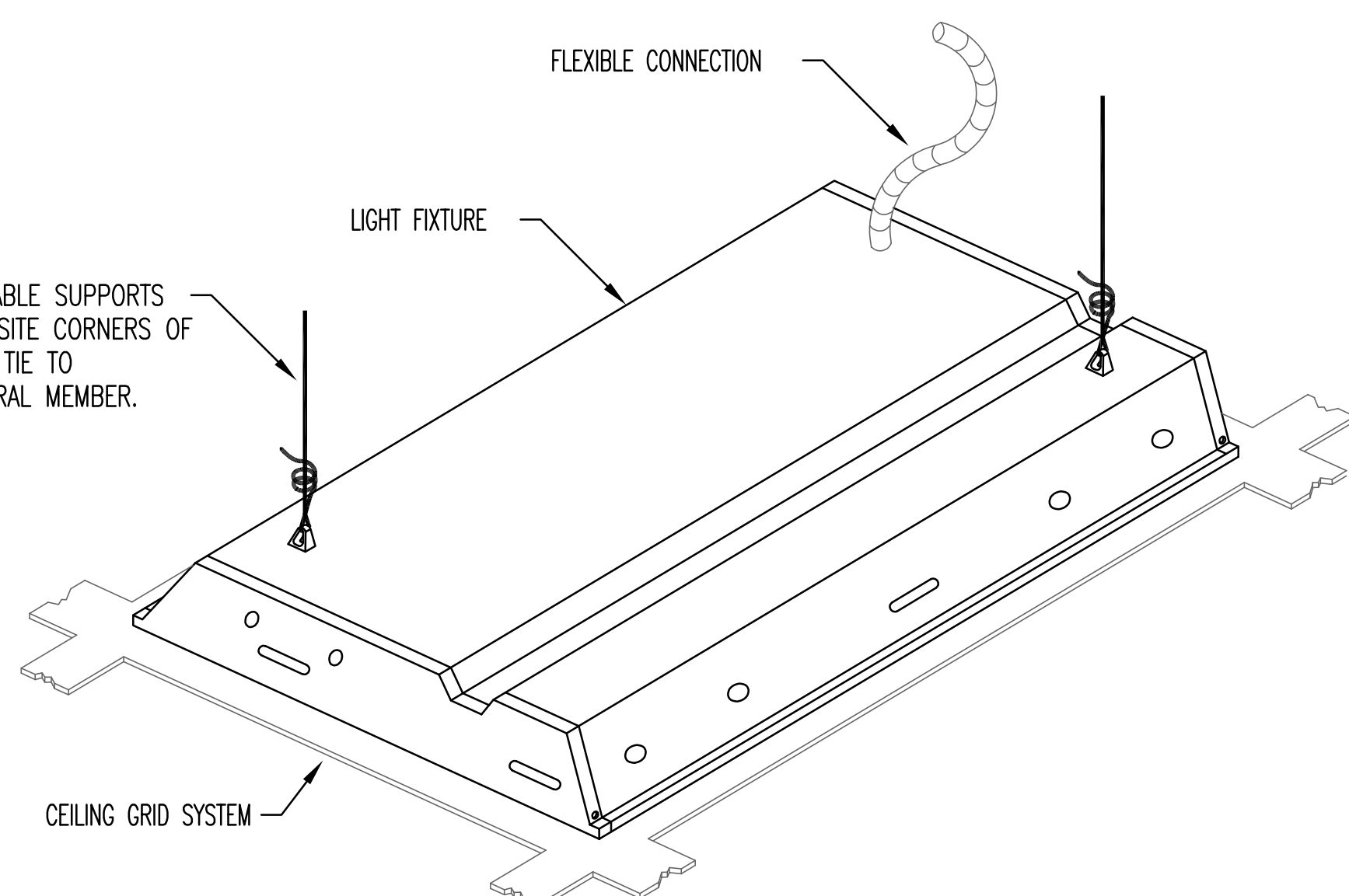
SHEET NUMBER:
E-3.0

ELECTRICAL SYMBOL LIST

-  2' X 4' LED LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE.
-  4' LED STRIP LUMINAIRE, PER LUMINAIRE SCHEDULE.
-  WALL MOUNTED LED LUMINAIRE PER LUMINAIRE SCHEDULE.
-  LED LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE.
-  HALF SHADING DENOTES UNSWITCHED LUMINAIRE. (NIGHTLIGHT)
-  EMERGENCY EXIT SIGN, SURFACE CEILING MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
-  EMERGENCY EXIT SIGN, SURFACE WALL MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
-  SELF-CONTAINED EMERGENCY LIGHTING FIXTURE, WITH BATTERY BACK-UP AND SOLID STATE CHARGER PER LIGHTING FIXTURE SCHEDULE.
-  SINGLE POLE ACUITY LOW VOLTAGE SWITCH COMPATIBLE WITH OCCUPANCY SENSOR. 120/277V TOGGLE SWITCH WHERE NOT OCCUPANCY SENSOR IS PRESENT.
-  SINGLE POLE 20 AMP 120/277 VOLT TOGGLE SWITCH WITH PILOT LIGHT INSTALLED 48" A.F.F.
-  MANUAL MOTOR STARTER, THERMAL OVERLOAD TOGGLE SWITCH.
-  PROVIDE SLIDE TYPE DIMMER SWITCH COMPATIBLE WITH THE LED LIGHT/DRIVER
-  THREE-WAY ACUITY LOW VOLTAGE SWITCH COMPATIBLE WITH OCCUPANCY SENSOR. 120/277V TOGGLE SWITCH WHERE NOT OCCUPANCY SENSOR IS PRESENT.
-  NON-FUSED SAFETY DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
-  FUSED DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
-  DATA JACK.
-  VOICE JACK.
-  SURFACE MOUNTED EXPOSED CONDUIT.
-  FURNITURE FEED POKE-THRU DEVICE.
-  MULTI-SERVICE POKE-THRU DEVICE WITH DUPLEX RECEPTACLE AND PROVISIONS FOR DATA.
-  120V. 20 AMP TAMPER RESISTANT DUPLEX RECEPTACLE WITH TYPE A AND TYPE-C USB CHARGERS
-  DUPLEX RECEPTACLE CEILING MOUNTED
-  20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE NEMA 5-20R INSTALLED 16" A.F.F. UNLESS NOTED OTHERWISE
-  SAME AS ABOVE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER (GFI).
-  20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE NEMA 5-20R INSTALLED 42" A.F.F. UNLESS NOTED OTHERWISE.
-  SAME AS ABOVE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER (GFI).
-  TWO 20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT TAMPER RESISTANT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R INSTALLED 16" A.F.F. UNLESS NOTED OTHERWISE.
-  TWO 20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT TAMPER RESISTANT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R INSTALLED 18" A.F.F. UNLESS NOTED OTHERWISE. ONE DUPLEX RECEPTACLE SHALL BE WIRED SO THAT RECEPTACLE IS "CONTROLLED" VIA THE LIGHTING OCCUPANCY SENSOR AUXILIARY CONTACTS AND BOTTOM IS ALWAYS HOT PER I.E.C.C. 2021 C40511.1. PROVIDE PERMANENT LABEL FOR CONTROLLED SIDE TO RECEPTACLE TO READ "CONTROLLED".
-  TWO 20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT TAMPER RESISTANT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R INSTALLED 18" A.F.F. UNLESS NOTED OTHERWISE. ONE DUPLEX RECEPTACLE SHALL BE WIRED SO THAT RECEPTACLE IS "CONTROLLED" VIA THE LIGHTING OCCUPANCY SENSOR AUXILIARY CONTACTS, OTHER DUPLEX IS ALWAYS HOT PER I.E.C.C. 2021. PROVIDE PERMANENT LABEL FOR CONTROLLED RECEPTACLE TO READ "CONTROLLED".
-  PROVIDE SPECIAL PURPOSE RECEPTACLE PER EQUIPMENT MANUFACTURES REQUIREMENTS.
-  CIRCUIT BREAKER PANELBOARD.
-  MOTOR CONNECTION, HORSEPOWER, VOLTAGE AND PHASE AS NOTED.
-  CEILING JUNCTION BOX.
-  WALL MOUNTED JUNCTION BOX.
-  JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL CONNECTION TO EQUIPMENT.
-  WALL MOUNTED JUNCTION BOX WITH 1" CONDUIT FOR A/V OR TV CABLING.

BRANCH CIRCUIT WIRING					
BREAKER/FUSE	MIN. WIRE SIZE	BREAKER/FUSE	MIN. WIRE SIZE	BREAKER/FUSE	MIN. WIRE SIZE
15	#12	80	#3	300	350 kcmil
20	#12	90	#3	350	500 kcmil
25	#10	100	#2	400	600 kcmil
30	#10	110	#1	450	(2) 250 kcmil
35	#8	125	1/0	500	(2) 250 kcmil
40	#8	150	1/0	600	(2) 350 kcmil
45	#8	175	2/0	700	(2) 400 kcmil
50	#8	200	3/0	800	(2) 600 kcmil
60	#4	225	4/0	1200	(3) 600 kcmil
70	#4	250	250 kcmil	1600	(4) 600 kcmil

THIS CONTRACTOR SHALL SIZE ALL CONDUCTORS SO THAT NO RUN EXCEEDS 2% VOLTAGE DROP FOR FEEDERS AND 3% FOR BRANCH CIRCUITS.



LIGHT FIXTURE SUPPORT DETAIL
NO SCALE

ELECTRICAL ABBREVIATIONS

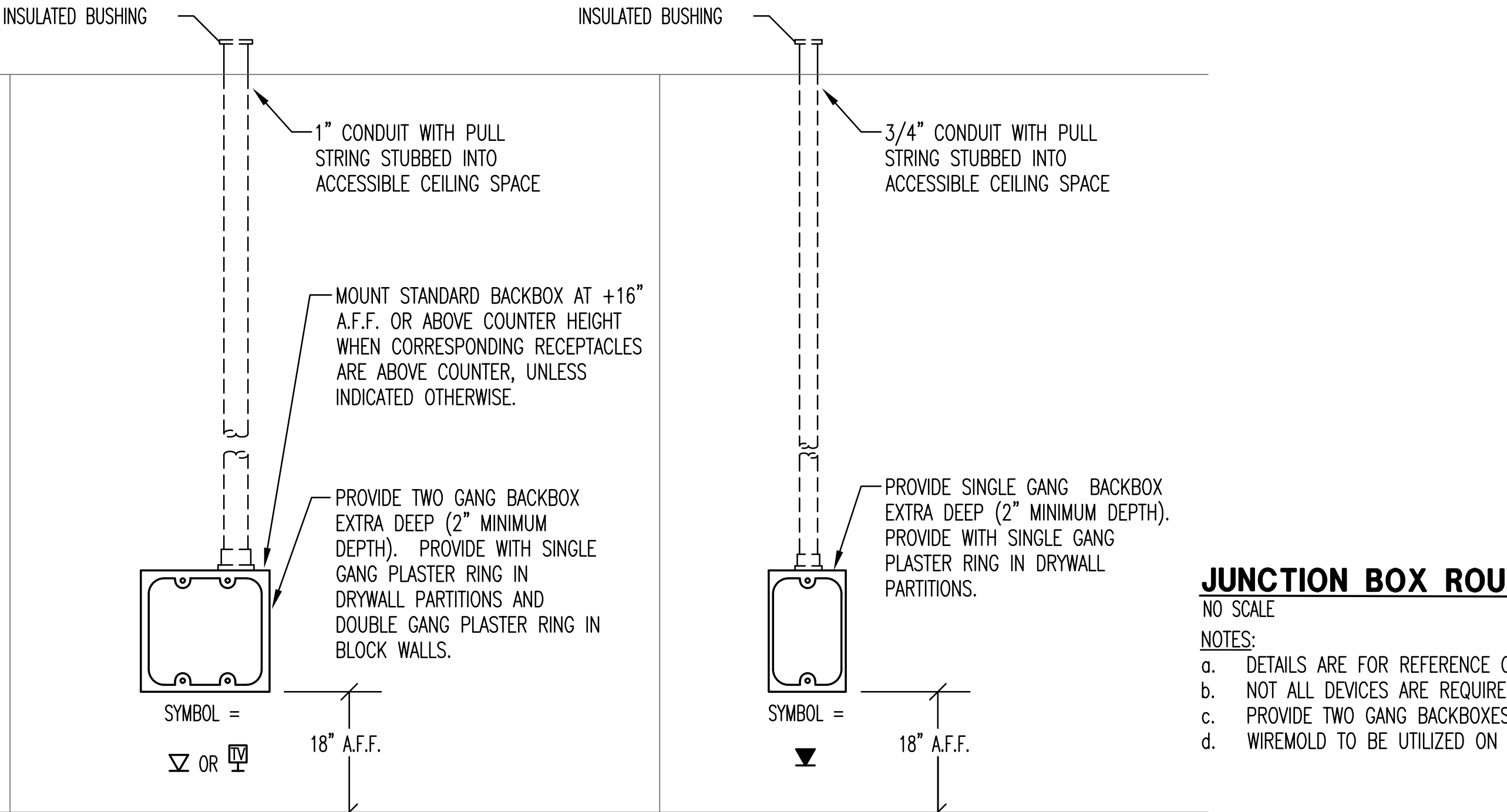
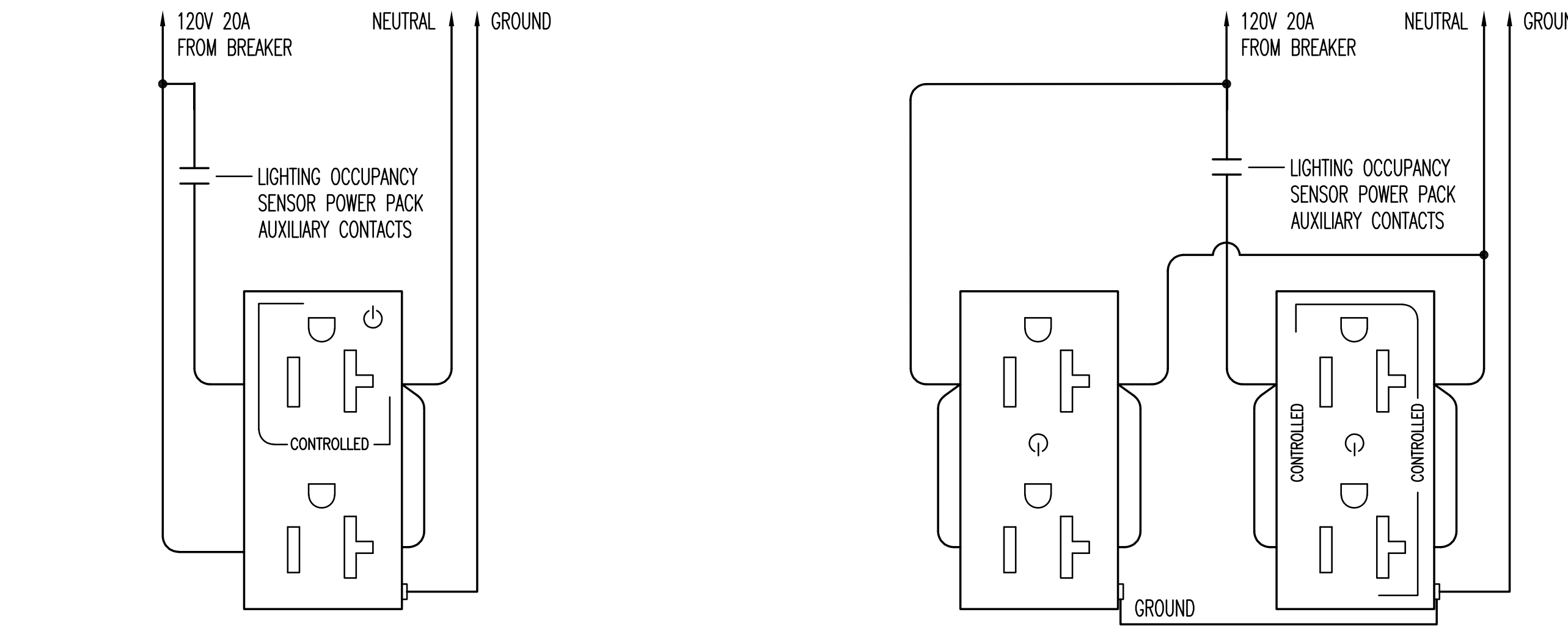
A.F.F.	ABOVE FINISH FLOOR	VA	VOLT - AMPERES
C	CONDUIT	W	WATTS OR WIRE
C/B	CIRCUIT BREAKER	WP	WEATHER PROOF
E.C.	ELECTRICAL CONTRACTOR	XFMR	TRANSFORMER
GFI	GROUND FAULT CIRCUIT INTERRUPTER	IP	SINGLE POLE
HP	HORSEPOWER	2P	TWO POLE
MCA	MINIMUM CIRCUIT AMPS	3P	THREE POLE
MCB	MAIN CIRCUIT BREAKER	PH	PHASE
MLO	MAIN LUGS ONLY	Ø	PHASE
U.N.O.	UNLESS NOTED OTHERWISE	GRD.	GROUND
V	VOLTS	UNV	UNIVERSAL VOLTAGE BALLAST
		N.I.C.	NOT IN CONTRACT

DUPLEX CONTROLLED RECEPTACLE DETAIL

NO SCALE
SYMBOL = 

QUAD CONTROLLED RECEPTACLE DETAIL

NO SCALE
SYMBOL = 



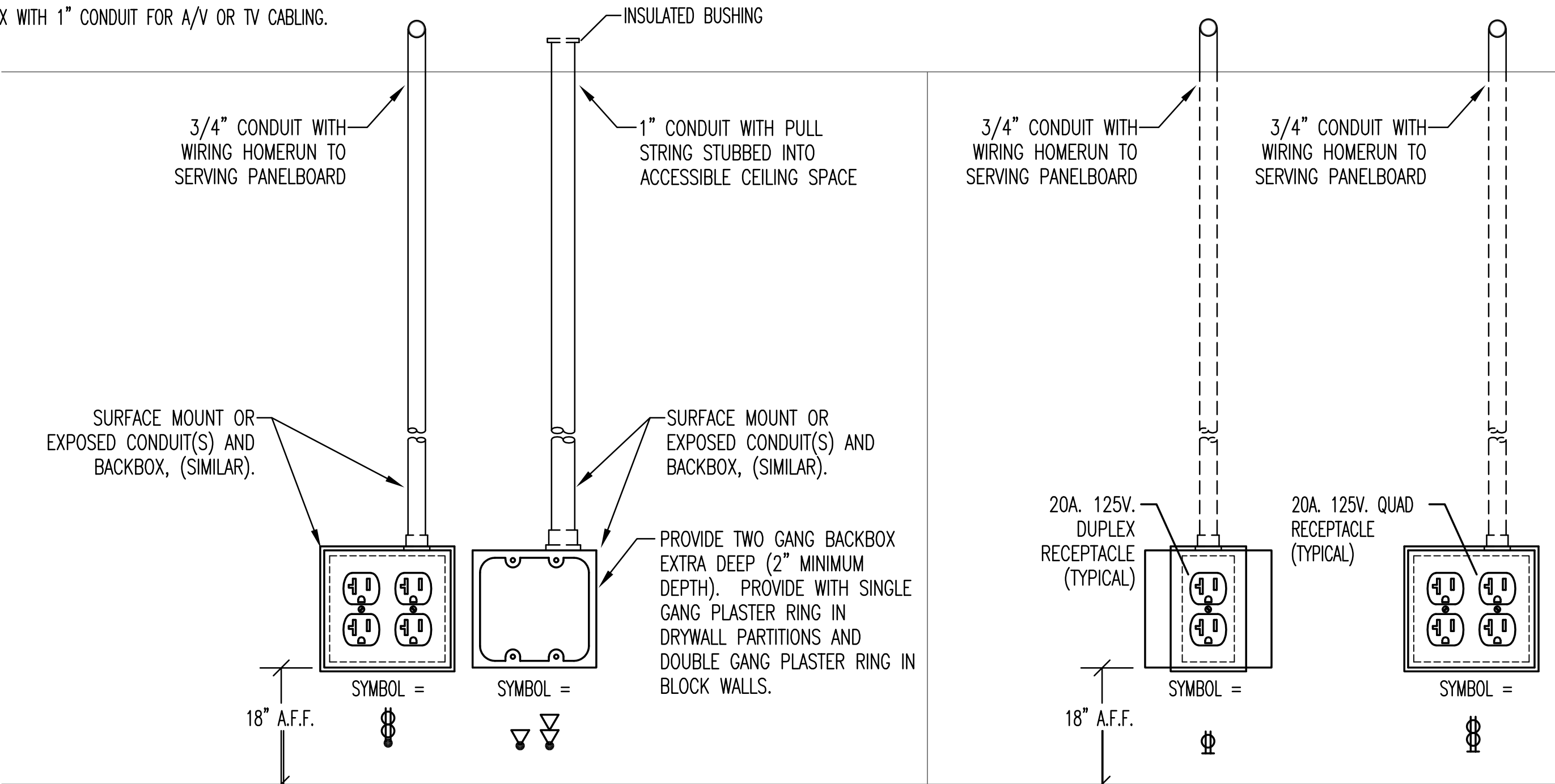
JUNCTION BOX ROUGH-IN DETAIL

NO SCALE

- NOTES:
- DETAILS ARE FOR REFERENCE ONLY.
 - NOT ALL DEVICES ARE REQUIRED FOR THIS PROJECT.
 - PROVIDE TWO GANG BACKBOXES (2" MINIMUM DEPTH) WITH ALL RECEPTACLE OUTLETS.
 - WIREMOLD TO BE UTILIZED ON EXISTING WALLS IN PUBLIC AREAS.

MOUNTING HEIGHT NOTE

REFER TO ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES BEFORE ROUGH-IN.

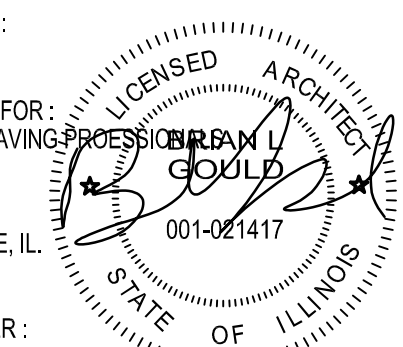


ISSUES AND REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:
1	EBD	10/23/2024	REVISIONS PER CITY OF NAPERVILLE COMMENTS
2			

NOTE TO BUILDING DEPARTMENT:
THESE DOCUMENTS (PLANS & SPECIFICATIONS) ARE VALID FOR PERMITS ONLY WHEN THE ARCHITECT'S ORIGINAL SEAL AND SIGNATURE APPEARS AND IS AFFIXED, AND UNLESS OTHERWISE PROVIDED IN WRITING ARE INTENDED AS A PERMIT SUBMITTAL FOR ONE (1) BUILDING ONLY.
© BR Design & Architecture 2024

ASPHALT PAVING PROFESSIONALS DEVELOPMENT
3756 NORTH AURORA ROAD
NAPERVILLE, ILLINOIS

DRAFTSPERSON:
BIL
APPROVED:
BG
PREPARED FOR:
ASPHALT PAVING PROFESSIONALS
BY: 
LOCATION:
NAPERVILLE, IL
JOB NUMBER:
DATE:
09/19/2024

