

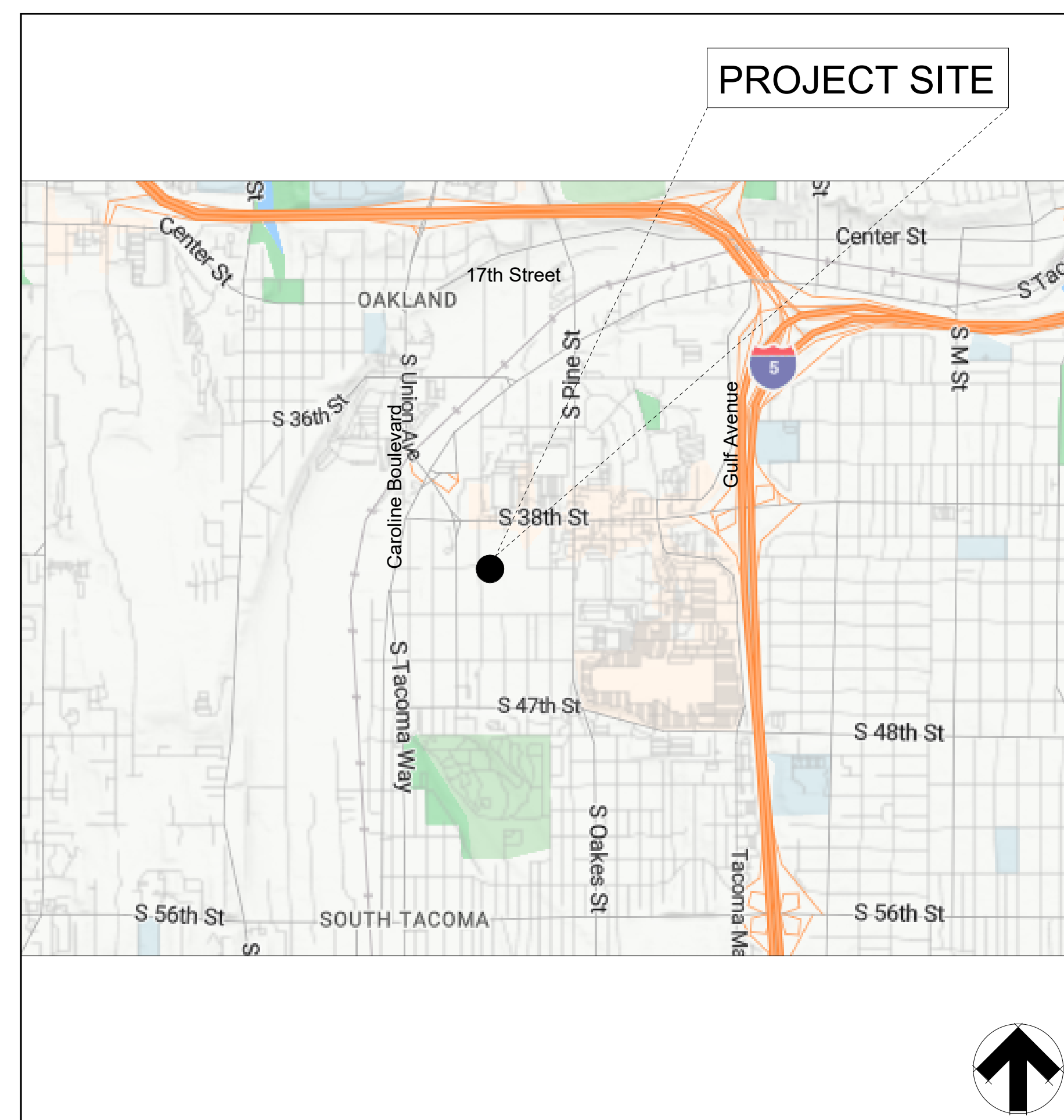
TACOMA  
 3825 S WARNER ST  
 TACOMA, WA 98409  
 VMF NGDV-EV UPGRADE

USPS FACILITIES R&A TEAM  
 475 L'ENFANT PLAZA SW  
 WASHINGTON DC, 20260-0004

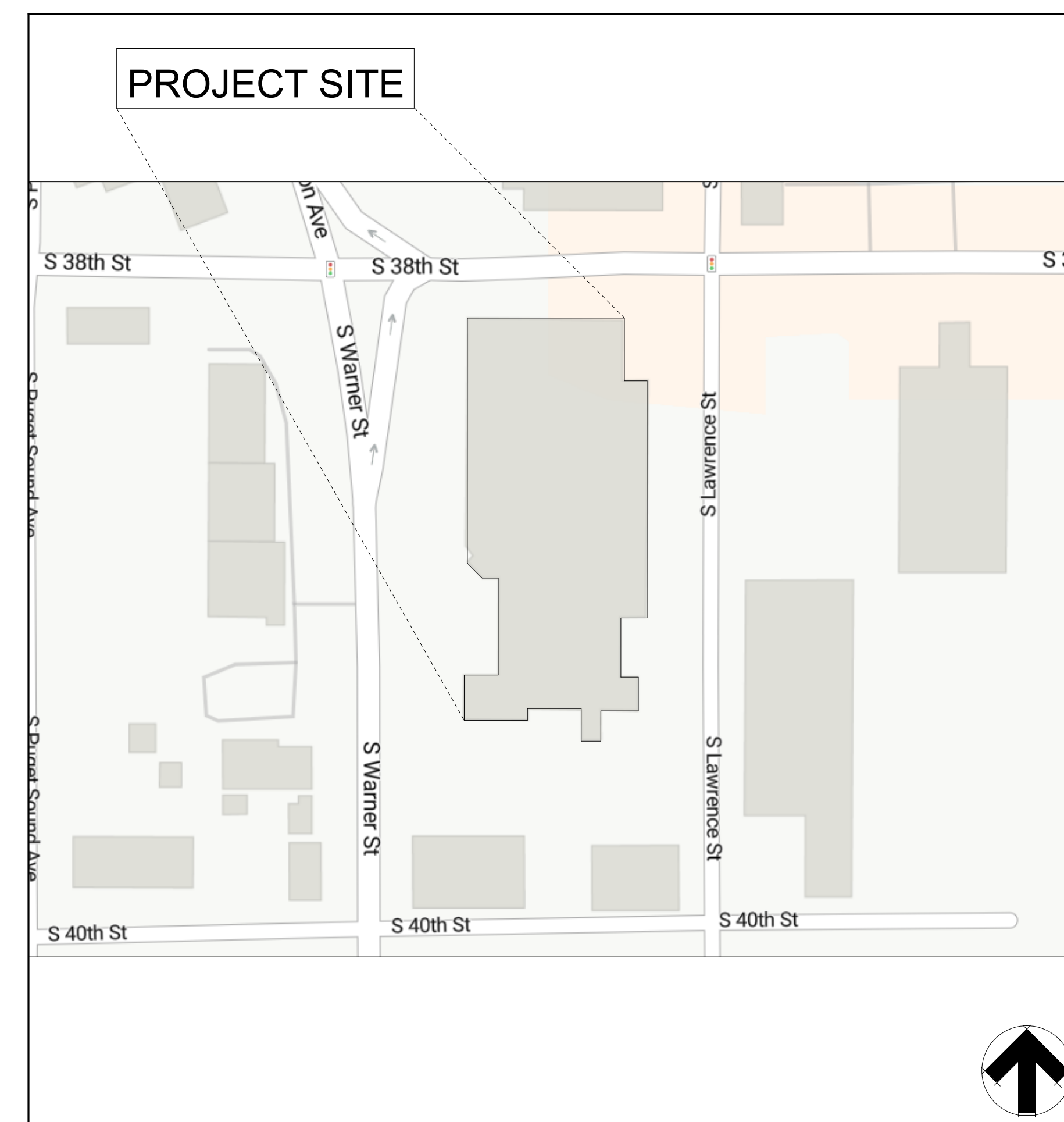
FINANCE NUMBER: 548330-005  
 PROJECT NUMBER: E10234  
 DATE: Jan 26, 2024 90% DESIGN SUBMITTAL



VICINITY MAP



LOCATION MAP

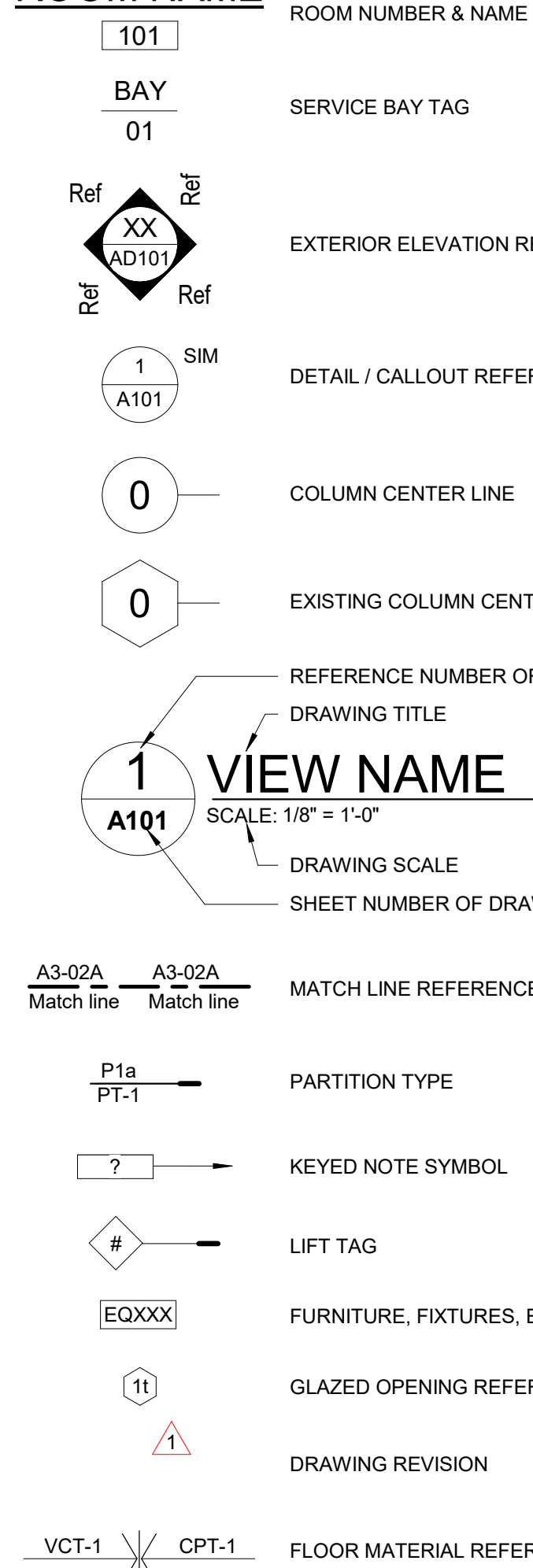


ABBREVIATIONS

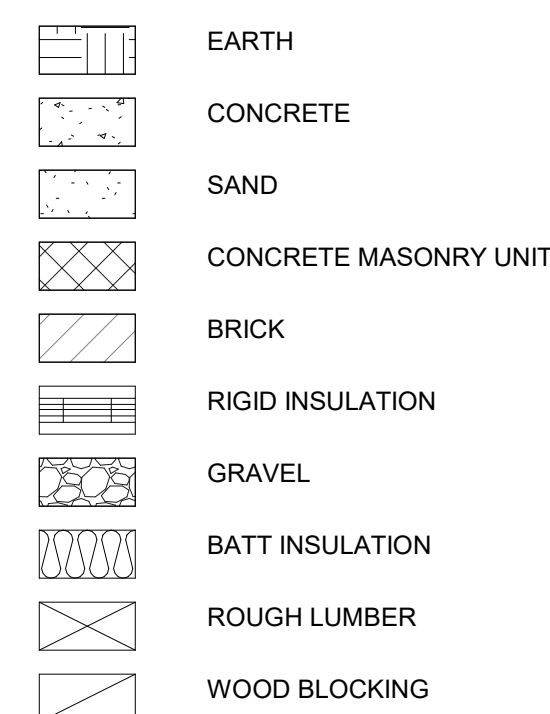
Table of abbreviations and their corresponding full names, organized in three columns. Includes terms like A.C.T., A.D., A.F.F., etc., and their meanings.

ARCH. GRAPHIC SYMBOLS

ROOM NAME



MATERIALS LEGEND



GENERAL NOTES

- List of general notes for the project, numbered 1 through 27. Notes cover topics like existing conditions, dimensions, finishes, and safety.

SHEET INDEX

Table with columns for SHEET NUMBER and SHEET NAME.

GENERAL

Table listing general notes: G001 COVER SHEET, G002 GENERAL INFORMATION, G003 LIFE SAFETY PLAN.

CIVIL

Table listing civil notes: C001 GENERAL NOTES, C0100 EXISTING CONDITIONS AND DEMOLITION PLAN, C200 PROPOSED CONDITIONS, C500 DETAILS.

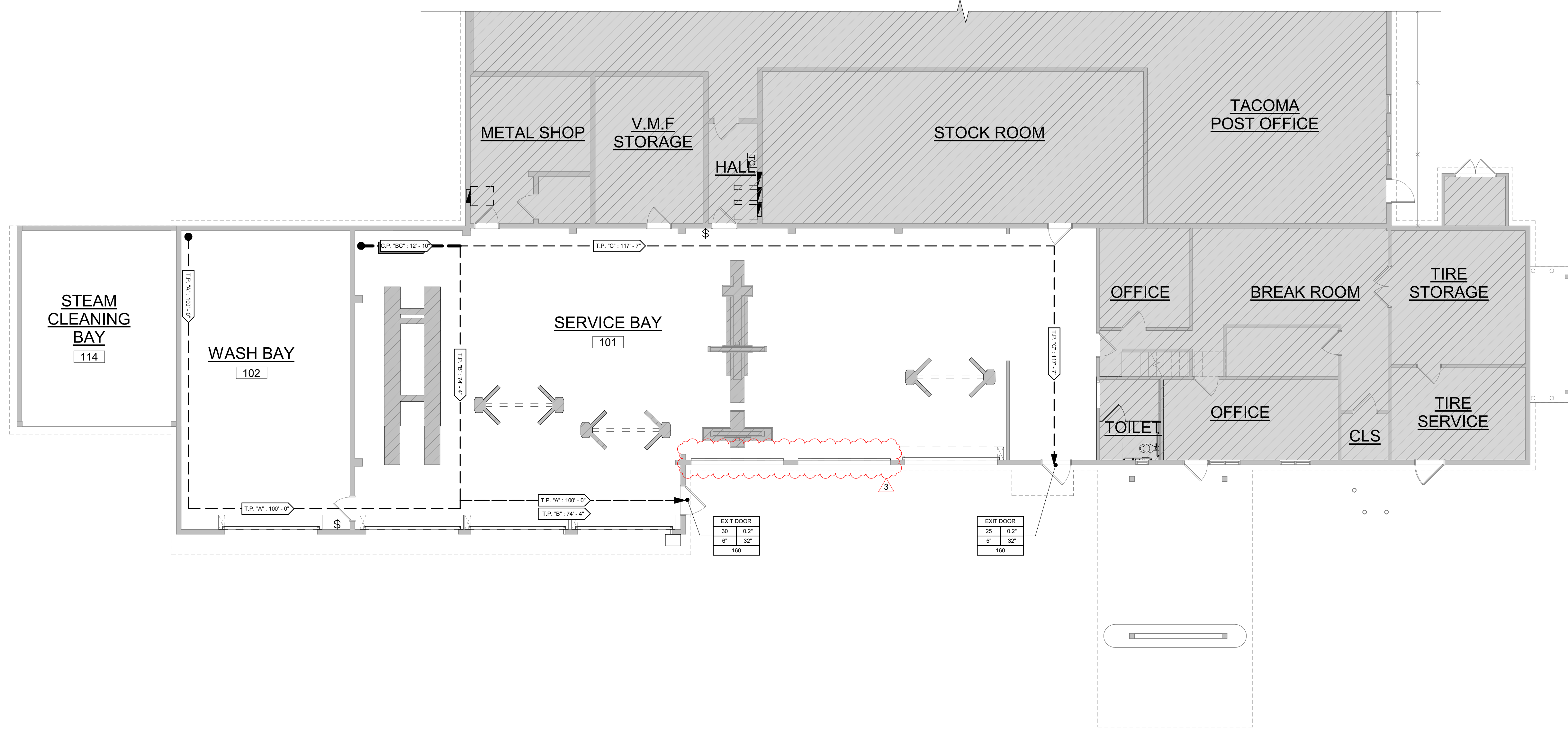
ARCHITECTURAL

Table listing architectural notes: A001 SCHEDULES, AD100 OVERALL FIRST FLOOR & MEZZANINE DEMOLITION PLAN, AD150 OVERALL FIRST FLOOR & MEZZANINE DEMOLITION REFLECTED CEILING PLAN, A100 OVERALL PROPOSED FIRST FLOOR & MEZZANINE FLOOR PLAN, A150 OVERALL PROPOSED FIRST FLOOR & MEZZANINE REFLECTED CEILING PLAN, A200 EXTERIOR ELEVATIONS, A500 DETAILS.

ELECTRICAL

Table listing electrical notes: E001 ELECTRICAL GENERAL INFORMATION, E001.R ELECTRICAL GENERAL INFORMATION, ES100 ELECTRICAL SITE PLAN, ES100.R ELECTRICAL SITE PLAN, ED100 ELECTRICAL DEMOLITION PLAN, ED100.R ELECTRICAL DEMOLITION PLAN, E100 ELECTRICAL POWER & LIGHTING PLANS, E100.R ELECTRICAL POWER & LIGHTING PLANS, E400 ELECTRICAL ONE-LINE DIAGRAM, E400.R ELECTRICAL ONE-LINE DIAGRAM, E401 ELECTRICAL SCHEDULES.

**1** FIRST FLOOR LIFE SAFETY PLAN  
 G003 SCALE: 1/8" = 1'-0"



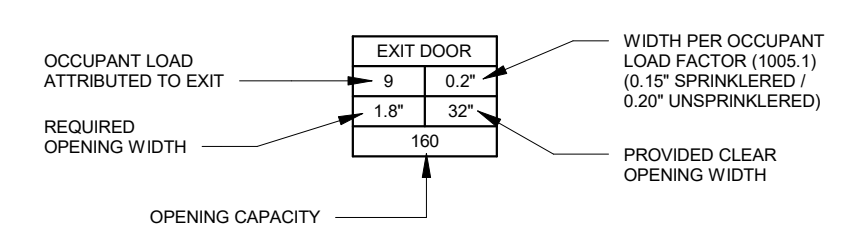
**GENERAL NOTES**  
 REFER TO G.002 FOR GENERAL NOTES

- REFERENCE CODES**
- 2023 USPS HANDBOOK AS-503 - STANDARD DESIGN CRITERIA
  - 2021 INTERNATIONAL BUILDING CODE
  - 2021 INTERNATIONAL EXISTING BUILDING CODE

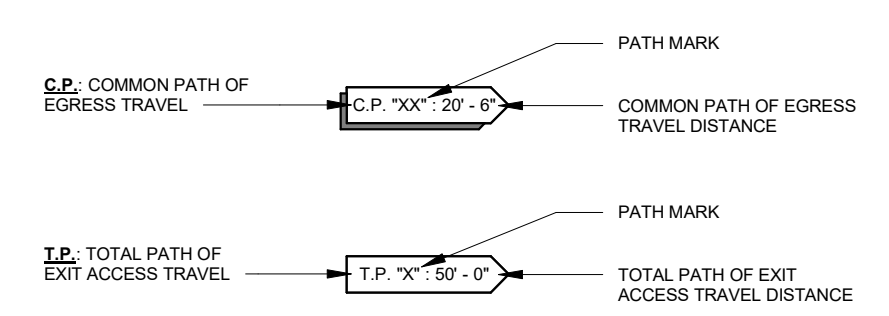
**LEGEND**

- ▨ NOT IN SCOPE
- COMMON PATH OF TRAVEL
- EXIT ACCESS PATH OF TRAVEL

**EXIT IDENTIFICATION SYMBOL**

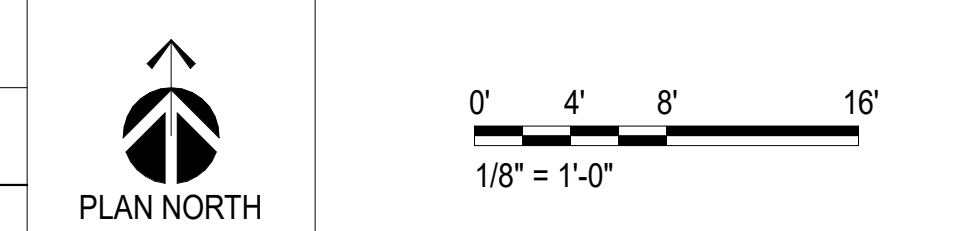


**EGRESS TRAVEL PATH & DISTANCE SYMBOL**

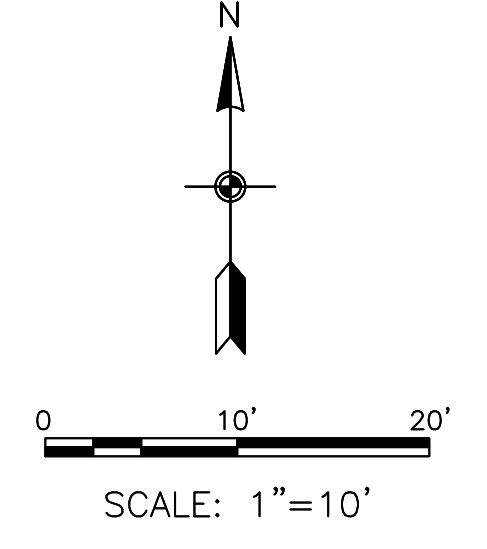
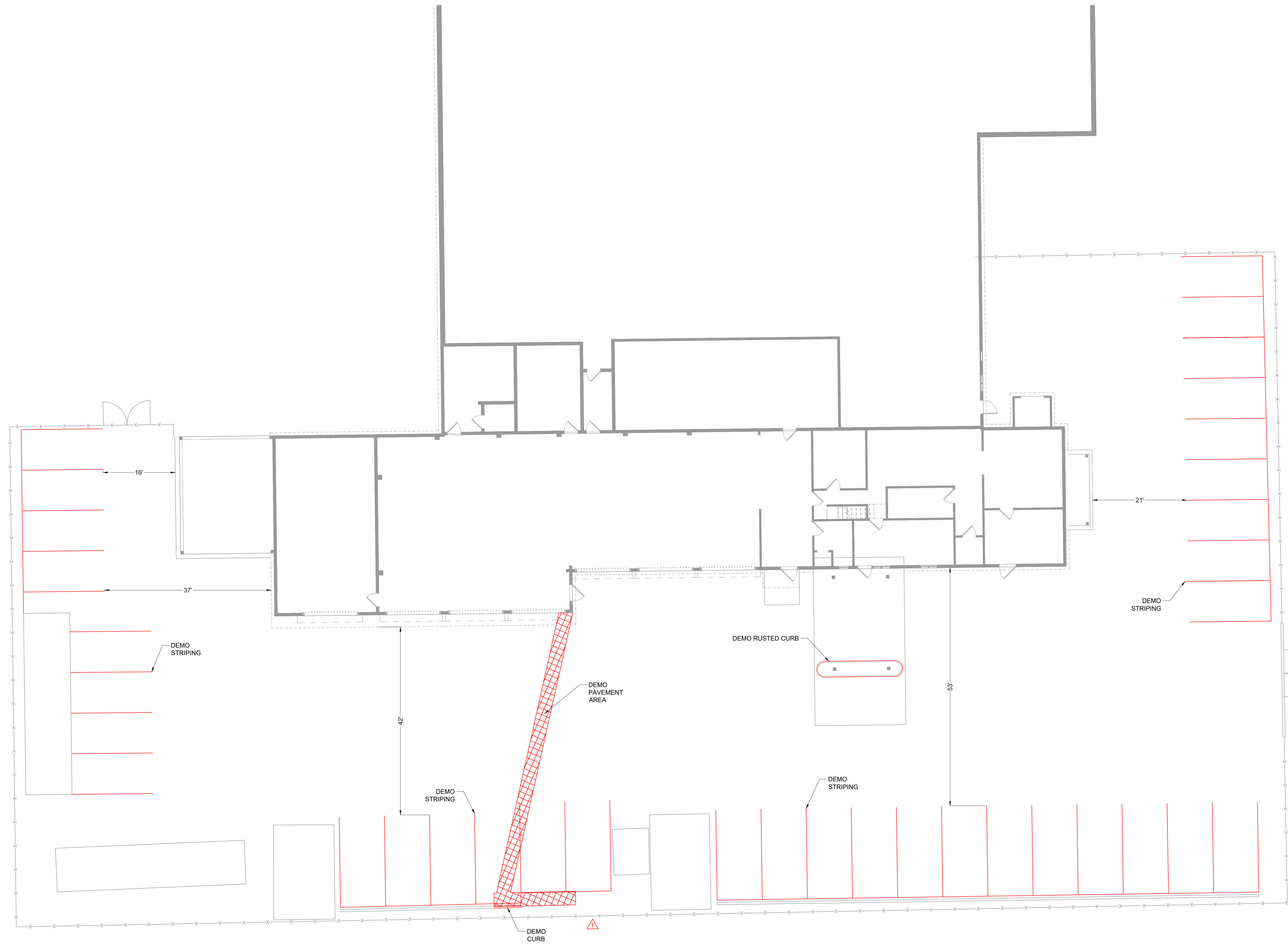


EGRESS ANALYSIS (UNSPRINKLERED IN AREA OF WORK)							
ROOM NUMBER	ROOM NAME	OCCUPANCY	OCCUPANT LOAD OF SPACE	MAX. OCCUPANT LOAD OF SPACE FOR 1% EXIT	EGRESS TRAVEL DISTANCE(S) / COMMON PATH DISTANCE	MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
101	SERVICE AREA	F1	2,914 SF/100 = 30	49	117'-7" / 12'-10"	75 FT	200 FT
102	WASH BAY	F1	848 SF/100 = 9	49	100'-0" / --	75 FT	200 FT
AREAS NOT IN SCOPE OF WORK							
--	METAL SHOP	F1	287 SF/100 = 3	49	N/A	N/A	N/A
--	V.M.F. STORAGE	S1	286 SF/100 = 3	49	N/A	N/A	N/A
--	STOCK ROOM	S1	872 SF/100 = 10	49	N/A	N/A	N/A

MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (F1): 75 FT UNSPRINKLERED / 100 FT SPRINKLERED  
 MAXIMUM EXIT ACCESS TRAVEL DISTANCE (F1): 200 FT UNSPRINKLERED / 250 FT SPRINKLERED





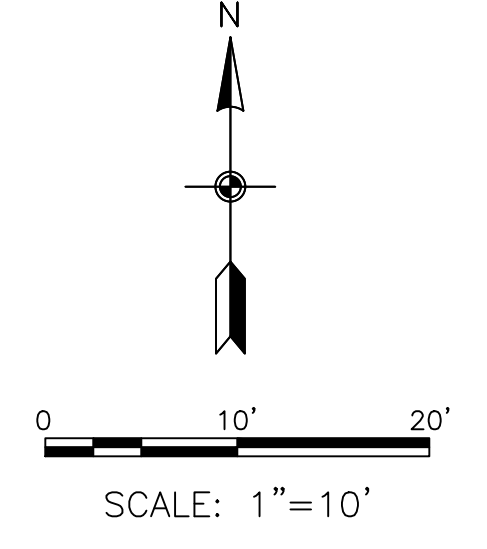


**LEGEND**

- EXISTING GRASS AREA
- EXISTING BUILDING
- EXISTING PAINT STRIPING
- EXISTING FENCE
- EXISTING GATE
- DEMO PAINT
- DEMO PAVEMENT

**NOTES:**

1. NO TITLE SEARCH OR PROPERTY BOUNDARY SURVEY WAS COMPLETED FOR THIS PROJECT. NO BOUNDARY LINES ARE DEPICTED ON THIS DATABASE.
2. A SUBSURFACE UTILITY INVESTIGATION HAS NOT BEEN PERFORMED BY WSP. WA 811 SHOULD BE CONTACTED PRIOR TO COMMENCING ANY EXCAVATION. (800-424-5555). STORM AND SEWER CONNECTIONS WERE EXCLUDED FROM THIS SCOPE OF SERVICE AND ARE NOT SHOWN HEREON.
3. COORDINATES SHOWN BASED ON PUBLICLY AVAILABLE DATA. CONTRACTOR TO ESTABLISH BEARINGS AND COORDINATES SHOWN HEREON, IF ANY, ARE BASED ON THE WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983.
4. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) [GEOID 12B].
5. FINAL LOCATIONS TO BE FIELD VERIFIED PRIOR TO FINAL INSTALLATION. DEVIATIONS TO BE COORDINATED WITH OWNER AND ENGINEER.
6. CONTRACTOR TO DEMO ANY ADDITIONAL PAINT STRIPING ON SITE THAT CONFLICTS WITH NEW PROPOSED STRIPING.



**LEGEND**

- EXISTING GRASS AREA
- EXISTING BUILDING
- EXISTING PAINT STRIPING
- EXISTING FENCE
- EXISTING GATE
- PROPOSED PAINT STRIPING
- PROPOSED PAVEMENT RESTORATION
- PROPOSED ACCESSIBLE PARKING
- VMF PARKING
- EMPLOYEE PARKING
- VMF CHARGER PARKING

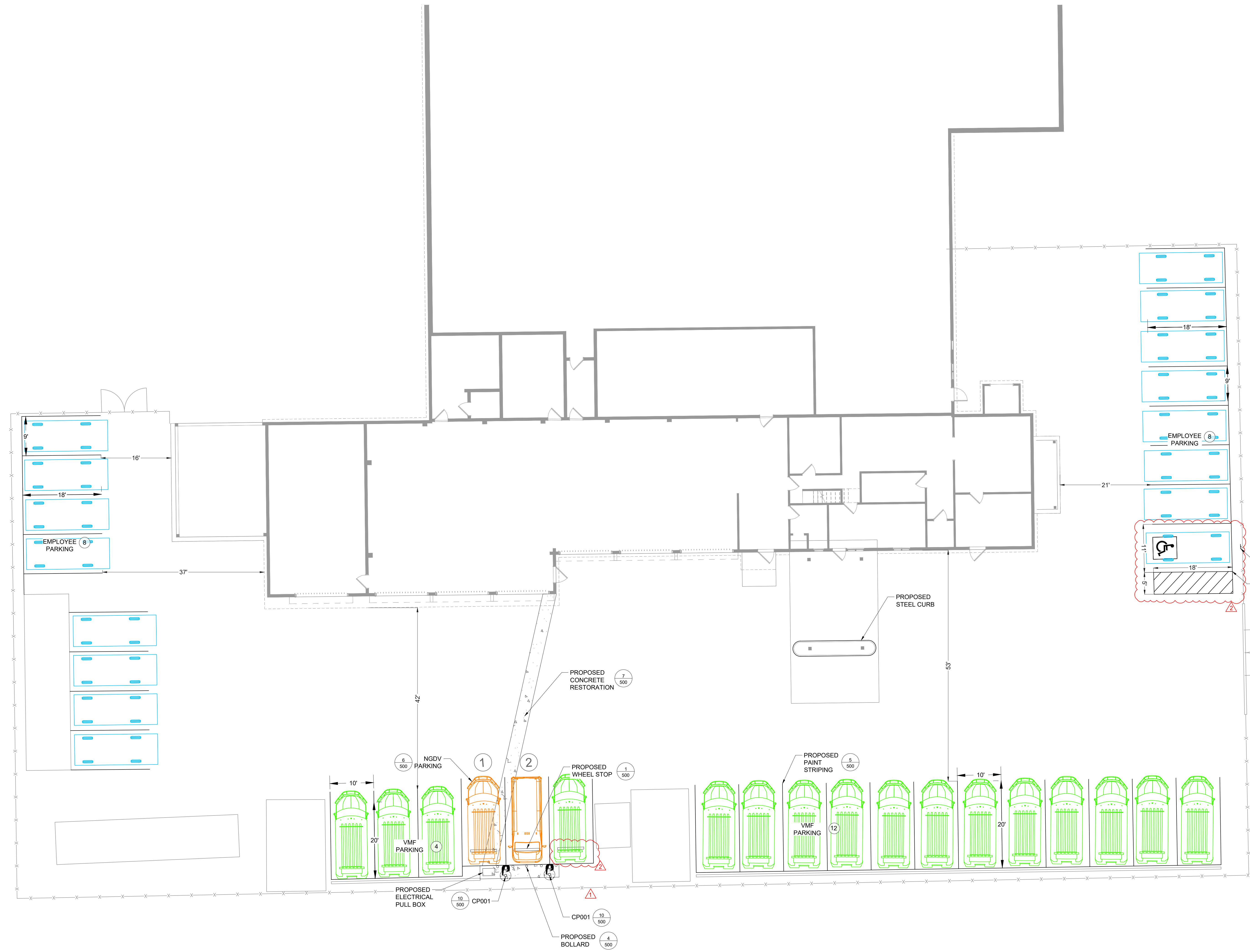
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4. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (GEOID 12B).
5. FINAL LOCATIONS TO BE FIELD VERIFIED PRIOR TO FINAL INSTALLATION. DEVIATIONS TO BE COORDINATED WITH OWNER AND ENGINEER.
6. CONTRACTOR TO REPAIR ALL SIZEABLE CRACKS ALONG EXISTING CONCRETE.
7. CONTRACTOR TO REPAINT ALL EXISTING BOLLARDS ON SITE.
8. CONTRACTOR TO RESTORE CONCRETE WHERE REQUIRED FOR CHARGER, BOLLARD, AND TRANSFORMER INSTALLATION. CONTRACTOR TO VERIFY FIELD CONDITIONS AND RESTORE AREA LIKE FOR LIKE CONDITIONS. (IE. GRASS=GRASS, CONCRETE=CONCRETE, ETC.)

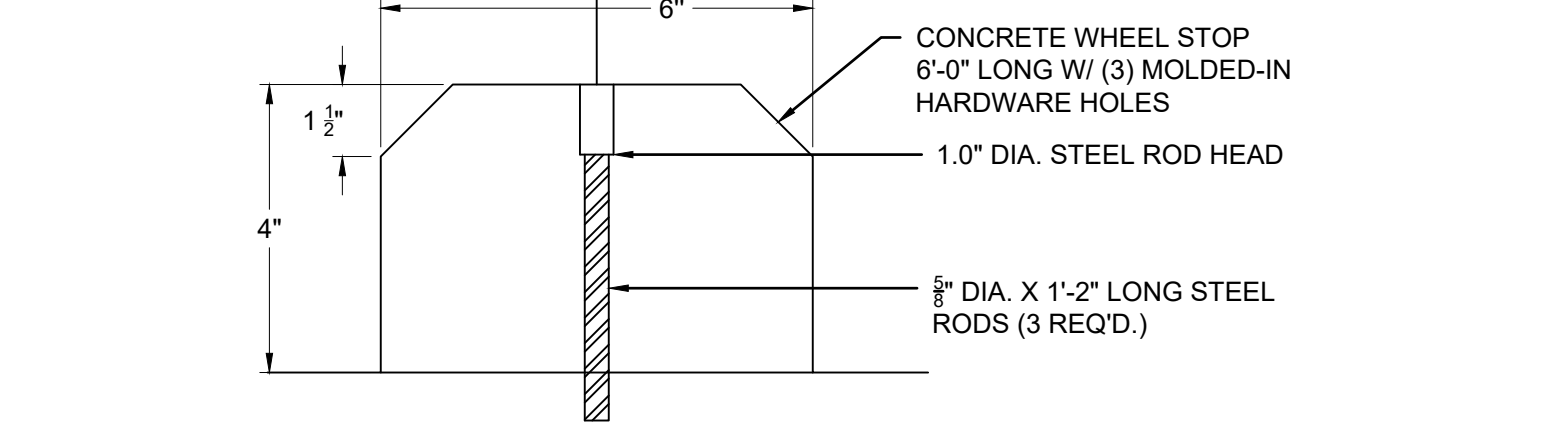
**PARKING SPACES**

PARKING TYPE	PROVIDED	KIT No.
EMPLOYEE PARKING	16	
VMF PARKING	16	
VMF CHARGING PARKING	2	CP001

\*FINAL CHARGER SCHEDULE TO BE DEPICTED IN ELECTRICAL PLANS. ASSOCIATED CHARGER PER PARKING NUMBER TO BE DEPICTED IN ELECTRICAL PLANS.

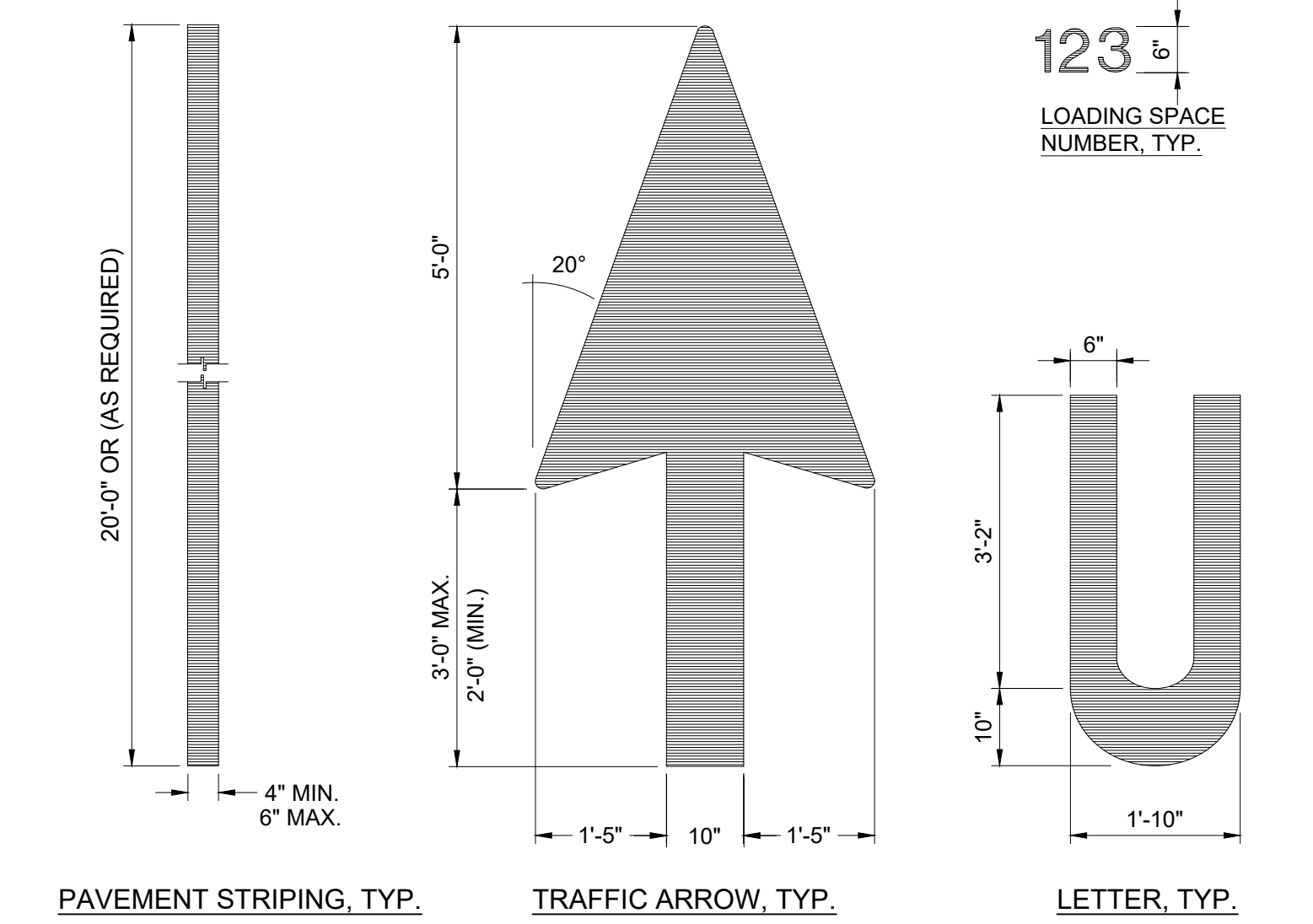


VEHICLE TYPE	PARKING ORIENTATION	
	REAR	FRONT
BEV ICE/NGDV SPACES	4'-6"	3'-0"
BEV COTS SPACES	3'-6"	2'-9"
EMPLOYEE/RETAIL	3'-0"	3'-0"



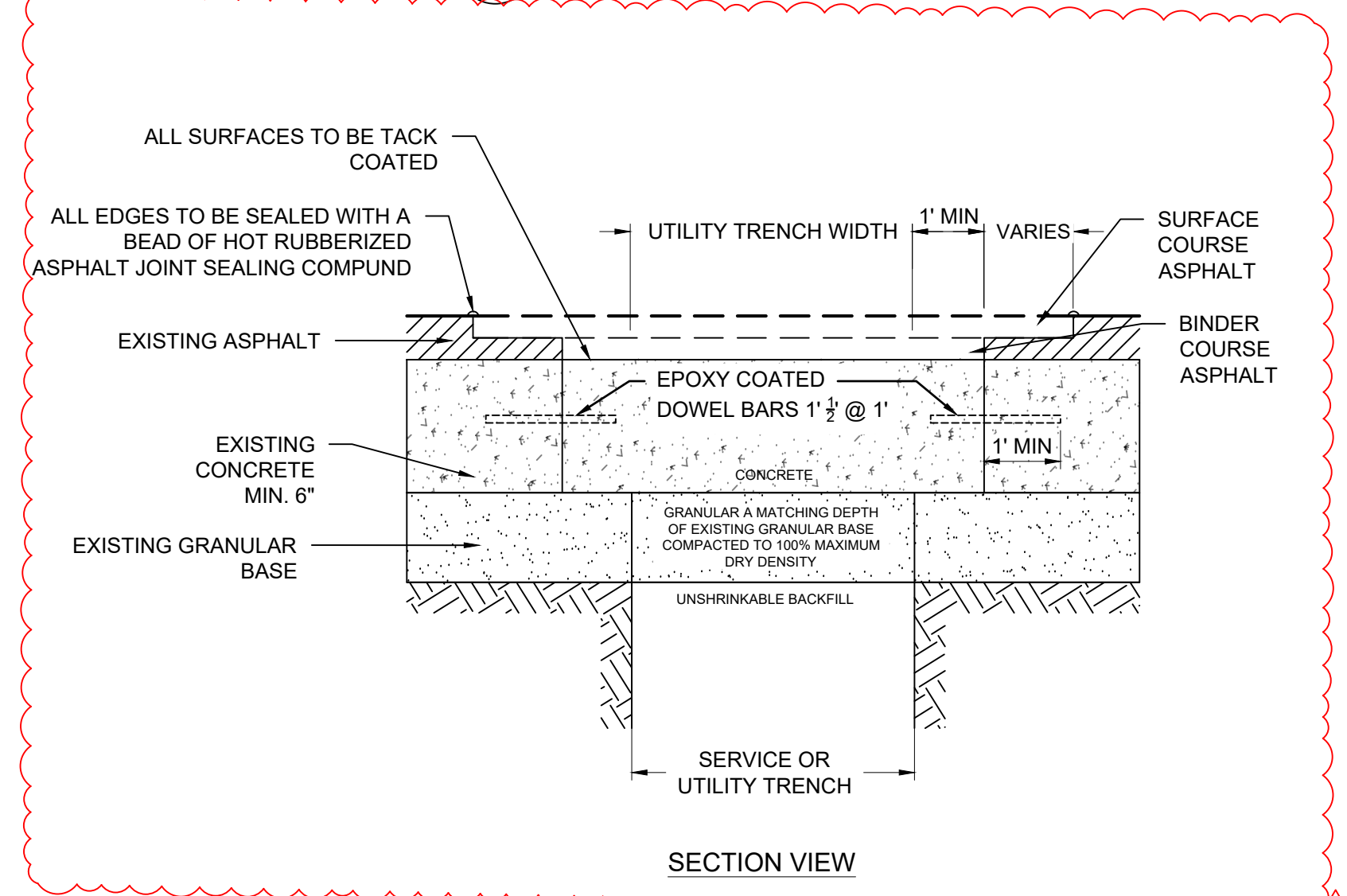
- NOTES:**
- SEE SITE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.
  - SEE USPS PLAN AND THE PARKING ENLARGEMENTS FOR THE CAR PARKING ORIENTATIONS AS DESCRIBED IN THE 'DIMENSION TABLE' ABOVE.
  - WHEN APPLICABLE IN CONCRETE PAVEMENTS, WHEELSTOPS SHALL BE ANCHORED TO CONCRETE WITH MIN. 1/4" DROP-IN ANCHORS, 1" EMBEDMENT W/ 1/4" THREADED ROD.
  - WHEELSTOP MATERIAL AND INSTALLATION SHALL BE PER BARCO PRODUCTS' STANDARDS AND SPECIFICATIONS (OR APPROVED EQUAL).

**1 CONCRETE WHEEL STOP**  
NTS

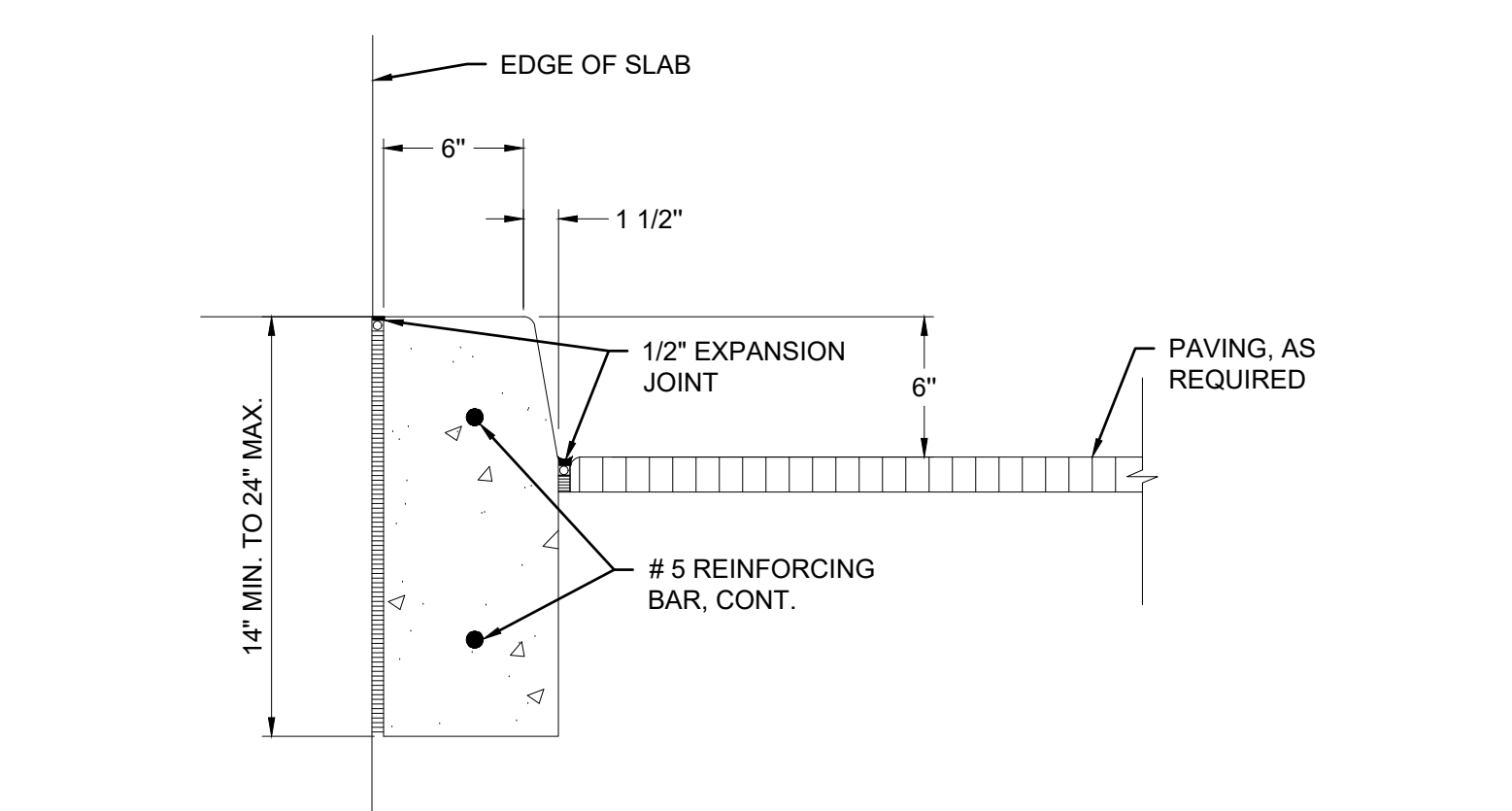


- NOTE:**
- USE NON-REFLECTIVE WHITE PAINT, TYP. BUT USE YELLOW PAINT ON CONCRETE OR OTHER SURFACES WHERE WHITE PAINT DOES NOT PROVIDE SUFFICIENT CONTRAST.

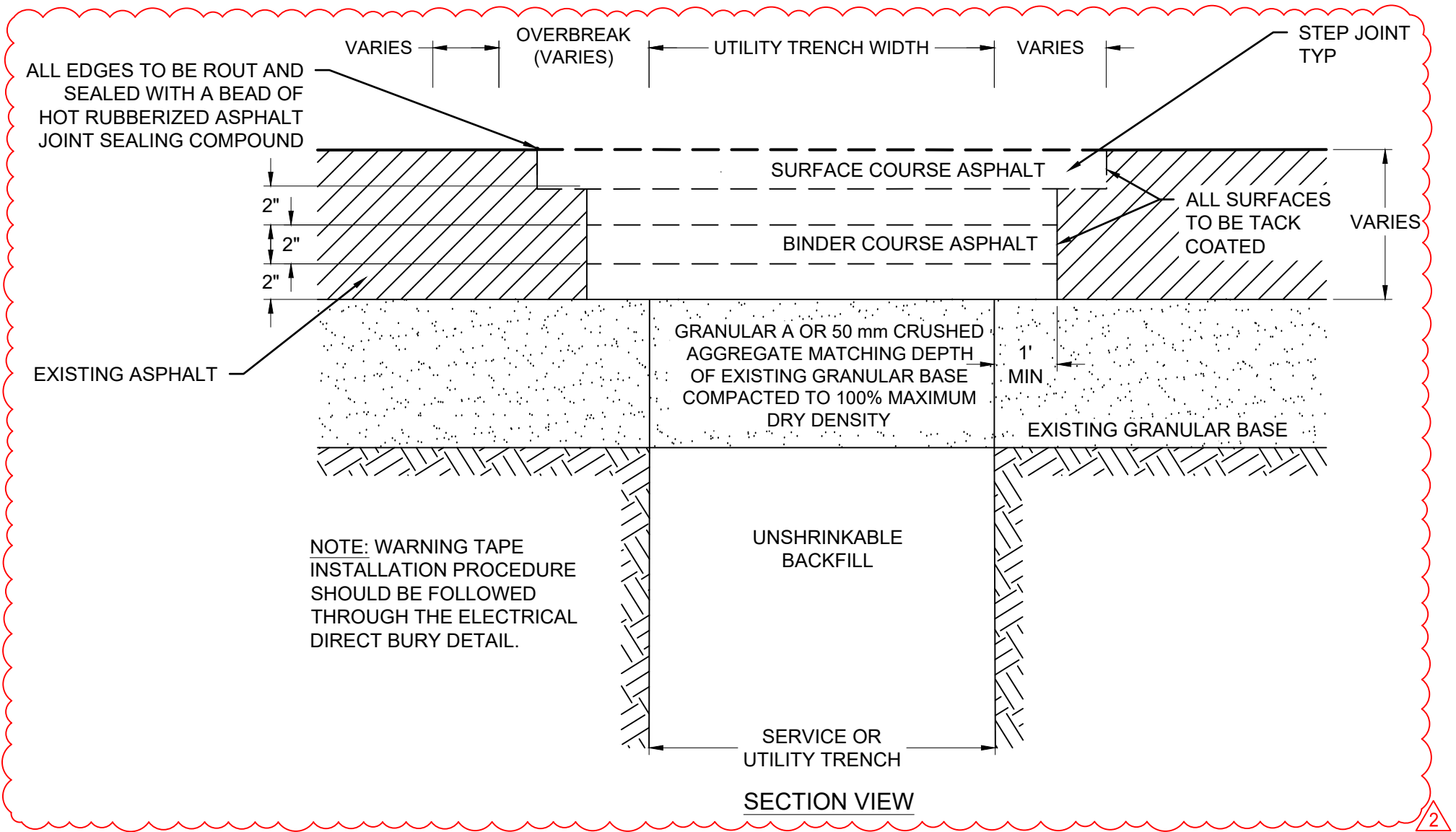
**5 PAVEMENT MARKINGS**  
NTS



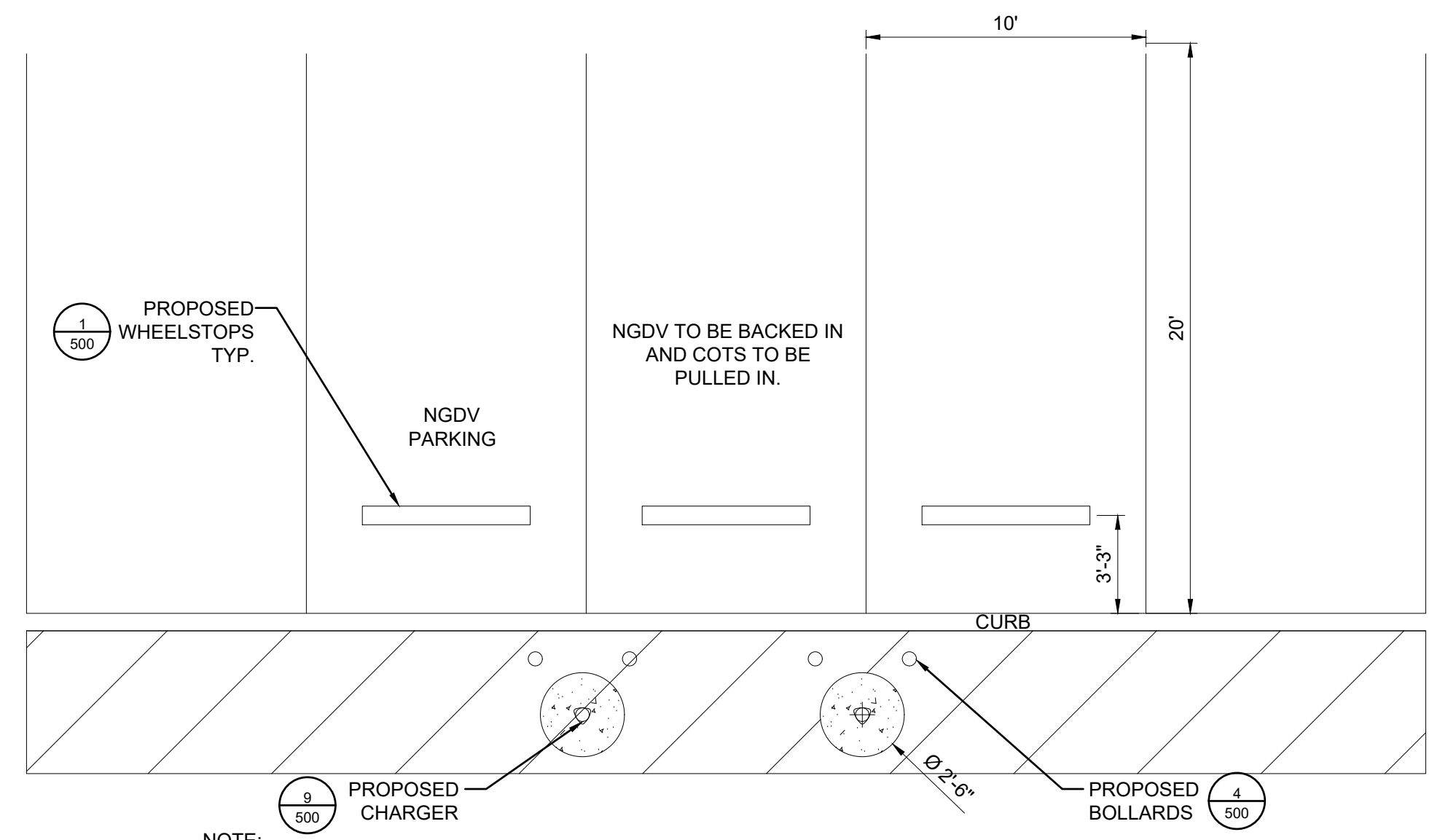
**7 CONCRETE RESTORATION SECTION**  
NTS



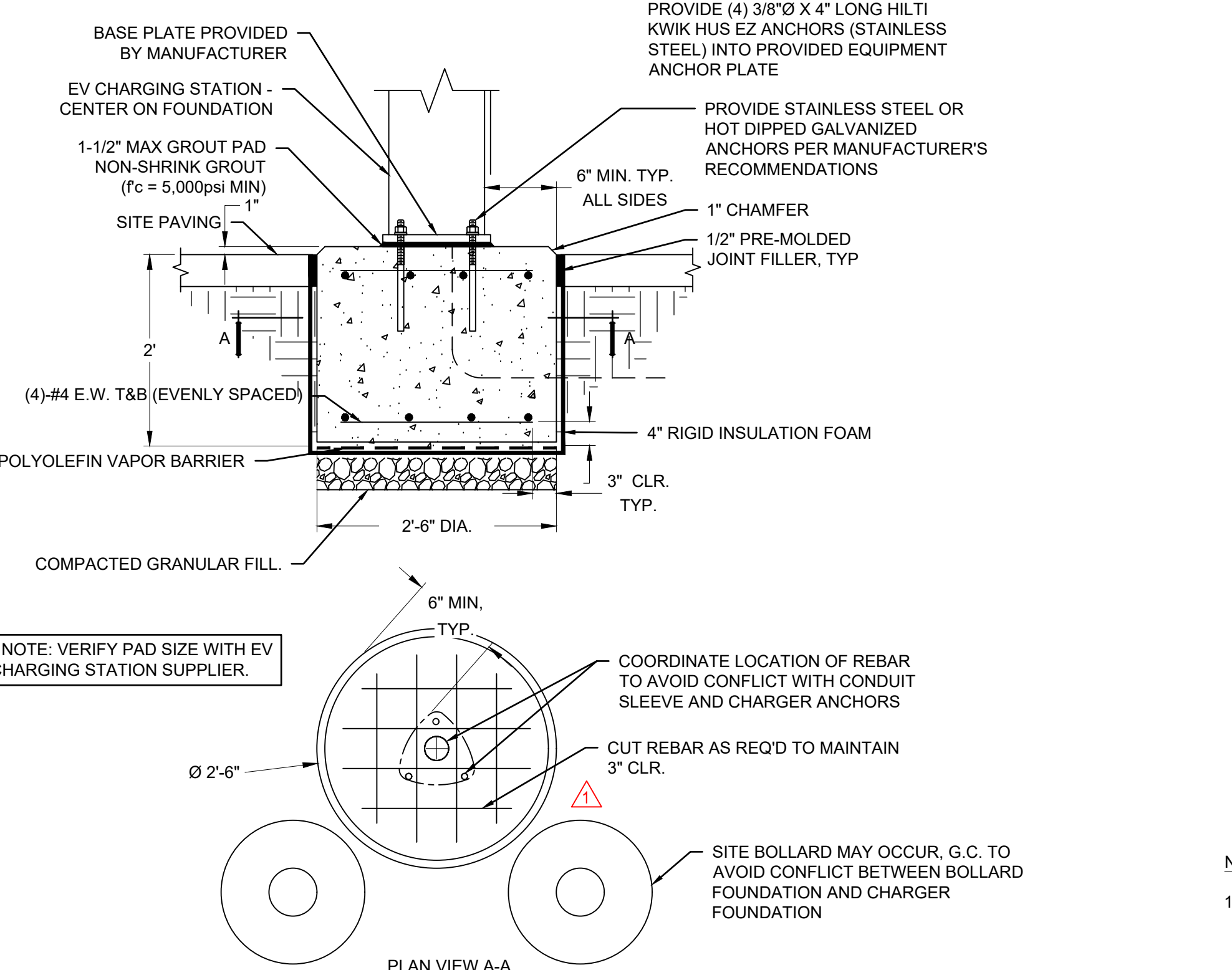
**8 CURBS**  
NTS



**2 PAVEMENT RESTORATION SECTION**  
NTS

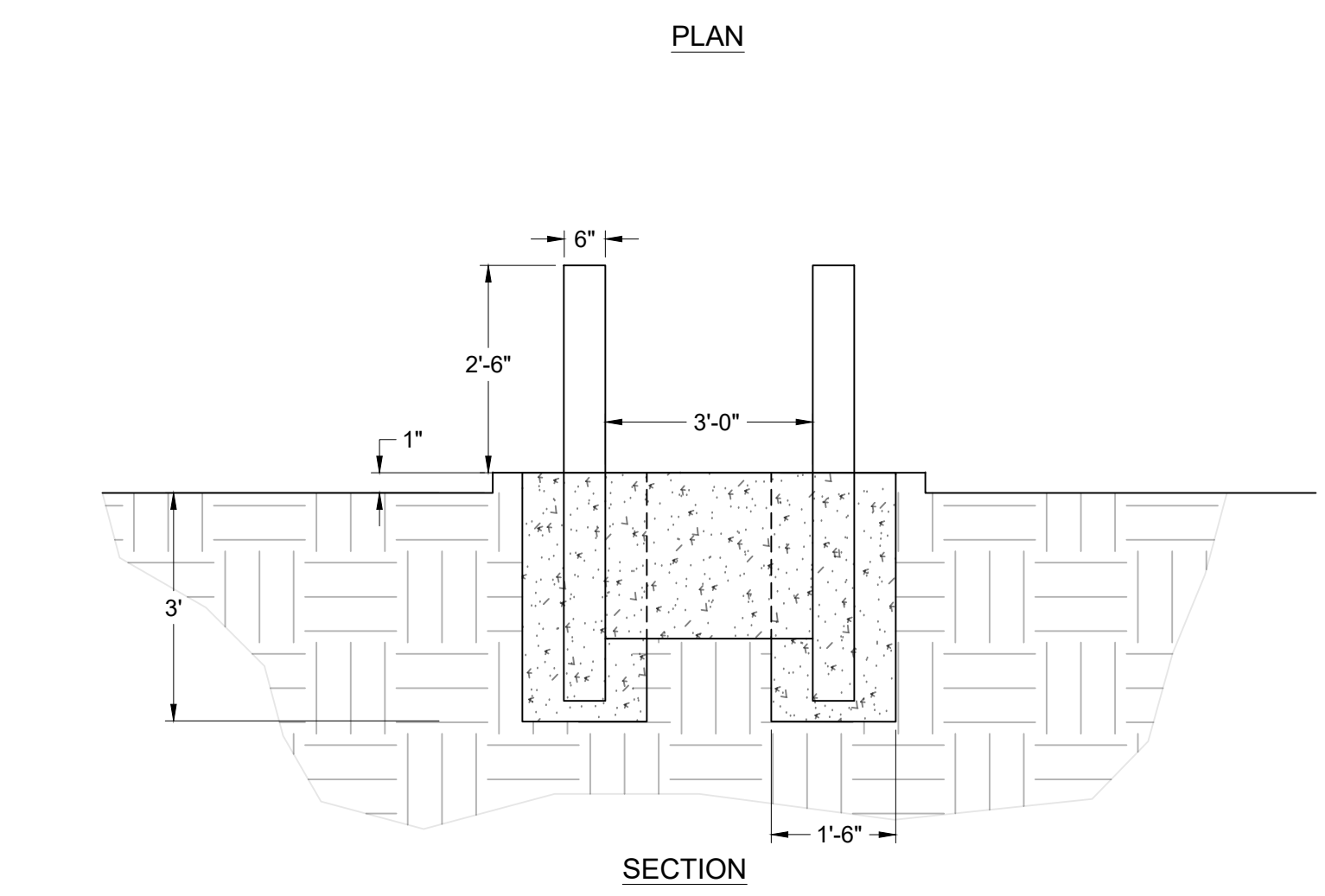
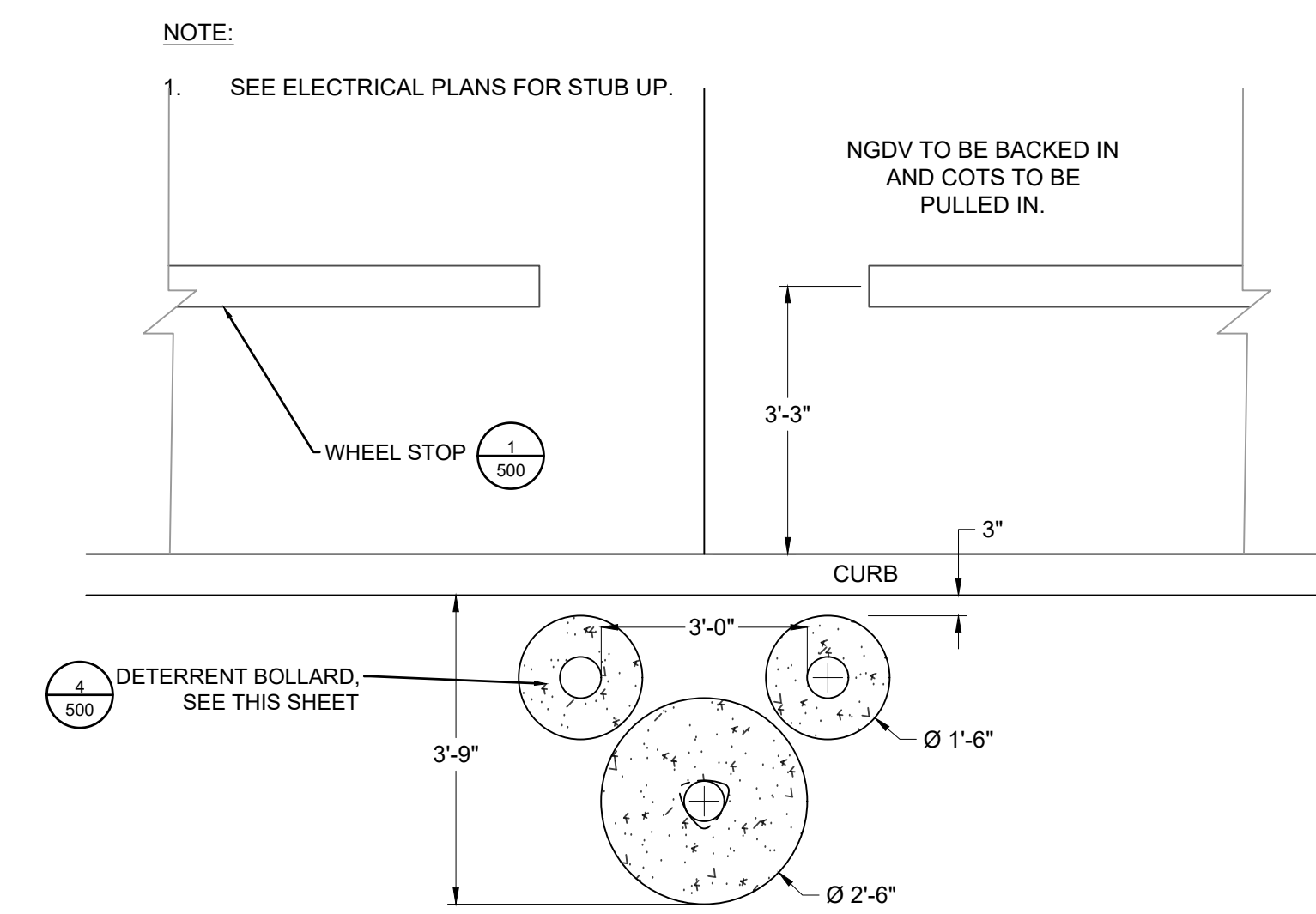


**6 STANDARD NGDV PARKING DETAIL**  
NTS



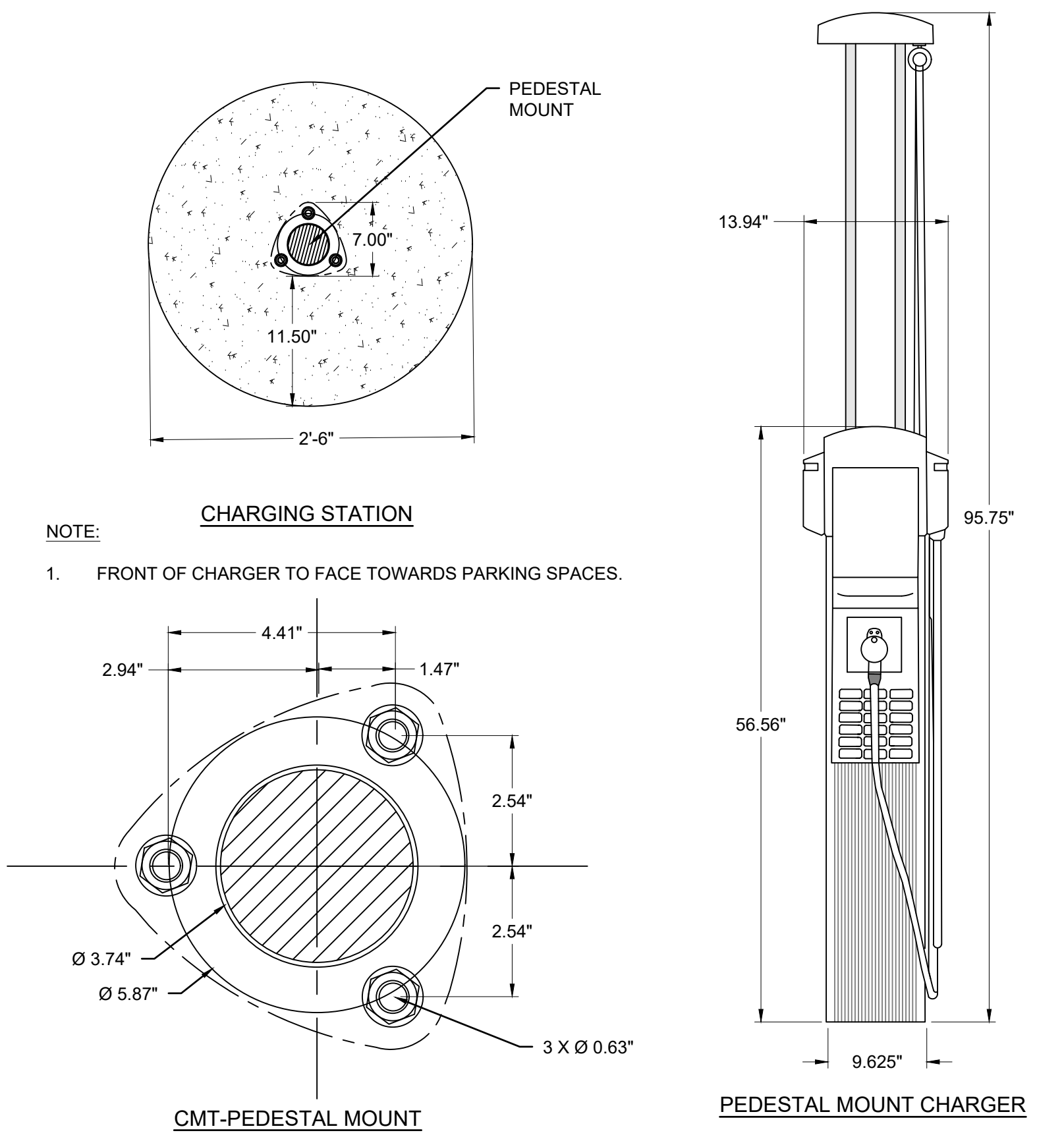
- FROST DESIGN NOTES:**
- CONCRETE FOUNDATIONS SHOULD BEAR DIRECTLY ON A PROPERLY COMPACTED FREE-DRAINING GRANULAR FILL CONSISTING OF NO. 57 STONE OR AN APPROVED EQUIVALENT.
  - GRANULAR FILL SHOULD EXTEND VERTICALLY TO THE MINIMUM RECOMMENDED REGIONAL FROST DEPTH AND Laterally 23RD FROM THE FOUNDATION PERIMETER (EXCLUDING SIDE OF PERIMETER ADJACENT TO CURB). GRANULAR FILL SHOULD BE PLACED IN 8 INCH LOOSE LIFTS AND COMPACTED WITH A VIBRATORY COMPACTOR. THE COMPACTOR EQUIPMENT SHOULD BE OPERATED OVER THE FULL WIDTH OF THE FOUNDATION UNDERCUT AREA UNTIL VISIBLE DEFORMATION OF THE BACKFILL CEASES. LOCAL FROST DEPTH IS 30 INCHES. CONTRACTOR SHALL VERIFY LOCAL FROST DEPTH WITH AHJ PRIOR TO CONSTRUCTION.
  - GEOTEXTILE (FILTER FABRIC) SHOULD BE PLACED BETWEEN THE GRANULAR BACKFILL AND COHESIVE SOILS TO PRECLUDE THE INFILTRATION OF FINES. SPEC AS FOLLOWS:  
SEPARATION GEOTEXTILE: WOVEN GEOTEXTILE FABRIC, MANUFACTURED FOR SEPARATION APPLICATIONS, MADE FROM POLYOLEFINS OR POLYESTERS, WITH ELONGATION LESS THAN 50 PERCENT, COMPLYING WITH AASHTO M 288 AND THE FOLLOWING, MEASURED PER TEST METHODS REFERENCED:  
SURVIVABILITY: CLASS 2, AASHTO M 288  
GRAB TENSILE STRENGTH: 247 LBF (1100 N); ASTM D 4632.  
SEWN SEAM STRENGTH: 222 LBF (990 N); ASTM D 4632.  
TEAR STRENGTH: 90 LBF (400 N); ASTM D 4533.  
PUNCTURE STRENGTH: 90 LBF (400 N); ASTM D 4533.  
APARENT OPENING SIZE: NO. 60 (0.250-MM) SIEVE, MAXIMUM; ASTM D 4751.  
PERMITTIVITY: 0.02 PER SECOND, MINIMUM; ASTM D 4491.  
UV STABILITY: 50 PERCENT AFTER 500 HOURS' EXPOSURE; ASTM D 4355.

**9 CHARGING STATION FOUNDATION DETAIL**  
NTS

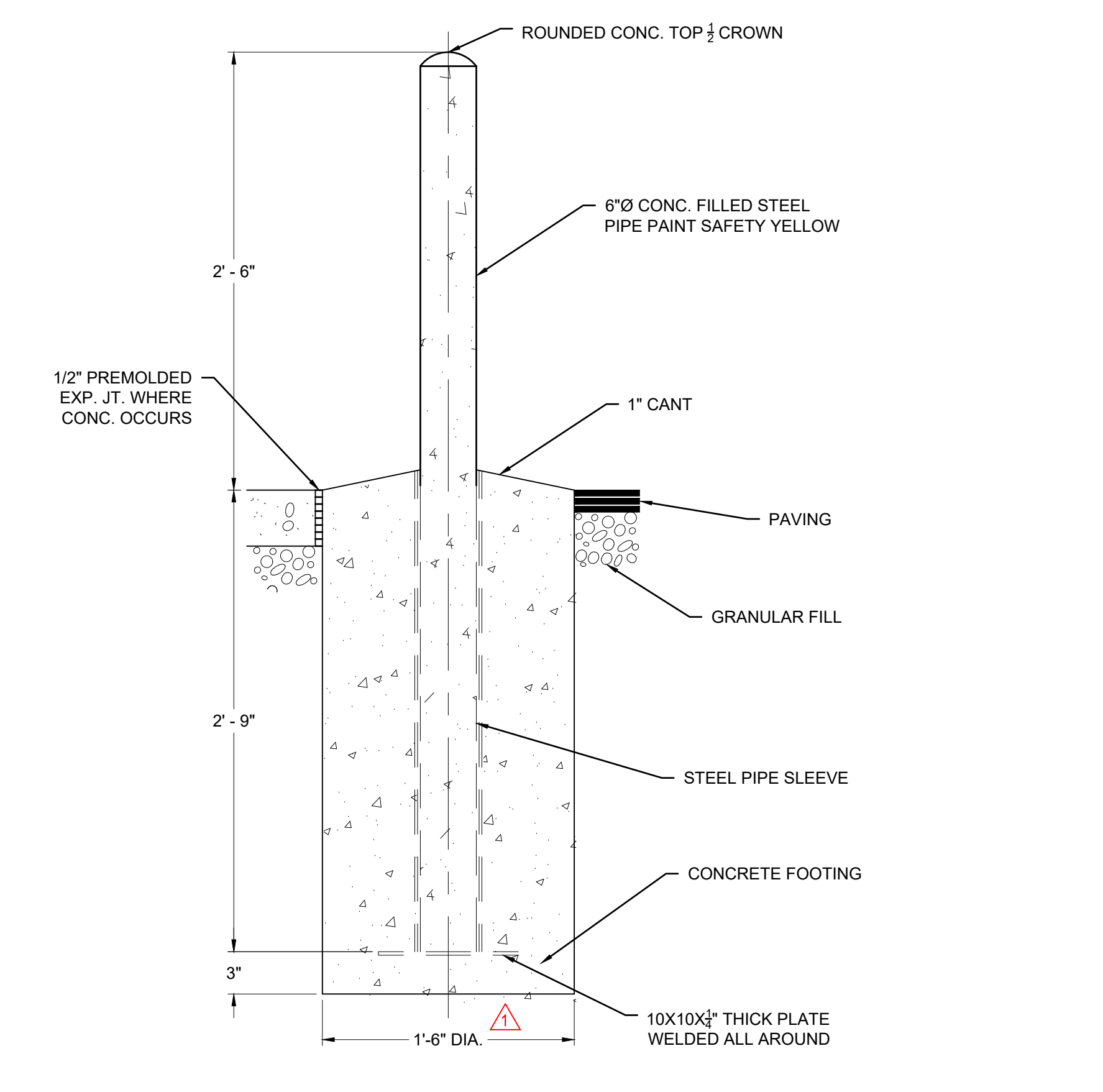


- NOTE:**
- BOLLARD PROTECTION MAY NOT BE REQUIRED AT ALL FACILITIES. DETAIL IS DEPENDENT ON SITE CONDITIONS AND FINAL LAYOUT AT THE FACILITY.

**3 EV CHARGING STATION BOLLARD PROTECTION**  
NTS

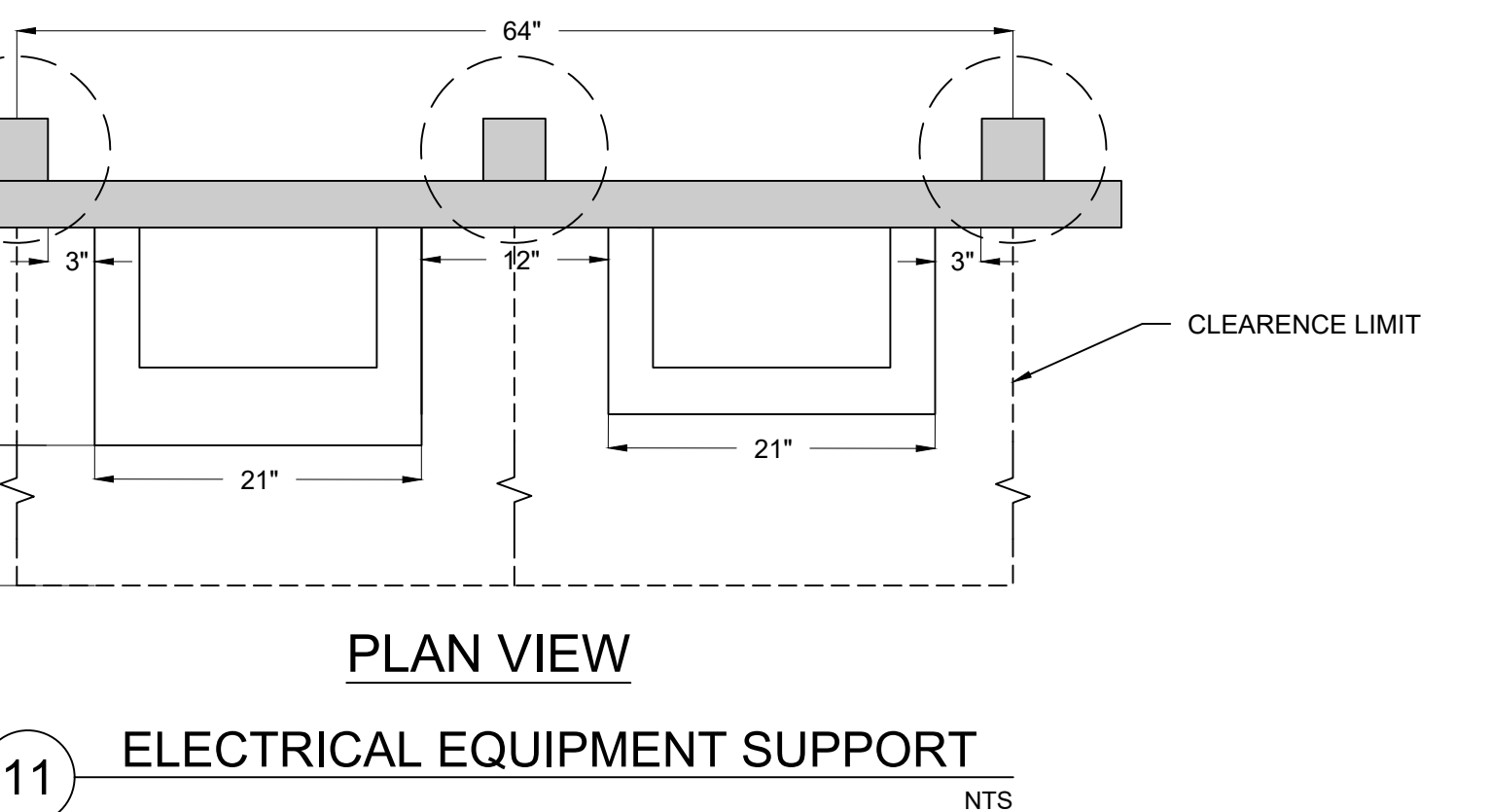
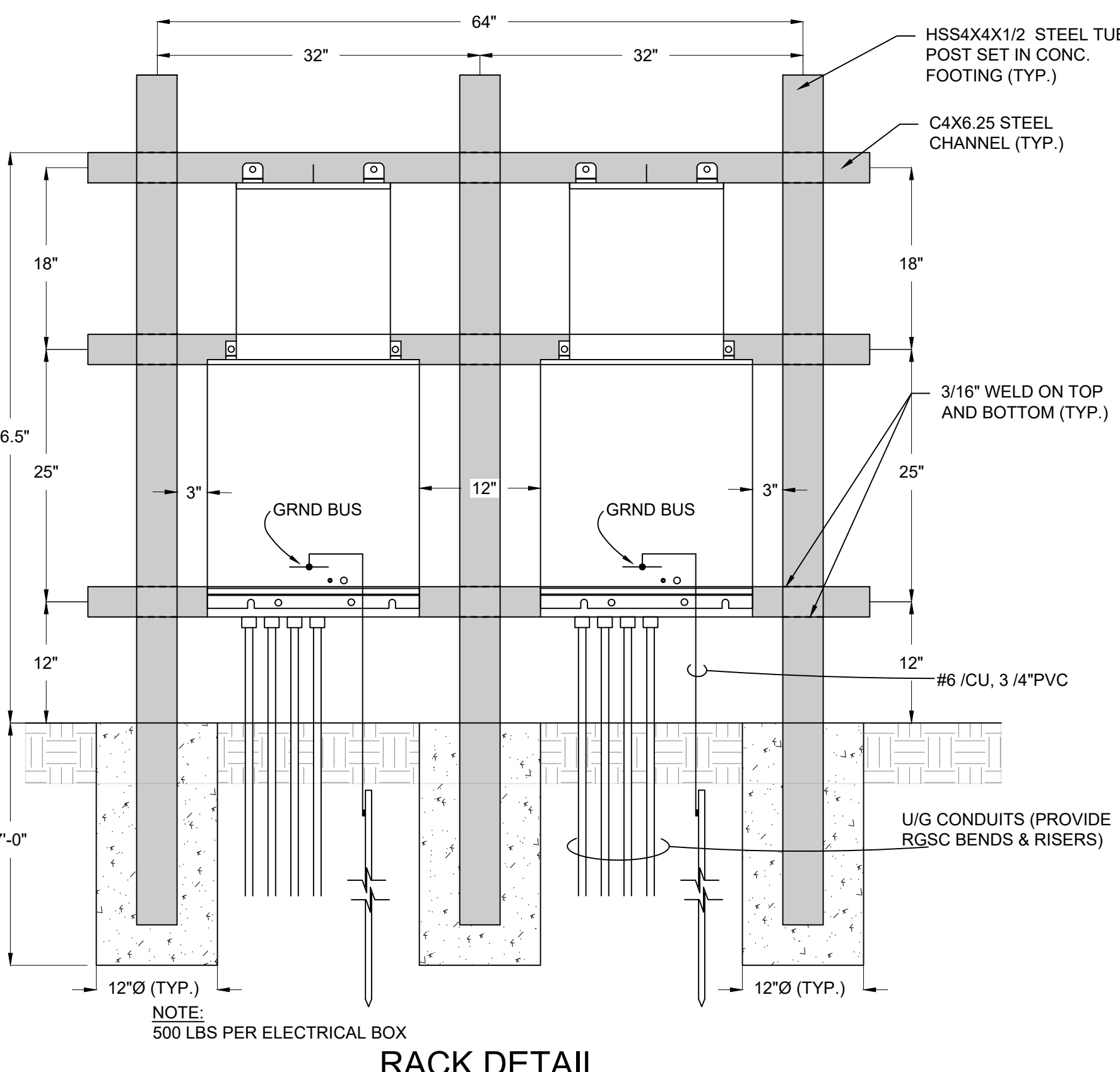


**10 CHARGING STATION DETAIL**  
NTS



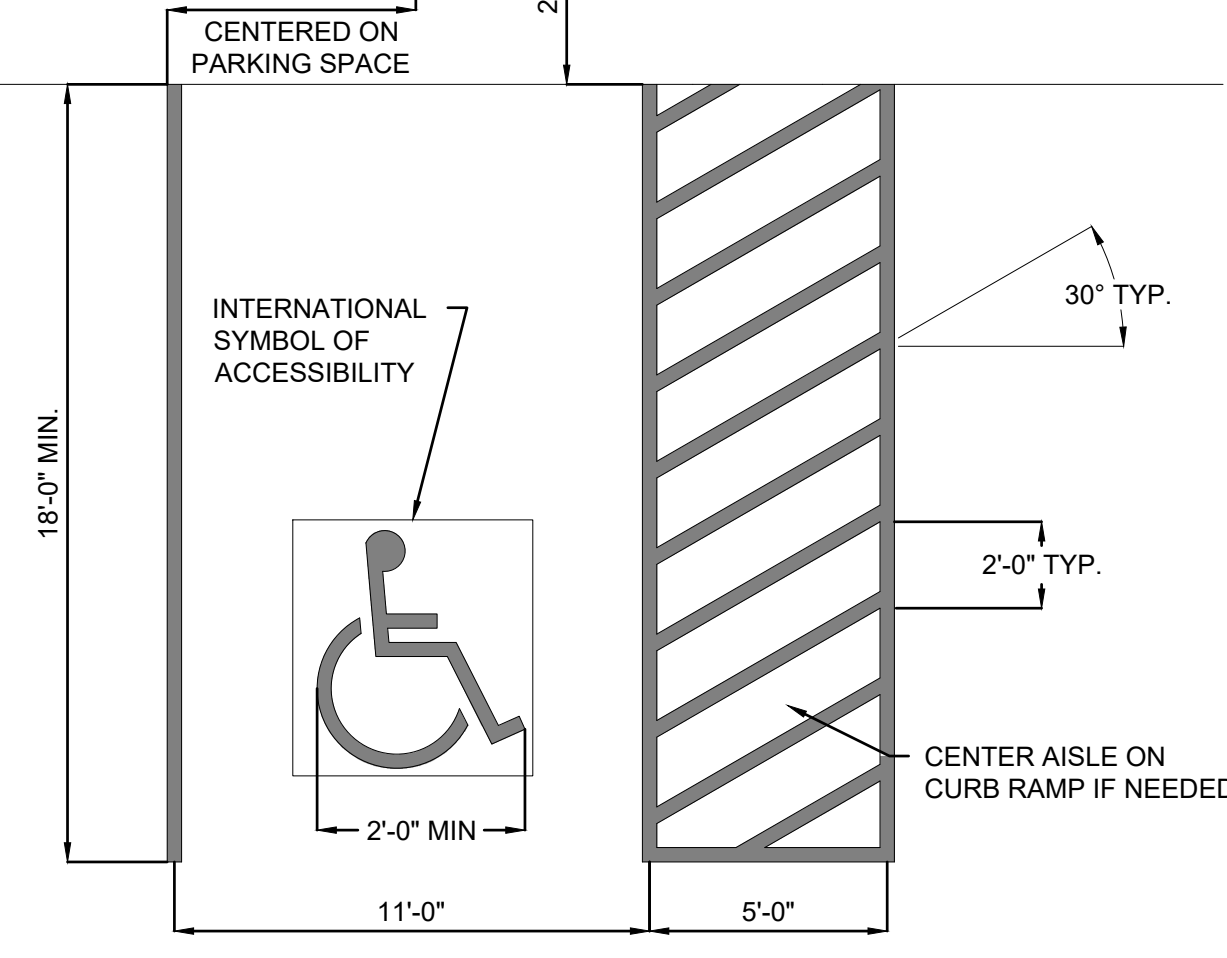
- NOTES:**
- CONTRACTOR SHALL UTILIZE GALVANIZED COATED OR FULLY PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT PRIOR TO INSTALLATION AND TOUCH UP AFTER INSTALLATION SUCH AS SHERWIN-WILLIAMS MACROPROXY 646 FAST CURE (B58W610), IN ACCORDANCE WITH MANUFACTURER'S PREPARATION REQUIREMENTS. PROVIDE A YELLOW (BLUE FOR ADA) BOLLARD COVER APPROVED IN SPECIFICATION 055000 - METAL FABRICATIONS.
  - BOLLARD PROTECTION MAY NOT BE REQUIRED AT ALL FACILITIES. DETAIL IS DEPENDENT ON SITE CONDITIONS AND FINAL LAYOUT AT THE FACILITY.
  - INCREASE DEPTH OF EXTERIOR BOLLARDS AS REQUIRED BY LOCAL FROSTLINE.

**4 TYP. SITE PIPE BOLLARD**  
NTS



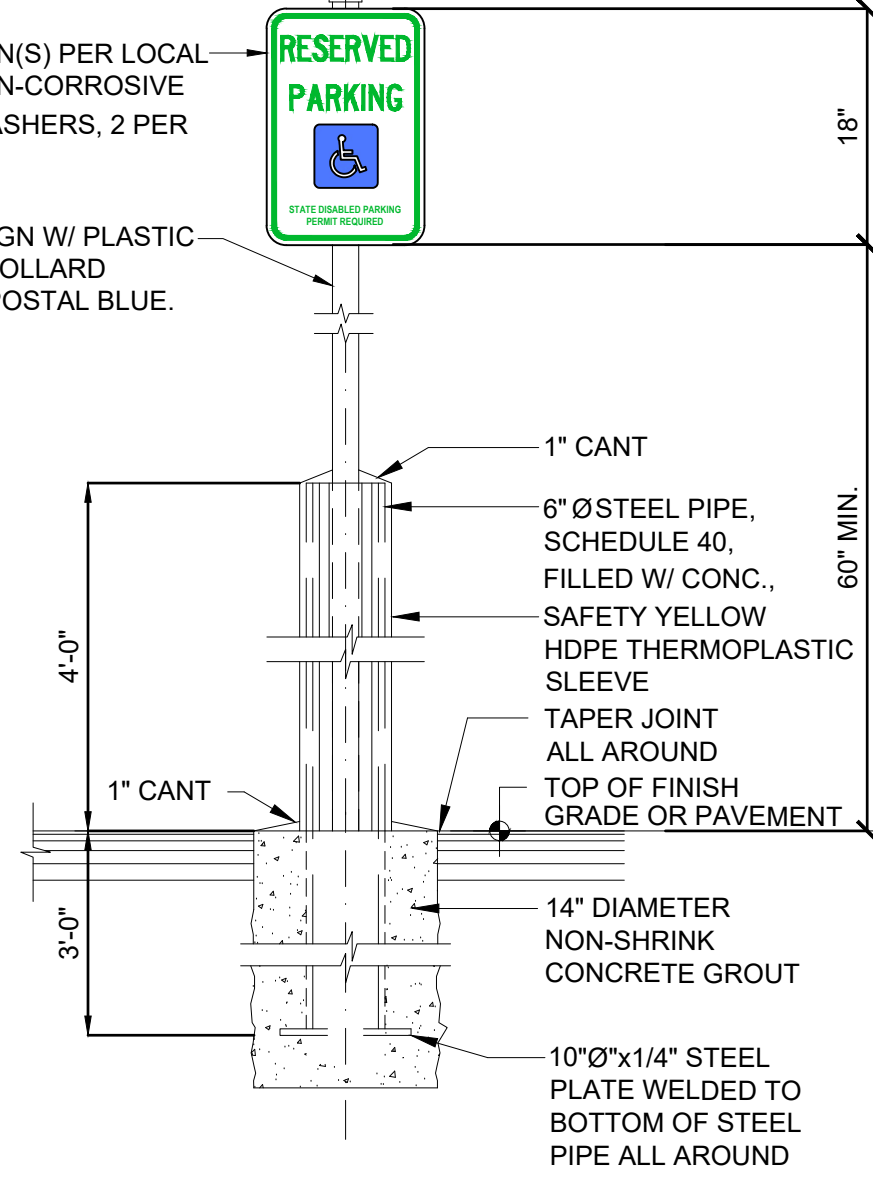
**11 ELECTRICAL EQUIPMENT SUPPORT**  
NTS

SIGNAGE, AS REQ'D LOCATE SIGN AWAY FROM CURB AND NOT OBSTRUCTING THE ACCESSIBLE ROUTE (SEE DETAIL 13)



12 PAVEMENT MARKINGS - ACCESSIBLE PARKING SPACE AND AISLE  
NTS

ACCESSIBLE PARKING SIGN(S) PER LOCAL CODE FASTENED WITH NON-CORROSIVE 1/2" MACHINE BOLTS W/ WASHERS, 2 PER SIGN MIN.  
1.66" O.D., 14 GA. METAL SIGN W/ PLASTIC CAP POST EMBEDDED IN BOLLARD CONCRETE. PAINT POST POSTAL BLUE.



13 ACCESSIBLE PARKING SIGN/BOLLARD  
NTS



ROOM FINISH SCHEDULE- 1ST FLOOR														
NO.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	WALLS								CEILING		REMARKS
				NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	
101	SERVICE BAY	CONC.	EPOXY	EXIST. CONC.	P - 1	EXIST. CONC./CMU	P - 1	EXIST. CONC.	P - 1	EXIST. CONC.	P - 1	EXIST.	EXIST. TO REMAIN	1
102	WASH BAY	CONC.	EPOXY	EXIST. CMU	P - 1	EXIST. CONC./CMU	P - 1	EXIST. CONC.	P - 1	EXIST. CONC.	P - 1	EXIST.	EXIST. TO REMAIN	1

LIFT SCHEDULE						
SERVICE BAY NUMBER	EXISTING LIFT			NEW LIFT		REMARKS
	LIFT TYPES	CAPACITY LB	LIFT NUMBER	LIFT TYPES	CAPACITY LB	

### ROOM FINISH GENERAL NOTES

- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

### ROOM FINISH SCHEDULE REMARKS

- PRESSURE CLEAN/GRIND EXISTING FLOOR AND WALL SURFACE. PATCH & REPAIR CHIPPED & CRACKED SURFACE. PREP FLOOR TO RECEIVE FLOOR FINISH AS REQUIRED PER MANUFACTURER.

### DOOR SCHEDULE REMARKS

- CONTRACTOR TO FIELD VERIFY EXISTING OPENING DIMENSIONS.
- REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO FIELD VERIFY SURROUNDING AREAS OF DOOR OPENING, RETROFIT/RELOCATE EXISTING UTILITIES/DEVICE ASSEMBLIES AS REQUIRED FOR PROPER INSTALLATION & OPERATION OF NEW DOOR.
- PAINT BOTH SIDES AND EDGES OF ALL EXISTING HOLLOW METAL DOORS WITH P-6 PER USPS STANDARDS.

### LIFT SCHEDULE REMARKS

- REFER TO SPECIFICATION FOR LIFT MODEL INFORMATION.
- REFER TO SHEET A500 FOR LIFT DETAILS.

REFINISHED DOOR SCHEDULE									
NO.	DOOR		FRAME		REMARKS				
	MATERIAL	FINISH	MATERIAL	FINISH					
101	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
102	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
103	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
104	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
105	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
106	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
107	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
108	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
109	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
110	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				
111	EXIST.	P - 6	EXIST.	P - 6	1, 2, 3, & 4				

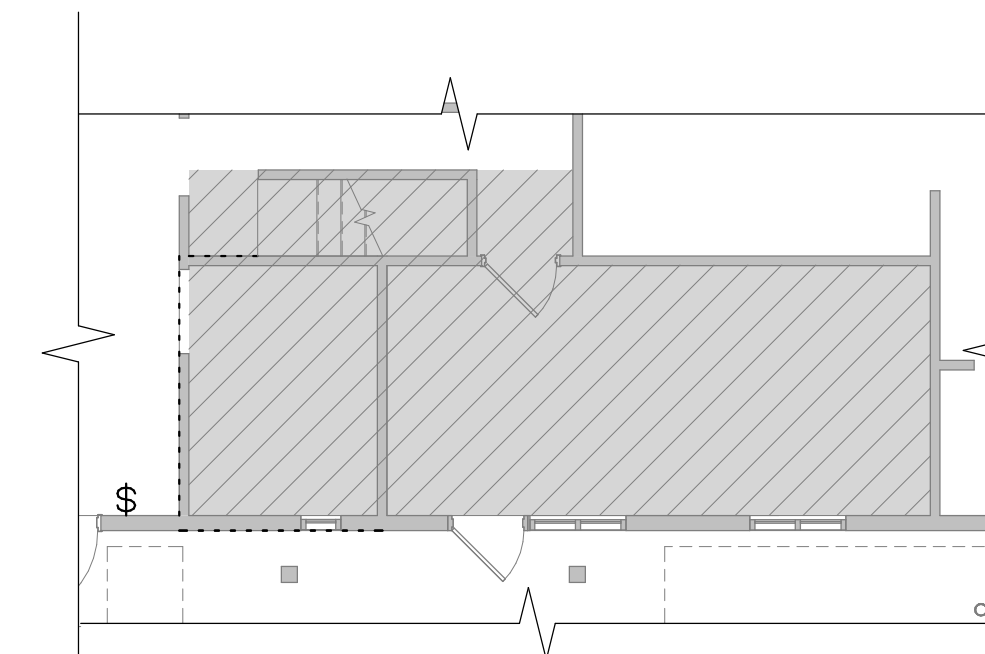
  

NEW OVERHEAD DOOR SCHEDULE									
NO.	SIZE			TYPE	DOOR		FRAME		REMARKS
	WIDTH	HEIGHT	THICKNESS		MATERIAL	FINISH	MATERIAL	FINISH	
N101	12' - 0"	12' - 0"	3/4"	COILING	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3
N102	12' - 0"	12' - 0"	2"	SECTIONAL	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3
N103	12' - 0"	12' - 0"	2"	SECTIONAL	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3
N104	12' - 0"	14' - 0"	3/4"	COILING	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3
N105	12' - 0"	14' - 0"	3/4"	COILING	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3
N106	12' - 0"	14' - 0"	3/4"	COILING	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3
N107	12' - 0"	14' - 0"	3/4"	COILING	STL.	FACTORY POWDER COAT TO MATCH EXIST.	STL.	FACTORY POWDER COAT TO MATCH EXIST.	1, 2, & 3

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**WSP**  
 WSP USA INC.  
 20 N. BROADWAY  
 ST. LOUIS, MO 63102  
**TACOMA**  
 3825 S WARNER ST  
 TACOMA, WA 98409  
**UNITED STATES POSTAL SERVICE**  
**100% DESIGN SUBMITTAL**  
 Scale: AS NOTED  
 Date: Jan 26, 2024  
 Project: TACOMA  
 USPS File Number: E10234  
 Revisions:  
 3 Revision 3  
 09/18/2024

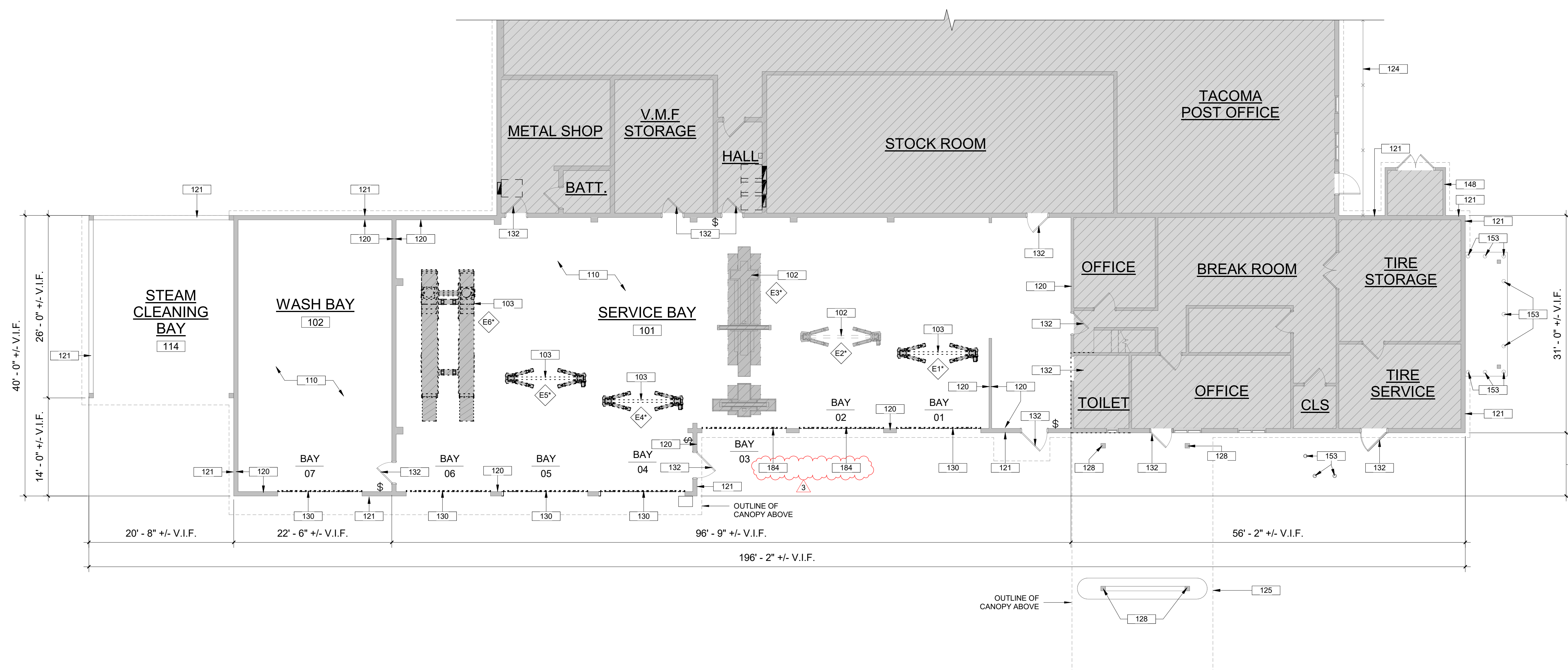
## DEMO GENERAL NOTES

- ITEMS BELOW APPLY TO DASHED LINES AS INDICATED ON THE DEMOLITION PLAN UNLESS OTHERWISE NOTED.
- THE BUILDING AREAS ADJACENT TO THE AREA OF CONSTRUCTION WILL REMAIN OCCUPIED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION FOR THE SAFETY AND PROTECTION OF ALL PERSONS IN THE BUILDING UNDER CONSTRUCTION FOR THE DURATION OF THE PROJECT.
  - EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY AND SHALL NOT BE CONSTRUED AS "AS-BUILT." THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
  - IN THE EVENT THAT QUESTIONABLE ENVIRONMENTAL MATERIALS ARE SUSPECTED OR IDENTIFIED BY THE CONTRACTOR, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY TO DETERMINE THE EXTENT OF MATERIAL AND THE COURSE OF ACTION.
  - ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ELEMENTS WITHIN THE AREA OF DEMOLITION THAT ARE TO BE REMOVED, SHALL BE CUT AND CAPPED AND MADE SAFE BY A SUBCONTRACTOR TRADESMAN APPROPRIATE TO THE SCOPE PRIOR TO DEMOLITION AND REMOVAL WORK OCCURRING BY THE DEMOLITION SUBCONTRACTOR.
  - ALL DASHED PARTITIONS, WALL FURRING, SURFACE APPLIED MATERIALS OR FINISHES (I.E. WALL COVERINGS, WOOD PANELING, ETC.) PIPE AND CHASE FURRING IN INTERIOR SPACES AND AT PERIMETER WALLS SHALL BE REMOVED FULL HEIGHT INCLUDING DOORS AND FRAMES, ETC. WITHIN THE PARTITIONS.
  - REQUIREMENTS OF STRUCTURAL WORK: DO NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF LOAD-CARRYING CAPACITY OF LOAD/DEFLECTION RATIO.
  - OPERATIONAL AND SAFETY LIMITATIONS: DO NOT CUT OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN A MANNER INTENDED OR RESULTING IN A DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
  - VISUAL REQUIREMENTS: DO NOT CUT WORK WHICH IS EXPOSED ON THE EXTERIOR OR EXPOSED IN OCCUPIED SPACES OF THE BUILDING IN A MANNER RESULTING IN A REDUCTION OF VISUAL QUALITIES OR RESULTING IN SUBSTANTIAL EVIDENCE OF THE DEMOLITION WORK JUDGED BY THE ARCHITECT TO BE CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.
  - LOADING: DO NOT SUPERIMPOSE LOADS AT ANY POINT UPON EXISTING STRUCTURE BEYOND DESIGN CAPACITY INCLUDING LOADS ATTRIBUTABLE TO MATERIALS, CONSTRUCTION EQUIPMENT, DEMOLITION OPERATIONS AND SHORING AND BRACING.
  - VIBRATION: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD INDUCE VIBRATION INTO ANY ELEMENT OF THE STRUCTURE.
  - FIRE: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE ANY FIRE HAZARD UNLESS OTHERWISE APPROVED BY CONTRACTING OFFICER.
  - WATER: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE EXCESSIVE WATER RUN-OFF, AND WATER POLLUTION.
  - AIR POLLUTION: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE UNCONTROLLED DUST, FUMES, OR OTHER DAMAGING AIR POLLUTION.



## 2 OVERALL MEZZANINE DEMOLITION PLAN

AD100 SCALE: 1/8" = 1'-0"



### KEYNOTES LEGEND - DEMO

MARK	DESCRIPTION
102	EXISTING LIFT TO REMAIN. NOT IN CONTRACT (N.I.C.)
103	EXISTING LIFT TO BE REPLACED/INSTALLED BY OTHERS (N.I.C.). PATCH AND REPAIR FLOOR AS REQUIRED. CONTRACTOR TO VERIFY SEQUENCE OF CONSTRUCTION.
110	EXISTING FLOOR FINISH TO BE REMOVED; CLEAN AND PREP EXISTING CONCRETE SUBSTRATE FOR NEW FLOOR FINISH. PATCH AND REPAIR SURFACE AS REQUIRED. PREPARE WASH/CLEAN EXISTING TRENCH DRAINS AND COVER PLATES AS REQUIRED. PREPARE EXISTING STRIPED CIRCULATION AREAS TO RECEIVE NEW FINISH.
120	PREPARE INTERIOR WALL SURFACES AND ASSOCIATED EXISTING LOUVERS TO RECEIVE NEW FINISH. CLEAN, PREP, AND PATCH/REPAIR AS REQUIRED; CONTRACTOR TO VERIFY LOUVER QUANTITY.
121	POWER WASH EXTERIOR WALL SURFACES; PREPARE EXISTING LOUVERS TO RECEIVE NEW FINISH. CLEAN, PREP, AND PATCH/REPAIR AS REQUIRED; CONTRACTOR TO VERIFY QUANTITY OF LOUVERS.
124	EXISTING FENCE TO REMAIN. N.I.C.
125	PRESSURE WASH/CLEAN EXISTING CANOPY STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
128	EXISTING EXTERIOR COLUMN TO BE PRESSURE WASHED/CLEANED; PATCH/REPAIR SURFACE AS REQUIRED.
130	EXISTING OVERHEAD DOOR AND ALL RELATED HARDWARE TO BE REMOVED; PREPARE OPENING AS REQUIRED TO RECEIVE NEW DOOR.
132	PREPARE EXISTING DOOR AND FRAME TO RECEIVE NEW FINISH; CLEAN, PREP, AND PRIME AS REQUIRED; TYP.
148	PRESSURE WASH/CLEAN EXISTING STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
153	PREPARE EXISTING BOLLARD TO RECEIVE NEW FINISH; CLEAN, PREP, AND PATCH/REPAIR AS REQUIRED; TYP.
184	EXISTING OVERHEAD SECTIONAL DOOR AND ALL RELATED HARDWARE TO BE REMOVED; PREPARE OPENING AS REQUIRED TO RECEIVE NEW DOOR.

### LEGEND

- NOT IN SCOPE
- INDICATES ELEMENTS TO BE DEMO'D. SEE KEYNOTES FOR DETAILS
- LIFT TAG
- E# INDICATES EXISTING LIFTS
- # INDICATES LIFTS NOT IN SCOPE



## 1 OVERALL FIRST FLOOR DEMOLITION PLAN

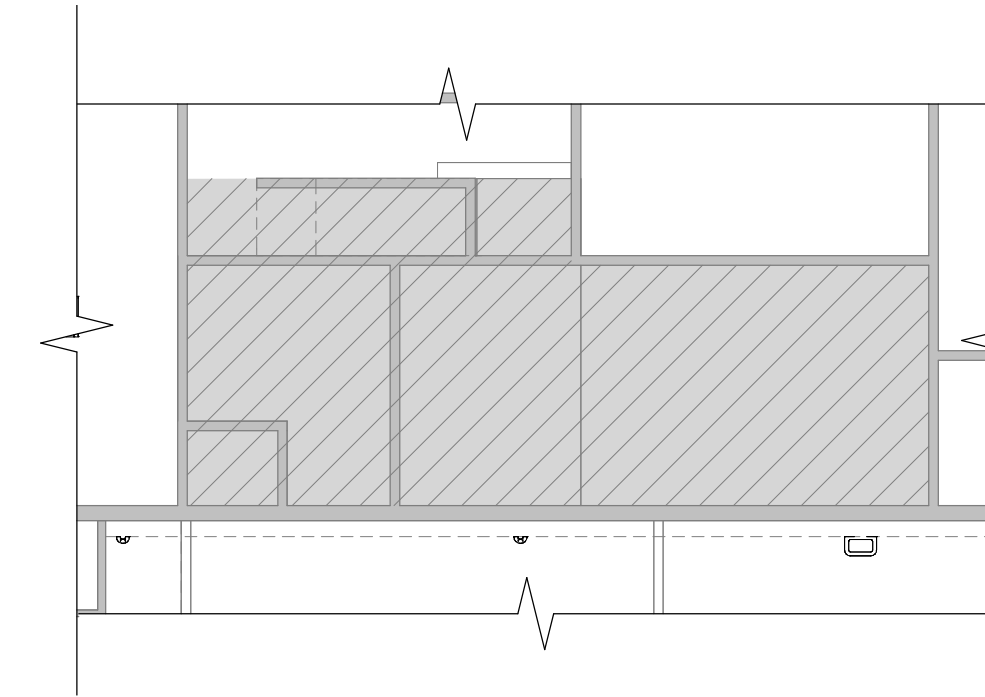
AD100 SCALE: 1/8" = 1'-0"

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## DEMO GENERAL NOTES

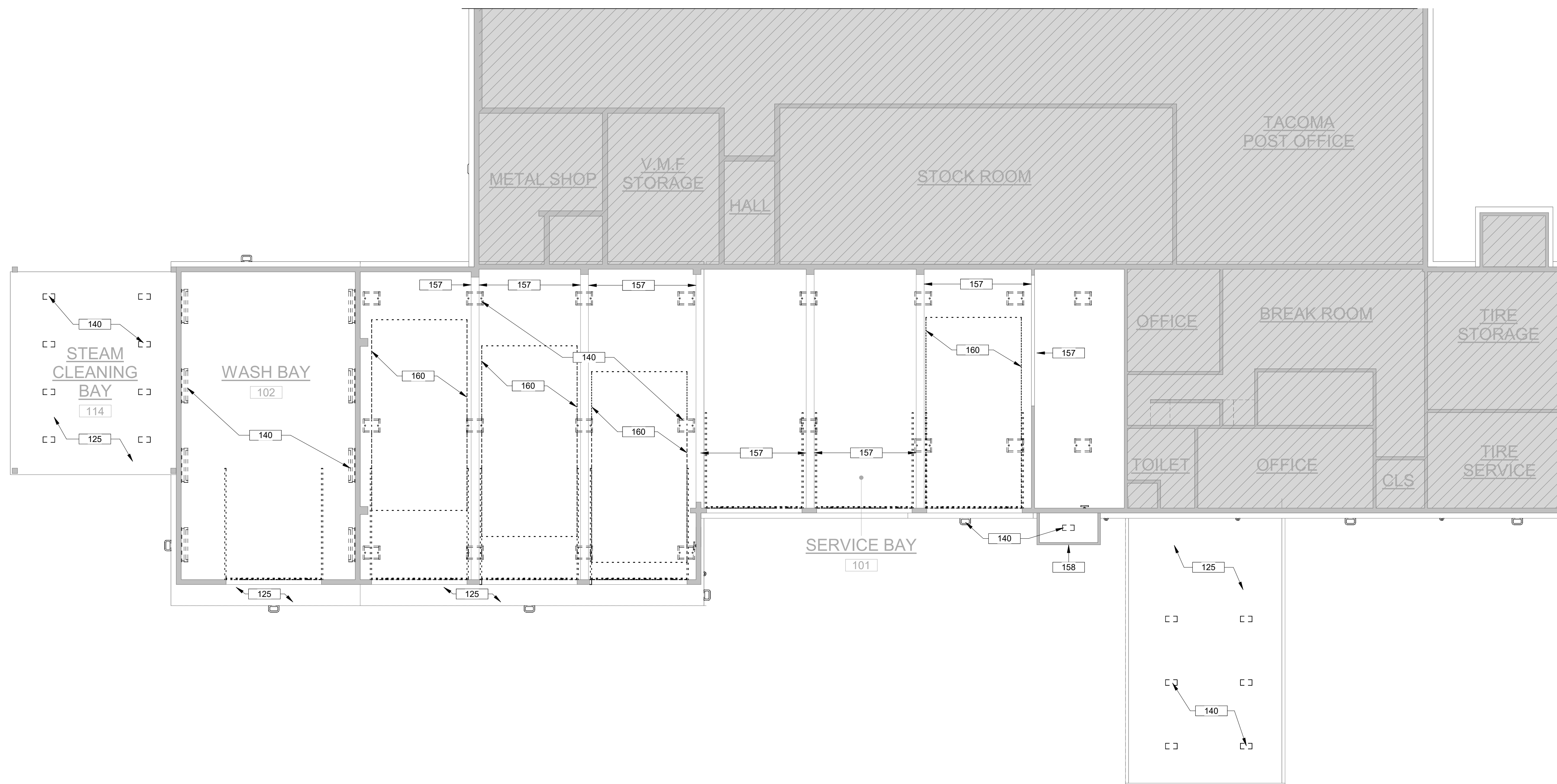
ITEMS BELOW APPLY TO DASHED LINES AS INDICATED ON THE DEMOLITION PLAN UNLESS OTHERWISE NOTED.

- THE BUILDING AREAS ADJACENT TO THE AREA OF CONSTRUCTION WILL REMAIN OCCUPIED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION FOR THE SAFETY AND PROTECTION OF ALL PERSONS IN THE BUILDING UNDER CONSTRUCTION FOR THE DURATION OF THE PROJECT.
- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY AND SHALL NOT BE CONSTRUED AS "AS-BUILT." THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- IN THE EVENT THAT QUESTIONABLE ENVIRONMENTAL MATERIALS ARE SUSPECTED OR IDENTIFIED BY THE CONTRACTOR, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY TO DETERMINE THE EXTENT OF MATERIAL AND THE COURSE OF ACTION.
- ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ELEMENTS WITHIN THE AREA OF DEMOLITION THAT ARE TO BE REMOVED, SHALL BE CUT AND CAPPED AND MADE SAFE BY A SUBCONTRACTOR TRADESMAN APPROPRIATE TO THE SCOPE PRIOR TO DEMOLITION AND REMOVAL WORK OCCURRING BY THE DEMOLITION SUBCONTRACTOR.
- ALL DASHED PARTITIONS, WALL FURRING, SURFACE APPLIED MATERIALS OR FINISHES (I.E. WALL COVERINGS, WOOD PANELING, ETC.) PIPE AND CHASE FURRING IN INTERIOR SPACES AND AT PERIMETER WALLS SHALL BE REMOVED FULL HEIGHT INCLUDING DOORS AND FRAMES, ETC. WITHIN THE PARTITIONS.
- REQUIREMENTS OF STRUCTURAL WORK: DO NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF LOAD-CARRYING CAPACITY OF LOAD/DEFLECTION RATIO.
- OPERATIONAL AND SAFETY LIMITATIONS: DO NOT CUT OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN A MANNER INTENDED OR RESULTING IN A DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
- VISUAL REQUIREMENTS: DO NOT CUT WORK WHICH IS EXPOSED ON THE EXTERIOR OR EXPOSED IN OCCUPIED SPACES OF THE BUILDING IN A MANNER RESULTING IN A REDUCTION OF VISUAL QUALITIES OR RESULTING IN SUBSTANTIAL EVIDENCE OF THE DEMOLITION WORK JUDGED BY THE ARCHITECT TO BE CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.
- LOADING: DO NOT SUPERIMPOSE LOADS AT ANY POINT UPON EXISTING STRUCTURE BEYOND DESIGN CAPACITY INCLUDING LOADS ATTRIBUTABLE TO MATERIALS, CONSTRUCTION EQUIPMENT, DEMOLITION OPERATIONS AND SHORING AND BRACING.
- VIBRATION: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD INDUCE VIBRATION INTO ANY ELEMENT OF THE STRUCTURE.
- FIRE: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE ANY FIRE HAZARD UNLESS OTHERWISE APPROVED BY CONTRACTING OFFICER.
- WATER: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE EXCESSIVE WATER RUN-OFF, AND WATER POLLUTION.
- AIR POLLUTION: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE UNCONTROLLED DUST, FUMES, OR OTHER DAMAGING AIR POLLUTION.



## 2 OVERALL MEZZANINE DEMOLITION REFLECTED CEILING PLAN

AD150 SCALE: 1/8" = 1'-0"

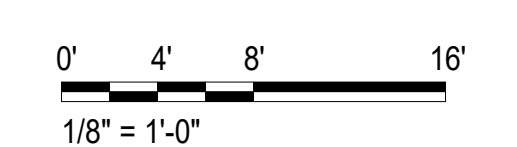
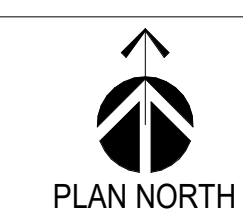


### KEYNOTES LEGEND - DEMO

MARK	DESCRIPTION
125	PRESSURE WASH/CLEAN EXISTING CANOPY STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
140	EXISTING LIGHT FIXTURES/ELECTRICAL EQUIPMENT AND ALL RELATED HARDWARE TO BE REMOVED. CONTRACTOR TO VERIFY EXISTING FIXTURE QUANTITY. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
157	PREPARE EXISTING BEAM TO RECEIVE NEW FINISH; CLEAN, PREP AND PATCH/REPAIR AS REQUIRED; TYP.
158	PRESSURE WASH/CLEAN EXISTING AWNING.
160	ALL UTILITIES, FIXTURES, MECHANICAL SYSTEMS OR ANY OBSTRUCTIONS WITHIN LIFT SERVICE AREAS SHALL BE RELOCATED ABOVE 16' - 3" A.F.F.

### LEGEND

- NOT IN SCOPE
- INDICATES ELEMENTS TO BE DEMO'D. SEE KEYNOTES FOR DETAILS



## 1 OVERALL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN

AD150 SCALE: 1/8" = 1'-0"

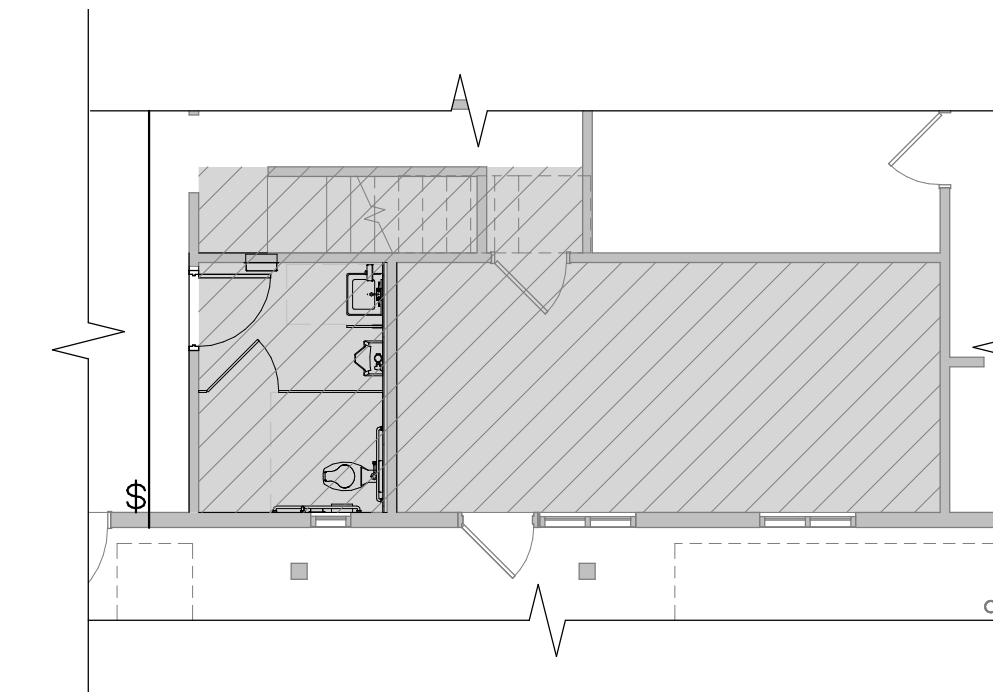
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## GENERAL NOTES

REFER TO G.002 FOR GENERAL NOTES

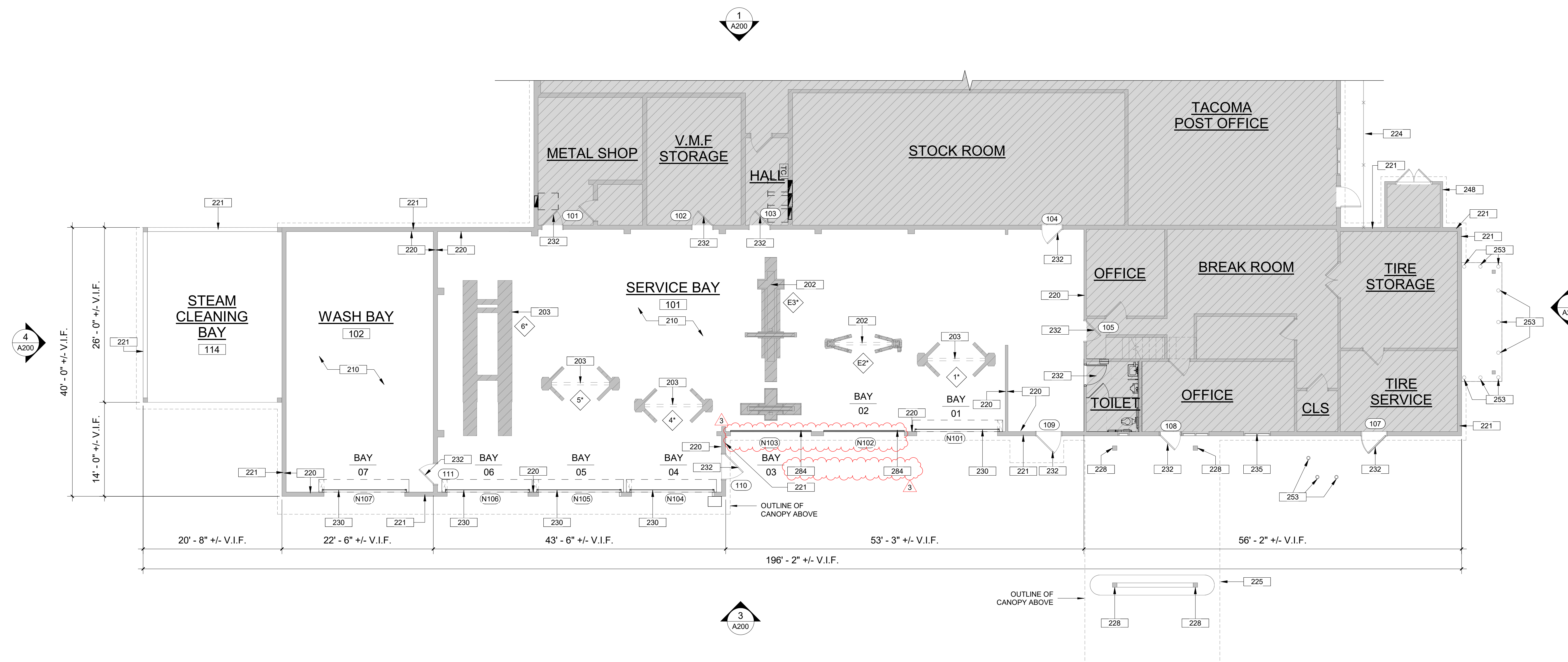
### KEYNOTES LEGEND

MARK	DESCRIPTION
202	EXISTING LIFT TO REMAIN. NOT IN CONTRACT (N.I.C.)
203	EXISTING LIFT TO BE REPLACED/INSTALLED BY OTHERS (N.I.C.). PATCH AND REPAIR FLOOR AS REQUIRED. CONTRACTOR TO VERIFY SEQUENCE OF CONSTRUCTION.
210	INSTALL NEW FLOOR SURFACE; CLEAN AND PREPARE EXISTING SUBSTRATE FOR NEW FLOOR FINISH. PRESSURE WASH/CLEAN EXISTING TRENCH DRAINS AND COVER PLATES AS REQUIRED. REPAINT STRIPED CIRCULATION AREAS TO MATCH EXISTING.
220	PAINT INTERIOR WALL SURFACES AND ASSOCIATED EXISTING LOUVERS; CLEAN, PREP, AND PRIME AS REQUIRED FOR NEW PAINT; TYP. U.N.O.; CONTRACTOR TO VERIFY LOUVER QUANTITY; LOUVER COLOR TO MATCH WALL COLOR. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
221	POWER WASH EXTERIOR WALL SURFACES; PAINT EXTERIOR LOUVERS; CLEAN, PREP, AND PRIME AS REQUIRED FOR NEW PAINT; LOUVER COLOR TO MATCH EXISTING; CONTRACTOR TO VERIFY QUANTITY OF LOUVERS.
224	EXISTING FENCE TO REMAIN. N.I.C.
225	PRESSURE WASH/CLEAN EXISTING CANOPY STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
228	PRESSURE WASH/CLEAN EXISTING EXTERIOR COLUMN.
230	NEW ROLL-UP DOOR ASSEMBLY; PAINT TO MATCH EXISTING; REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
232	EXISTING DOOR AND FRAME TO BE PAINTED; CLEAN, PREP AND PRIME AS REQUIRED FOR NEW FINISH. PAINT ALL SIDES AND EDGES OF DOOR/FRAME; REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION; TYP.
235	WASH/CLEAN INTERIOR AND EXTERIOR OF EXISTING WINDOW AND FRAME ASSEMBLY; TYP.
248	PRESSURE WASH/CLEAN EXISTING STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
253	PAINT EXISTING BOLLARD SAFETY YELLOW TO COMPLY WITH USPS STANDARDS; CLEAN, PREP AND PRIME AS REQUIRED FOR NEW FINISH; TYP.
284	NEW SECTIONAL DOOR ASSEMBLY; PAINT TO MATCH EXISTING; REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.



## 2 OVERALL PROPOSED MEZZANINE FLOOR PLAN

A100 SCALE: 1/8" = 1'-0"

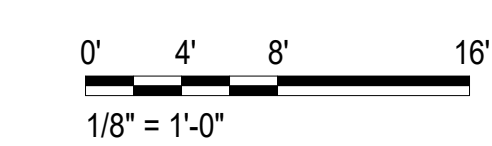
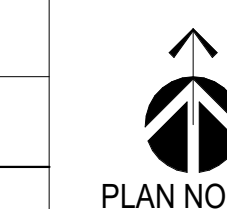


## 1 OVERALL PROPOSED FIRST FLOOR PLAN

A100 SCALE: 1/8" = 1'-0"

### LEGEND

- NOT IN SCOPE
- INDICATES ELEMENTS TO BE DEMO'D. SEE KEYNOTES FOR DETAILS
- LIFT TAG
- E# INDICATES EXISTING LIFTS
- N# INDICATES LIFTS NOT IN SCOPE



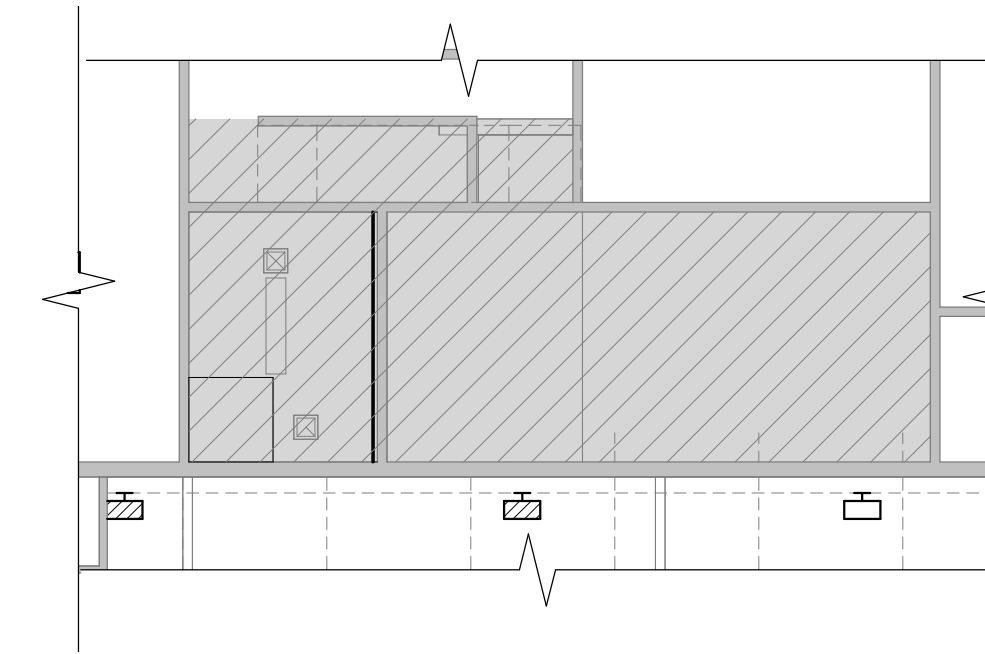
**GENERAL NOTES**

REFER TO G.002 FOR GENERAL NOTES

KEYNOTES LEGEND

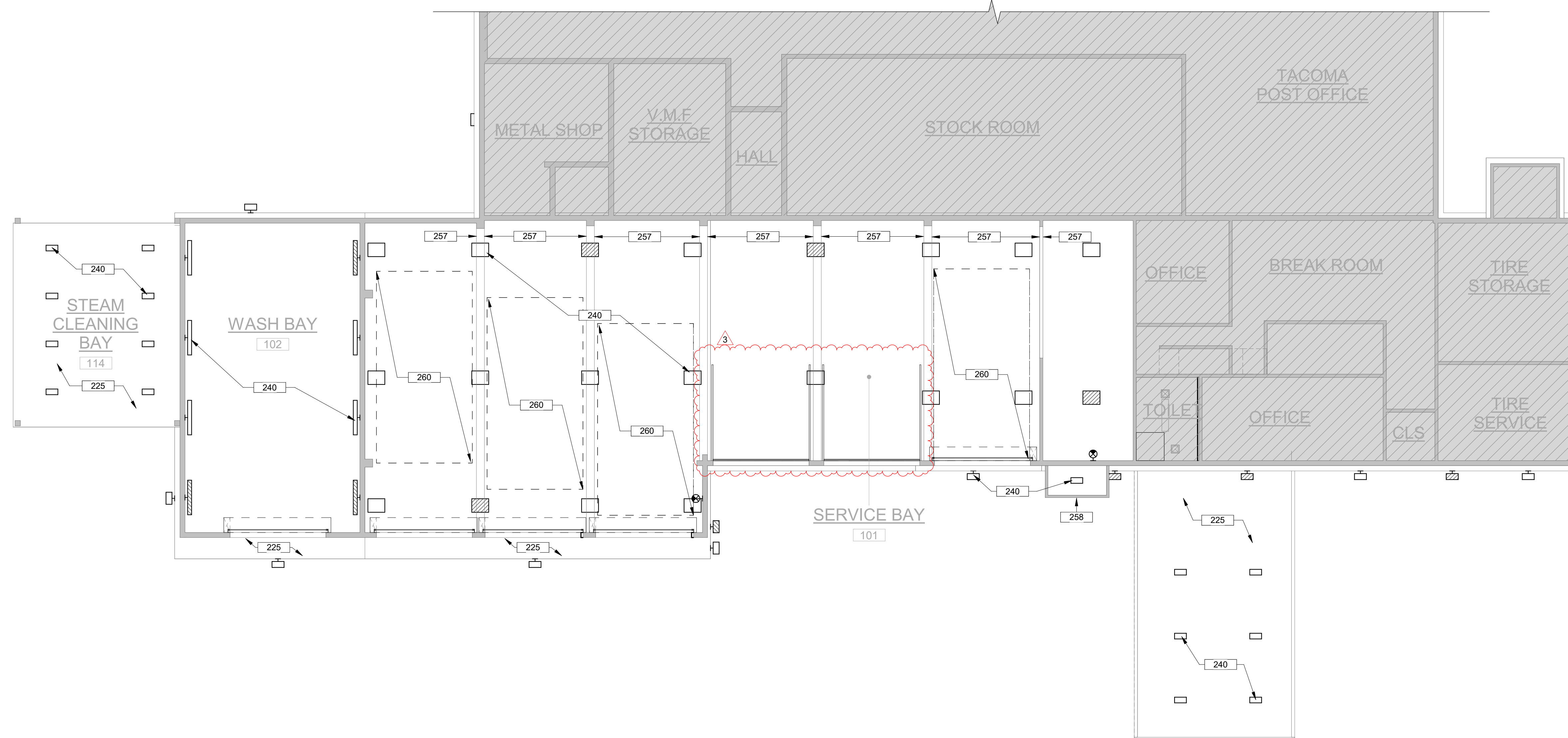
MARK	DESCRIPTION
225	PRESSURE WASH/CLEAN EXISTING CANOPY STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
240	NEW LIGHT FIXTURE ASSEMBLY/ELECTRICAL EQUIPMENT; TYP. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
257	PAINT EXISTING BEAM UNTIL CEILING; CLEAN, PREP AND PRIME AS REQUIRED FOR NEW FINISH; COLOR TO BE P-1; TYP.
258	PRESSURE WASH/CLEAN EXISTING AWNING.
260	ALL UTILITIES, FIXTURES, MECHANICAL SYSTEMS OR ANY OBSTRUCTIONS WITHIN LIFT SERVICE AREAS SHALL BE RELOCATED ABOVE 16'-3" A.F.F.

2.



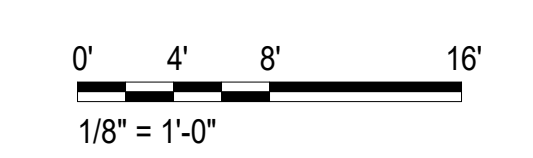
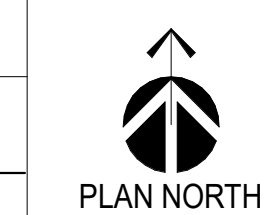
**2 OVERALL PROPOSED MEZZANINE REFLECTED CEILING PLAN**

A150 SCALE: 1/8" = 1'-0"



**LEGEND**

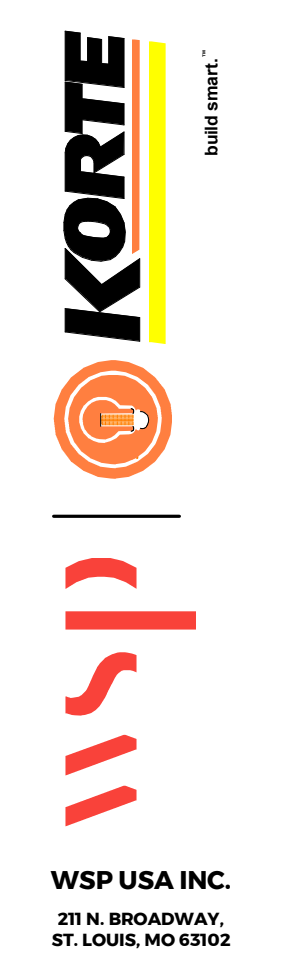
NOT IN SCOPE



**1 OVERALL PROPOSED FIRST FLOOR REFLECTED CEILING PLAN**

A150 SCALE: 1/8" = 1'-0"

DATE & TIME: 9/18/2024 4:50:13 PM



WSP USA INC.  
20 N. BROADWAY  
ST. LOUIS, MO 63102

TACOMA  
3825 S WARNER ST  
TACOMA, WA 98409



100% DESIGN SUBMITTAL  
09/18/2024  
Revision 3

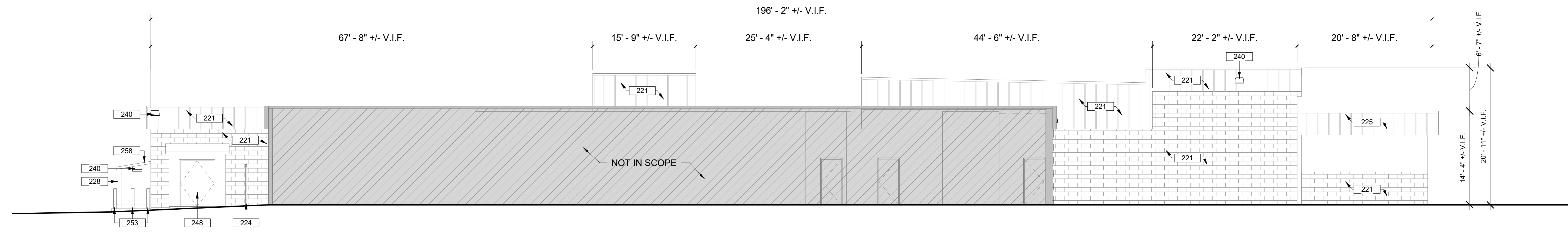
OVERALL PROPOSED FIRST FLOOR & MEZZANINE REFLECTED CEILING PLAN  
Date: Jan 26, 2024  
Project: TACOMA  
USPS File Number: E10234

### GENERAL NOTES

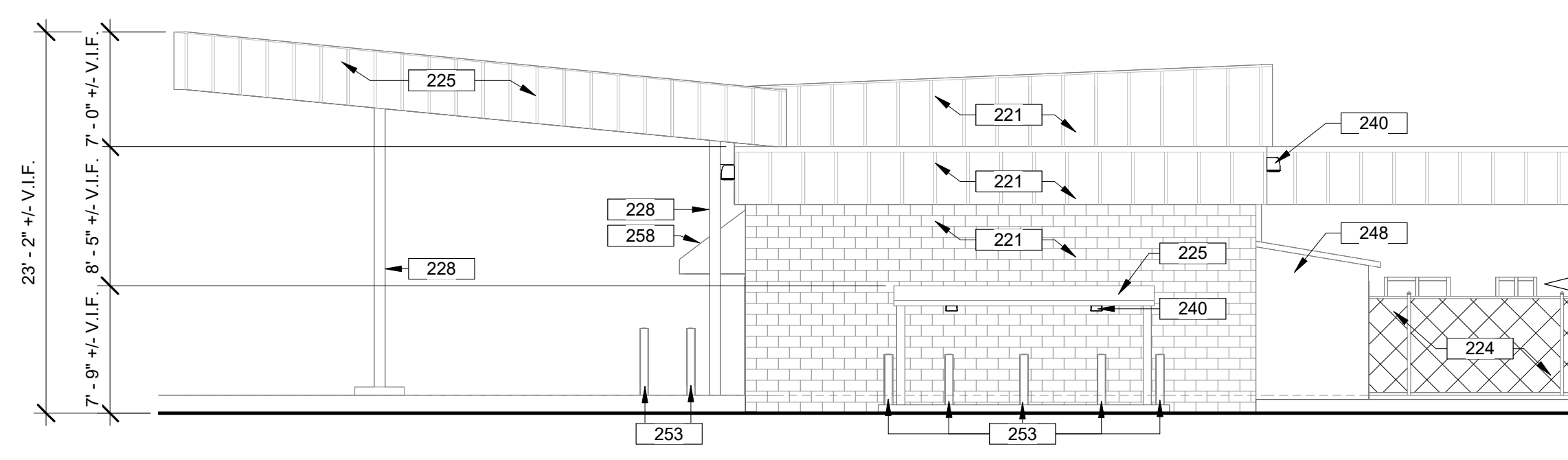
REFER TO G.002 FOR GENERAL NOTES

KEYNOTES LEGEND	
MARK	DESCRIPTION
221	POWER WASH EXTERIOR WALL SURFACES; PAINT EXTERIOR LOUVERS; CLEAN, PREP, AND PRIME AS REQUIRED FOR NEW PAINT; LOUVER COLOR TO MATCH EXISTING; CONTRACTOR TO VERIFY QUANTITY OF LOUVERS.
224	EXISTING FENCE TO REMAIN; N.I.C.
225	PRESSURE WASH/CLEAN EXISTING CANOPY STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
228	PRESSURE WASH/CLEAN EXISTING EXTERIOR COLUMN.
230	NEW ROLL-UP DOOR ASSEMBLY; PAINT TO MATCH EXISTING; REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
232	EXISTING DOOR AND FRAME TO BE PAINTED; CLEAN, PREP AND PRIME AS REQUIRED FOR NEW FINISH; PAINT ALL SIDES AND EDGES OF DOOR/FRAME; REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION; TYP.
235	WASH/CLEAN INTERIOR AND EXTERIOR OF EXISTING WINDOW AND FRAME ASSEMBLY; TYP.
240	NEW LIGHT FIXTURE ASSEMBLY/ELECTRICAL EQUIPMENT; TYP. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
248	PRESSURE WASH/CLEAN EXISTING STRUCTURE; PATCH/REPAIR SURFACE AS REQUIRED.
253	PAINT EXISTING BOLLARD SAFETY YELLOW TO COMPLY WITH USPS STANDARDS; CLEAN, PREP AND PRIME AS REQUIRED FOR NEW FINISH; TYP.
258	PRESSURE WASH/CLEAN EXISTING AWNING.
284	NEW SECTIONAL DOOR ASSEMBLY; PAINT TO MATCH EXISTING; REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

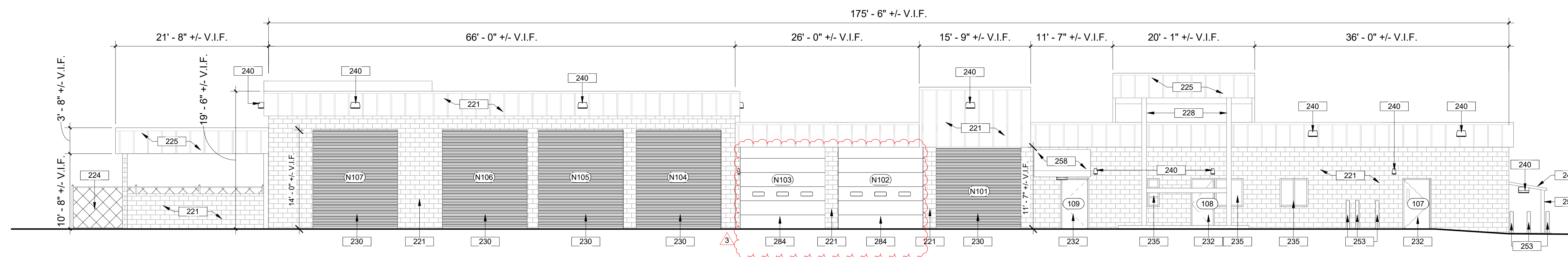
**1 NORTH ELEVATION**  
A200 SCALE: 1/8" = 1'-0"



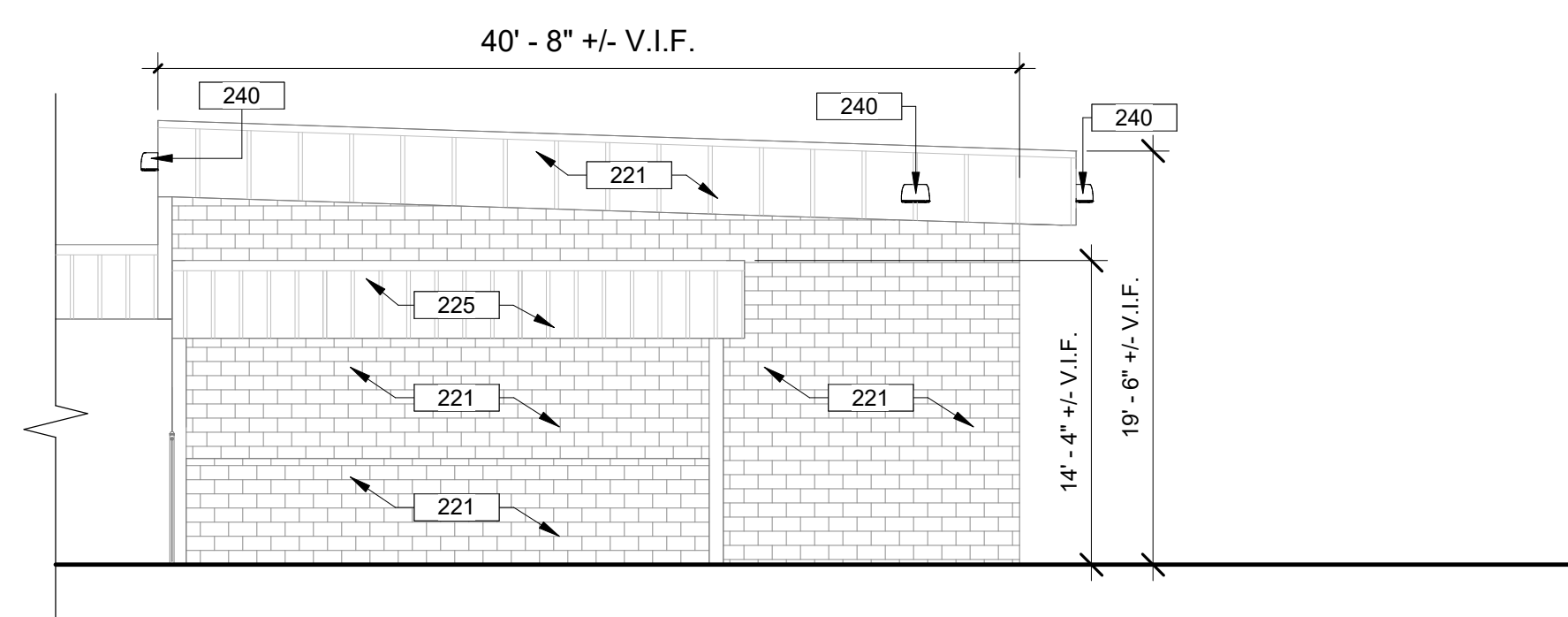
**2 EAST ELEVATION**  
A200 SCALE: 1/8" = 1'-0"



**3 SOUTH ELEVATION**  
A200 SCALE: 1/8" = 1'-0"



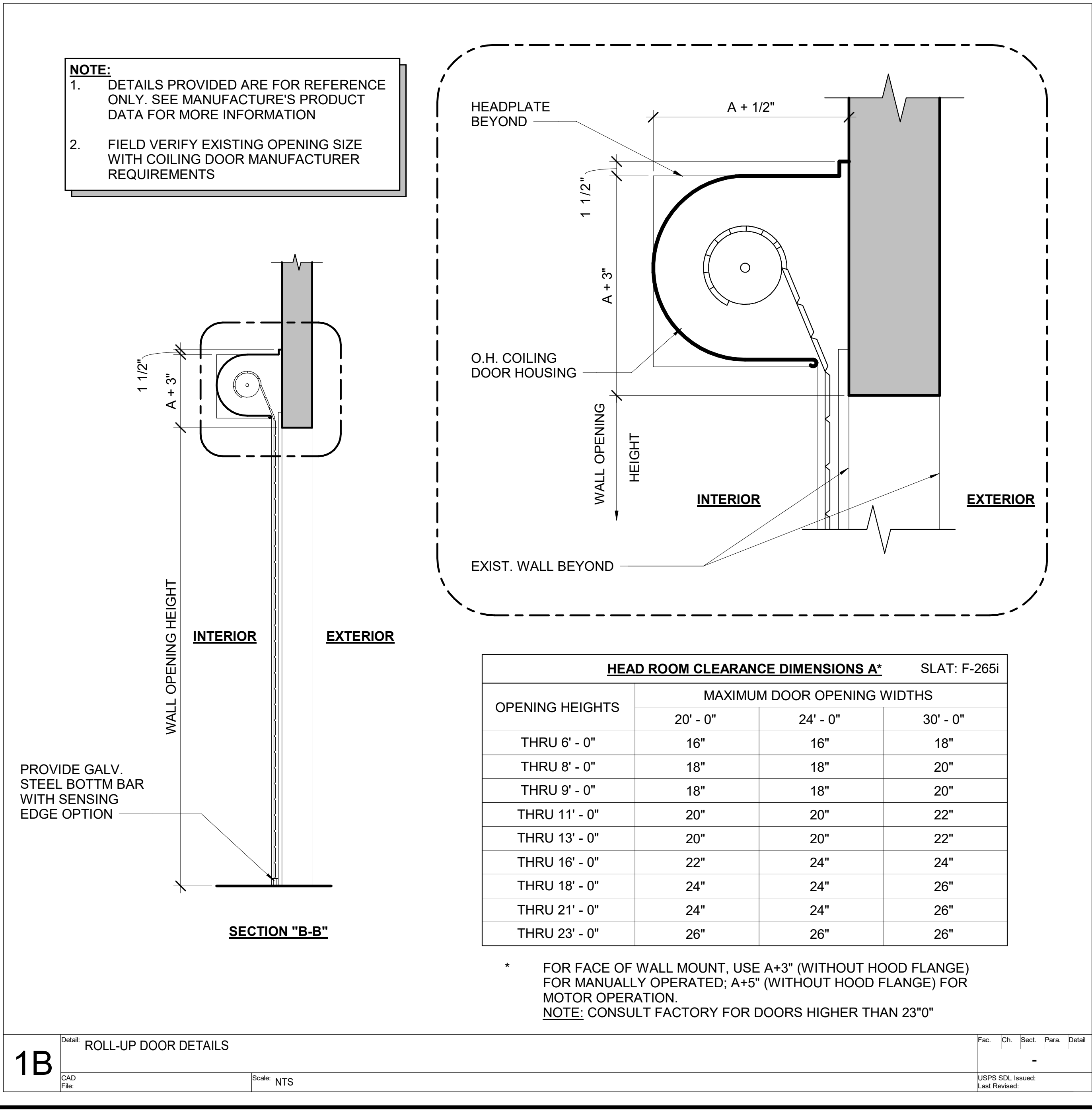
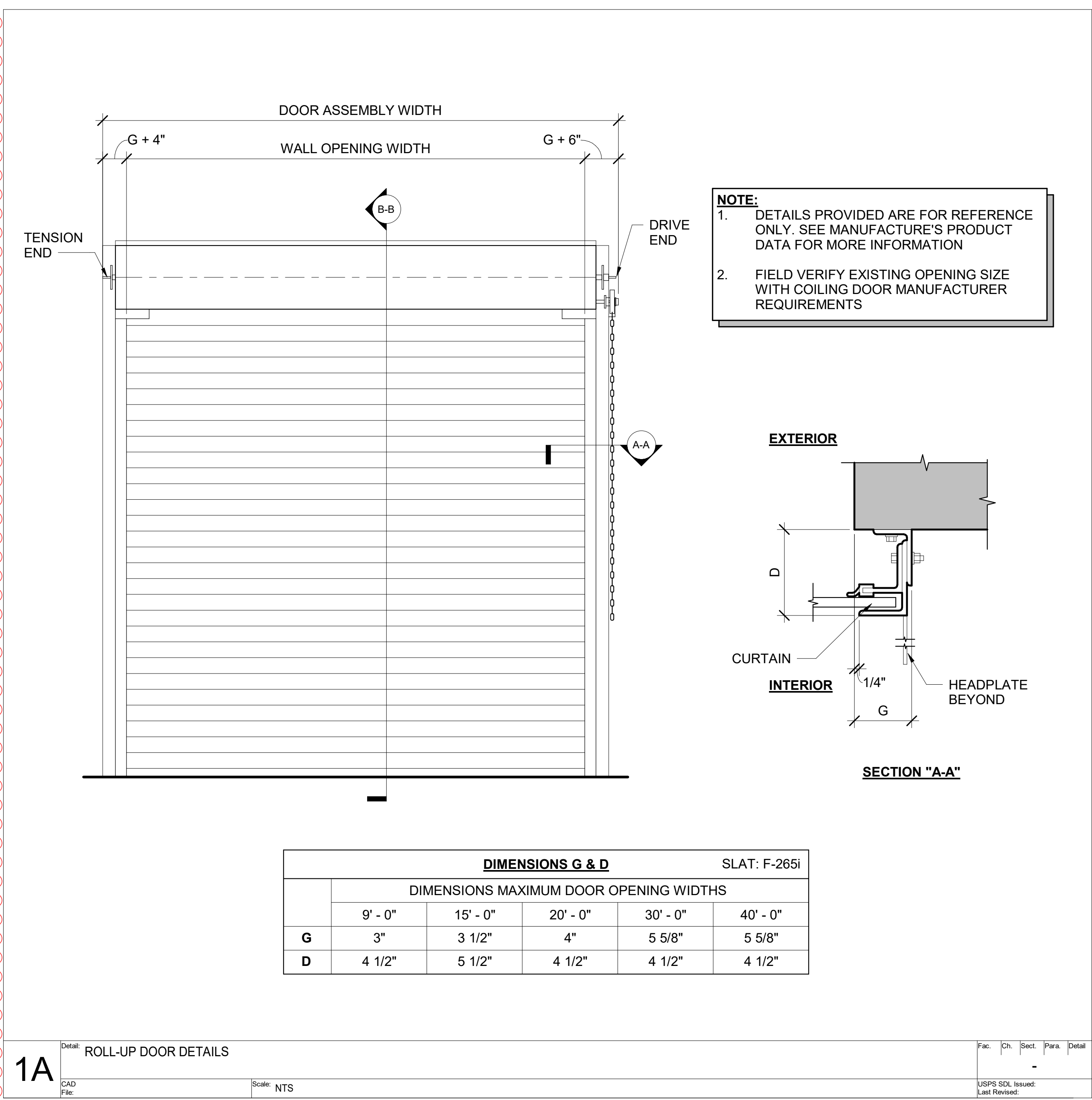
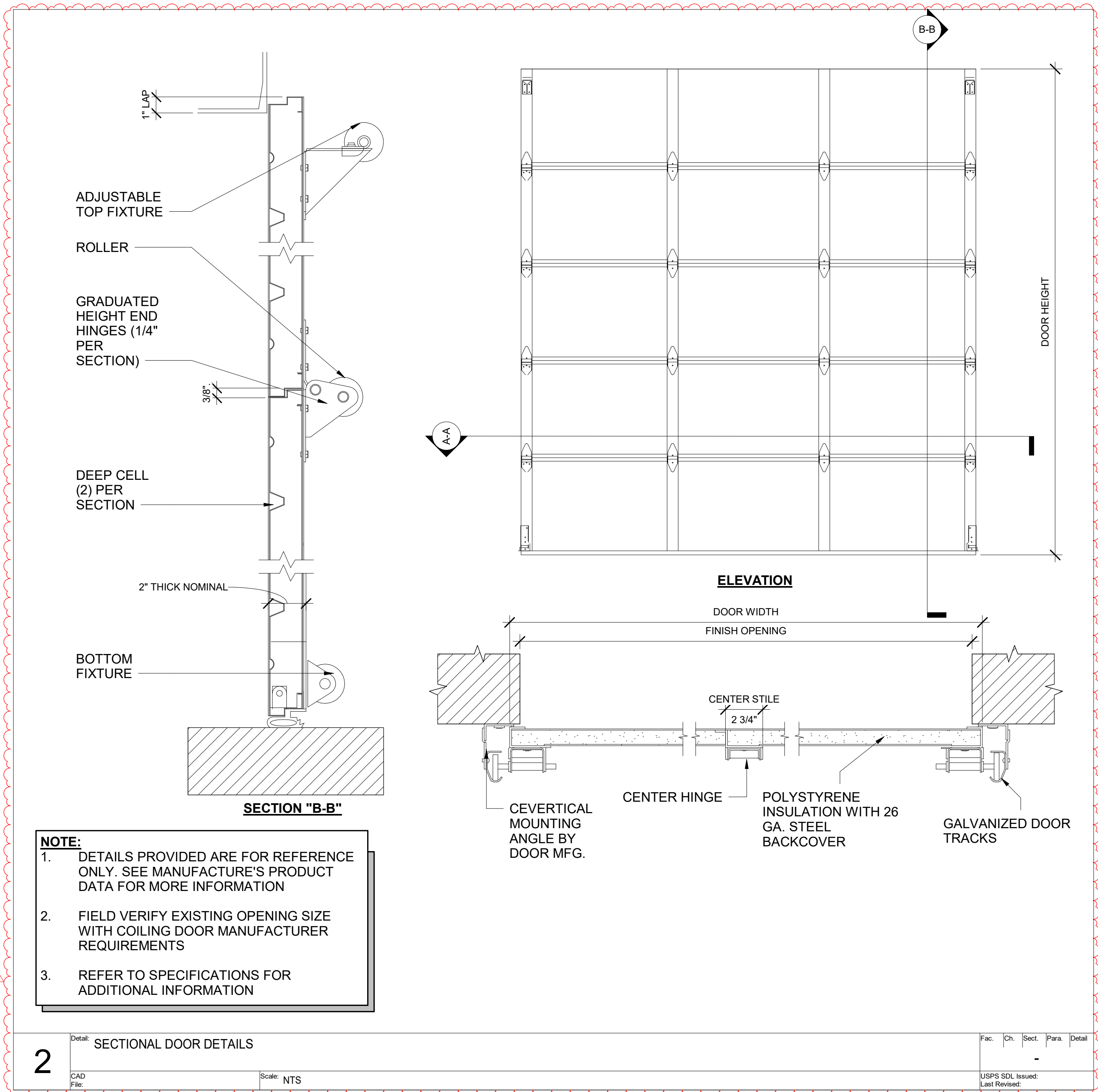
**4 WEST ELEVATION**  
A200 SCALE: 1/8" = 1'-0"



### LEGEND

NOT IN SCOPE





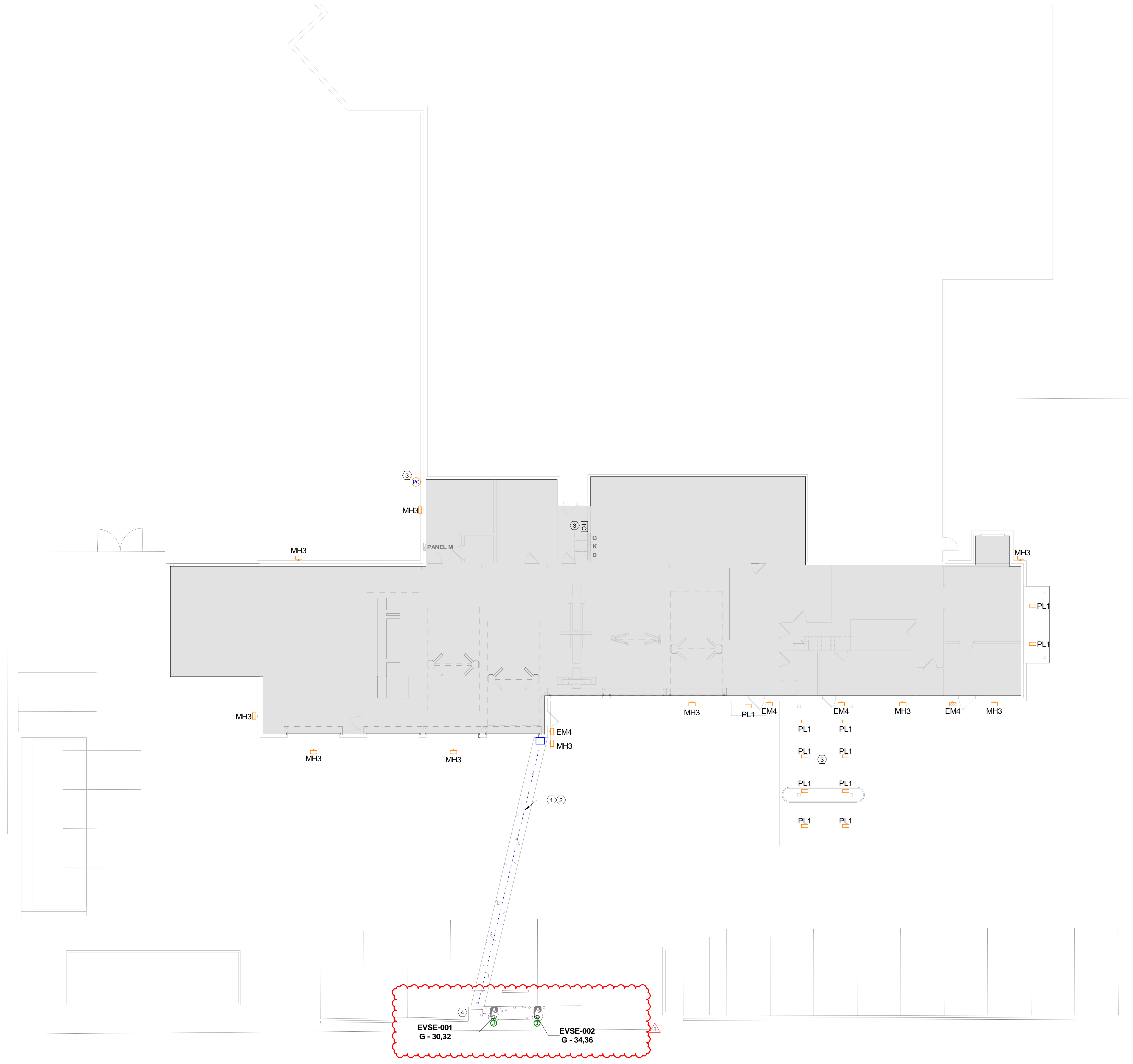




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# ELECTRICAL SITE PLAN

1  
ES100  
SCALE: 1" = 10'-0"

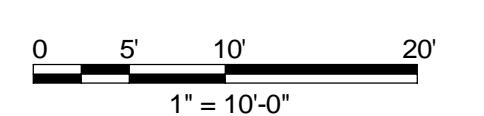


## GENERAL NOTES

- REFER TO E001 FOR SYMBOLS LEGEND.
- PROTECT EXISTING TO REMAIN CONDITIONS FROM DAMAGE DURING DEMOLITION AND/OR NEW CONSTRUCTION OPERATIONS.
- EXISTING CIRCUITING TO REMAIN SHALL BE RECONNECTED AS REQUIRED WHERE AFFECTED BY DEMOLITION OR NEW WORK TO MAINTAIN THE CONTINUITY OF THE CIRCUIT.
- ROUTING SHOWN ON PLANS DOES NOT ACCOUNT FOR EXISTING UTILITIES OR RACEWAYS THAT MAY BE PRESENT. COORDINATE ALL EXCAVATION WITH GENERAL CONTRACTOR AND CIVIL CONTRACTOR.
- PROVIDE HAND HOLES PER NEC FOR POWER.
- ALL BUILDING ENTRY POINTS SHALL BE COORDINATED WITH GENERAL CONTRACTOR/USPS FOR PHASING AND EXACT LOCATION.
- PROVIDE CONCRETE DUCTBANK FOR AREAS UNDER VEHICLE TRAFFIC OR PARKING.
- ALL CONDUIT SIZING AND ROUTING SHOWN FOR PROCUREMENT AND COORDINATION PURPOSES AND SHALL BE VERIFIED WITH FINAL EQUIPMENT DIMENSIONS.
- ALL UNDERGROUND WIRING SHALL BE INSTALLED IN PVC CONDUIT AND BURIED AT A DEPTH OF NOT LESS THAN 2 FT. BELOW GRADE. SEAL CONDUITS TERMINATING BELOW GRADE TO PREVENT ENTRY OF DIRT OR MOISTURE. PROVIDE RED DETECTABLE WARNING TAPE 12 INCHES ABOVE ALL UNDERGROUND CONDUIT ROUTINGS. SPLICES SHALL BE TERMINATED ABOVE GRADE. PROVIDE PVC ELBOWS AND CONDUIT TURNING UP FROM GRADE.
- COORDINATE WITH GC AND ALL TRADES TO DISCONNECT AND MAKE SAFE ANY POWERED EQUIPMENT THAT SHALL BE DEMOLISHED.
- MAINTAIN AT LEAST 12" SEPARATION BETWEEN 480V AND 208V CONDUIT WHERE POSSIBLE.
- REFER TO E100s SECTION FOR LIGHTING CIRCUITING INFORMATION.
- REFER TO E500s SECTION FOR EXTERIOR LIGHTING CONTROL INFORMATION.
- REFER TO E500s SECTION FOR EVSE DETAIL.
- ALL THE EXTERIOR AND CANOPY LIGHTS ARE CONTROLLED BY PHOTOCELL AND TIME SWITCH.

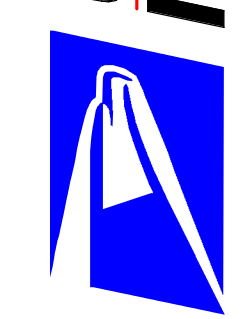
## LEGEND NOTES

- TRANSITION ELECTRICAL RACEWAYS FOR CHARGERS OVERHEAD FROM HALL TO UNDERGROUND. PROVIDE PULL BOXES AS NECESSARY PER NEC AND COORDINATE LOCATION WITH EXISTING UTILITIES AND STRUCTURE. COORDINATE EXCAVATION PATHWAYS WITH GC. COORDINATE PHASING OF EXCAVATION/SAWCUTTING FOR ELECTRICAL WORK WITH GC AS TO NOT AFFECT NEW PAVEMENT AND STRIPING WORK.
- REFER TO DETAILS 1 AND 2 ON E500s SECTION FOR UNDERGROUND ELECTRICAL RACEWAY REQUIREMENTS.
- CANOPY AND EXTERIOR WALL MOUNTED LIGHTS ARE CONTROLLED BY PHOTOCELL AND TIME SWITCH. REFER SHEET E500s SECTION FOR SITE LIGHTING CONTROL DETAILS.
- ROUTE AND TERMINATE SPARE CONDUIT AT THE PULL BOX PRIOR TO ELECTRICAL EQUIPMENT FOR FUTURE EVSE EXPANSION. USE ELECTRICAL PULL BOX SUITABLE FOR CONDUIT DUCT BANK SIZE AND ADDITIONAL NOTES ON PULL BOX REQUIREMENTS, AS SHOWN ON E500s SECTION.



**ES100** ELECTRICAL SITE PLAN  
 Scale: AS NOTED Date: Jan 26, 2024  
 Project: TACOMA VMF  
 USPS File Number: E10234

90% DESIGN SUBMITTAL



**UNITED STATES POSTAL SERVICE**

TACOMA VMF  
 3825 S WARNER ST  
 TACOMA, WA 98409

WSP USA INC.  
 2718 BROADWAY  
 ST. LOUIS, MO 63102

**KORTE**  
 BUILDING

WSP

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### DEMO NOTES - POWER

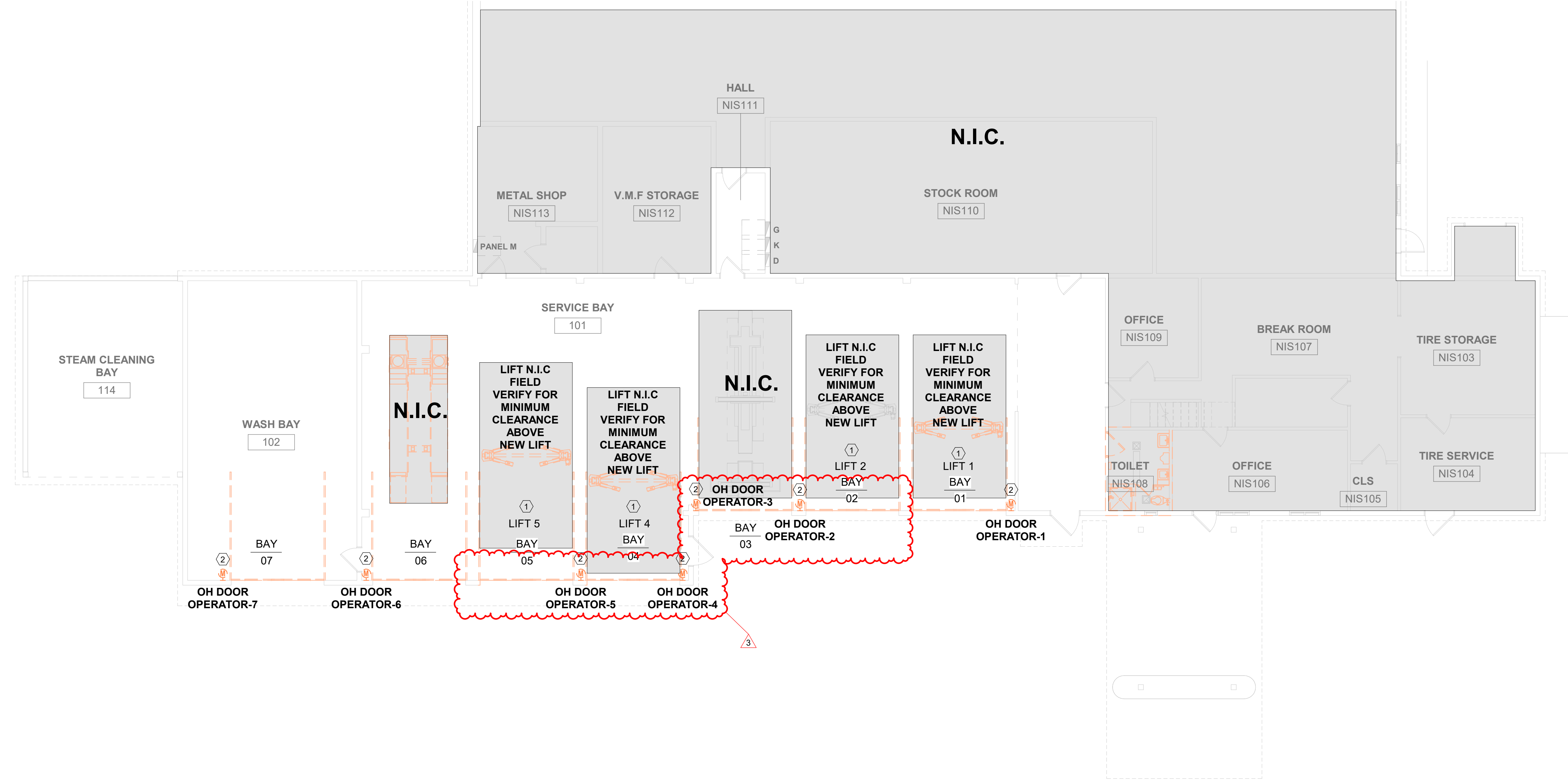
- A. DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION.
- B. PROVIDE DEMOLITION WORK SHOWN ON THE DRAWINGS AND RELATED AND INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE NEW CONSTRUCTION WORK.
- C. FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING ANY DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ENGINEER FOR REVIEW.
- D. PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION AND/OR NEW CONSTRUCTION OPERATIONS.

### LEGEND NOTES

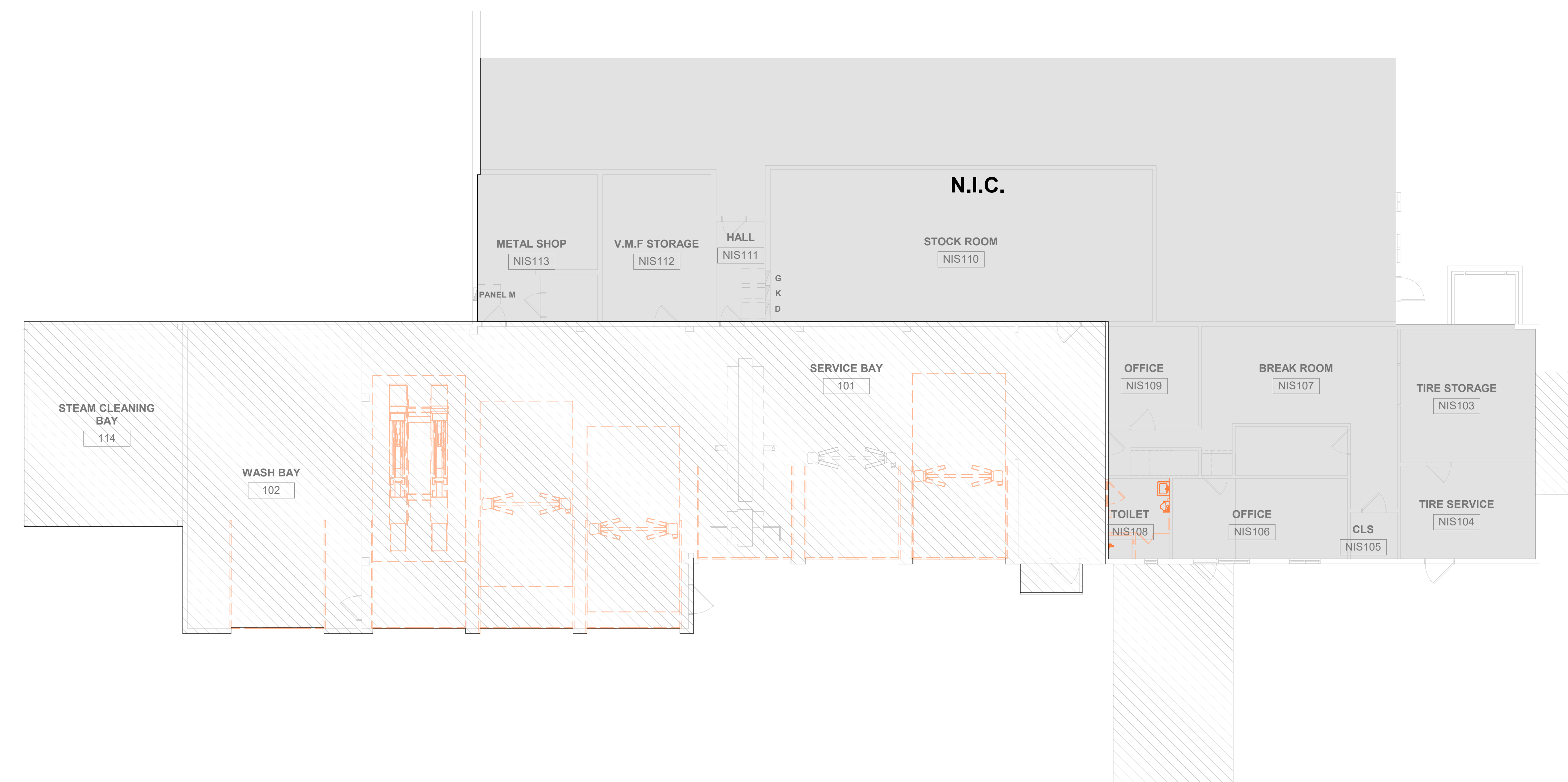
- 1. COORDINATE WITH GENERAL CONTRACTOR TO DISCONNECT AND MAKE SAFE ANY EQUIPMENT ABOVE THIS LIFT. EQUIPMENT AND UTILITY ROUTING SHALL BE ADJUSTED TO INCREASE CLEARANCE ABOVE LIFT AREA TO 18'-3" A.F.F. MINIMUM. FIELD VERIFY EXTENT OF WORK (CONDUITS, ETC.) THAT SHALL BE MODIFIED TO ACCOMMODATE MIN. CLEARANCE HEIGHT DURING PREPROPOSAL MEETING.
- 2. DISCONNECT, DEMO EXISTING OVERHEAD DOOR CONNECTIONS AND ASSOCIATED CONDUITS. CONNECT NEW OVERHEAD DOOR TO EXISTING PANEL AND CIRCUIT BREAKERS SAVED FROM DEMOLITION. EC HAS TO FIELD VERIFY THAT THE EXISTING CIRCUIT BREAKER ARE PROPER WORKING CONDITION, IF NOT REPLACE WITH NEW CIRCUIT BREAKER.

### DEMO NOTES - LIGHTING

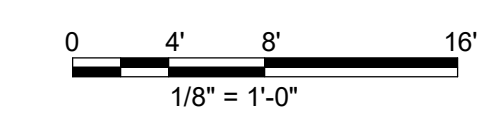
- A. LIGHT FIXTURES AND ASSOCIATED LIGHTING CIRCUITRY & CONTROLS WITHIN THE INDICATED LIGHTING DEMOLITION AREAS TO BE REMOVED. CONTRACTOR SHALL REMOVE CONDUCTORS BACK TO SOURCE. REFER TO NEW WORK LIGHTING PLANS PRIOR TO START OF DEMOLITION. TRACE LIGHTING BACK TO PANEL AND VERIFY CIRCUIT NUMBER. ONLY VERTICAL CONDUIT HIDDEN IN BLOCK OR FINISHED WALLS MAY BE RE-USED TO MINIMIZE PATCHWORK. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND PREPARE PANELS FOR NEW CIRCUIT.
- B. DISCONNECT AND REMOVE LIGHT SWITCHES AND ASSOCIATED WIRING AND CONDUIT ON EXISTING WALLS THAT ARE TO REMAIN WITHIN INDICATED LIGHTING DEMOLITION AREAS. REMOVE BRANCH CIRCUITS BACK TO EXISTING PANELS AND MARK AS "SPARE." LIGHTING CONTROLS TO BE REPLACED IN NEW WORK PHASE. PLACE NEW LIGHTING CONTROLS DEVICES IN LOCATION TO MINIMIZE PATCH WORK.
- C. DISCONNECT EXTERIOR BUILDING MOUNTED LIGHTS. COORDINATE WITH GC TO PATCH AFTER DEMOLITION.

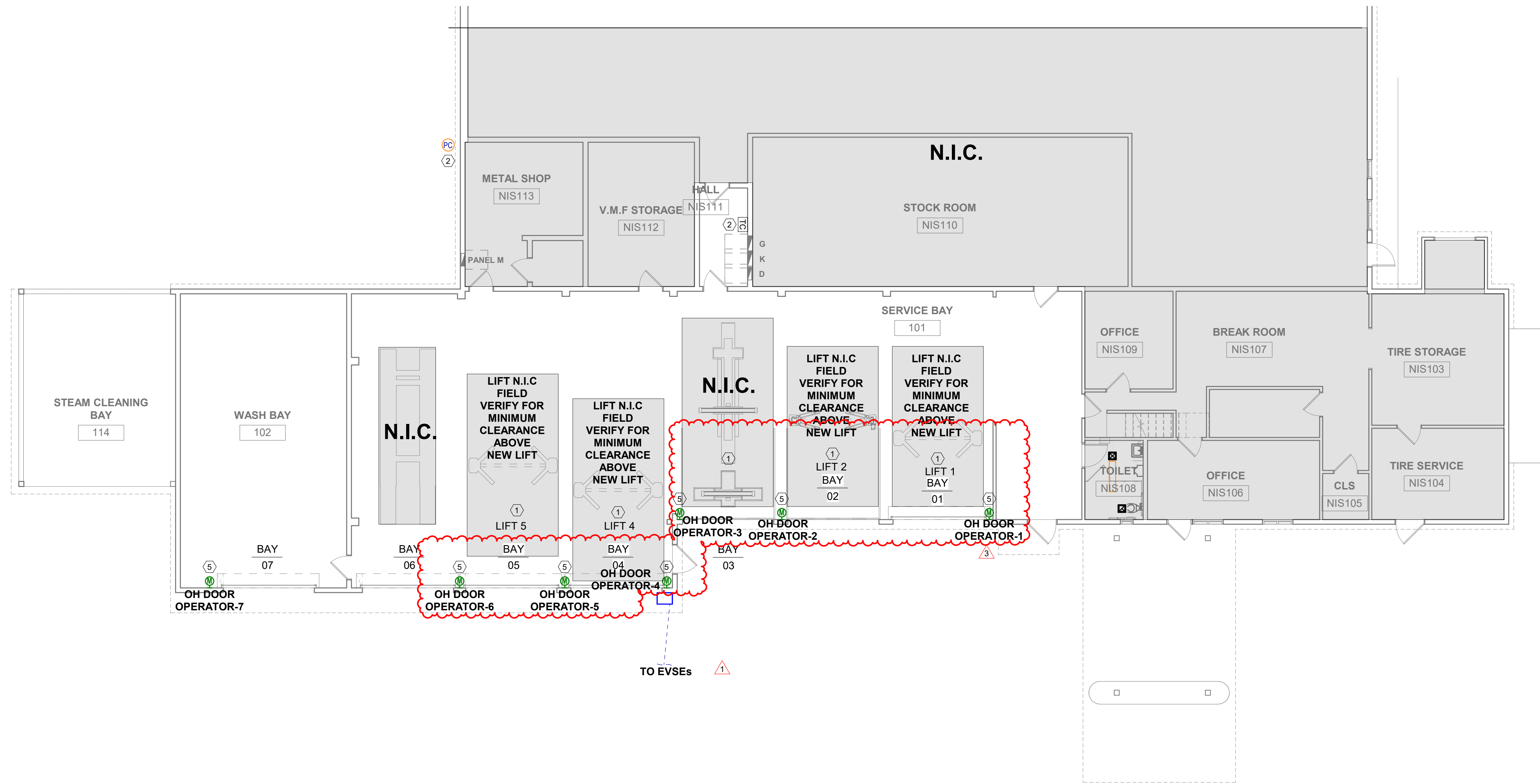


**1** ELECTRICAL DEMOLITION PLAN - POWER  
ED100 SCALE: 1/8" = 1'-0"



**2** ELECTRICAL DEMOLITION PLAN - LIGHTING  
ED100 SCALE: 1/8" = 1'-0"





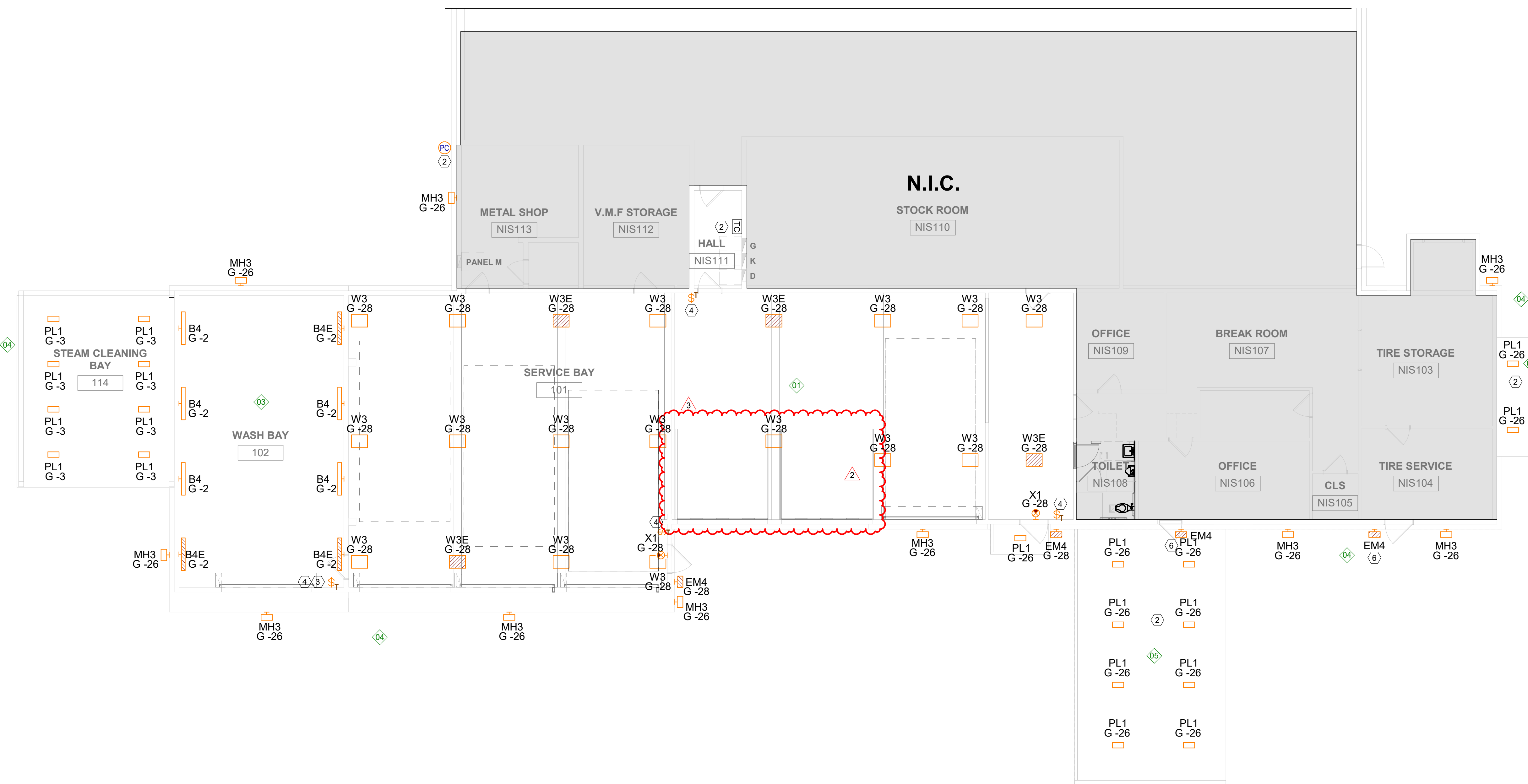
**GENERAL NOTES**

- A. REFER TO E001 FOR SYMBOL LEGEND, ABBREVIATIONS, AND NOTES.
- B. REFER TO E400 FOR ONE-LINE DIAGRAMS, AND PANEL SCHEDULES.
- C. REFER TO E401 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTROLS SCHEDULE.
- D. REFER TO E500s SECTION FOR DETAILS.
- E. COORDINATE WITH GENERAL CONTRACTOR FOR FINAL LIGHT LOCATIONS WITH VERIFIED EXISTING BUILDING DIMENSIONS AND FINAL LIFT LOCATIONS TO MAINTAIN CLEARANCES AROUND AND ABOVE LIFT FOR VEHICLES.

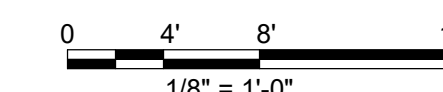
**LEGEND NOTES**

- 1. COORDINATE WITH GENERAL CONTRACTOR TO DISCONNECT AND MAKE SAFE ANY EQUIPMENT ABOVE THIS LIFT. EQUIPMENT AND UTILITY ROUTING SHALL BE ADJUSTED TO INCREASE CLEARANCE ABOVE LIFT AREA TO 16'-3" A.F.F. MINIMUM. FIELD VERIFY EXTENT OF WORK (CONDUITS, ETC.) THAT SHALL BE MODIFIED TO ACCOMMODATE MIN. CLEARANCE HEIGHT DURING PREPROPOSAL MEETING.
- 2. CANOPY AND EXTERIOR WALL MOUNTED LIGHTS ARE CONTROLLED BY PHOTOCELL AND TIME SWITCH. REFER TO E500s SECTION FOR SITE LIGHTING CONTROL DETAILS.
- 3. PROVIDE NEMA 6P ENCLOSURES FOR LIGHTING CONTROL DEVICES IN WASH BAY.
- 4. TIME SWITCH FOR HIGH OUTPUT PROGRAMMED FOR MAXIMUM OF 4 HRS. REFER TO LIGHTING CONTROL SCHEDULE ON E500s SECTION FOR MORE INFORMATION.
- 5. DISCONNECT, DEMO EXISTING DOOR OPERATOR AND MOTOR UNITS. INSTALL NEW DOOR OPERATOR AND MOTOR UNITS IN SAME LOCATIONS AS EXISTING UNITS AND CONNECT TO EXISTING PANEL AND CIRCUITBREAKERS. REFER TO SHEET E500s SECTION FOR MOTOR DETAILS.
- 6. CIRCUIT NEW BATTERY-BACKED EMERGENCY LIGHT FIXTURE TO EXISTING INTERIOR LIGHTING CIRCUIT. PROVIDE UNSWITCHED HOT CONDUCTOR TO SENSE NORMAL POWER LOSS.

**1 ELECTRICAL POWER PLAN**  
SCALE: 1/8" = 1'-0"



**2 ELECTRICAL LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"



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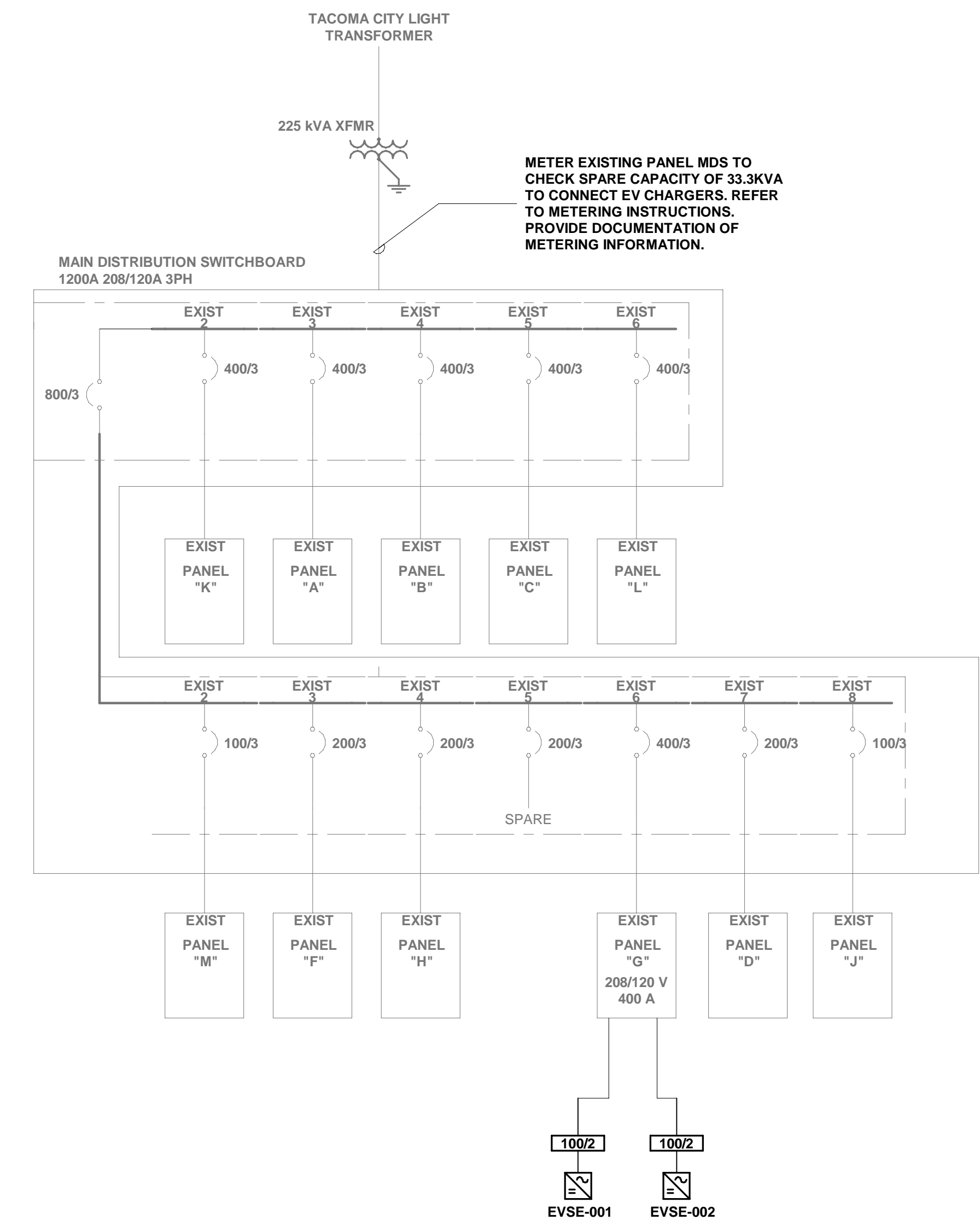
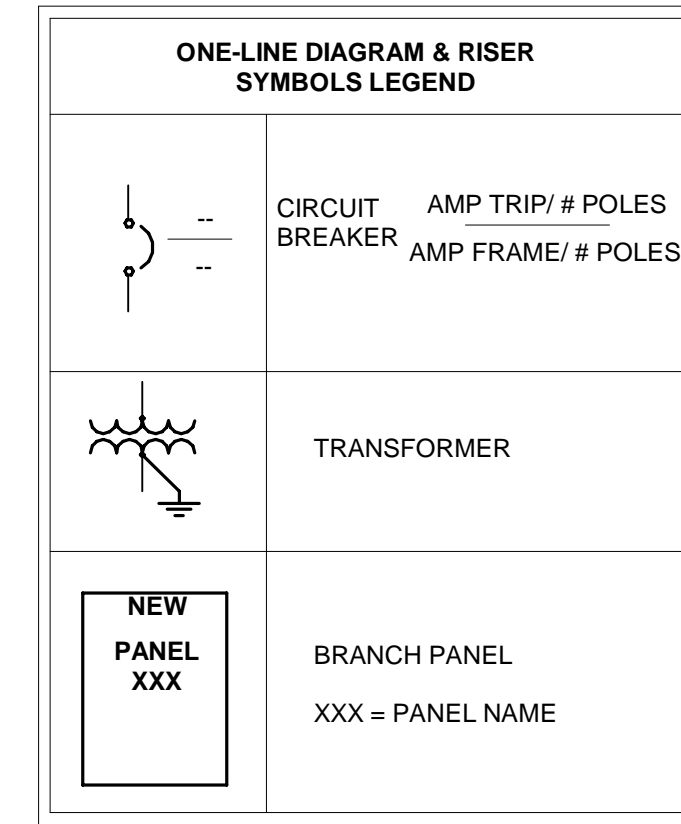
COPPER WIRE & CONDUIT SCHEDULE									
TAG	AMPACITY	PHASE		NEUTRAL		GROUND		CONDUIT	
		NO. WIRES	SIZE (AWG OR KCML)	NO. WIRES	SIZE (AWG/KCML)	NO. WIRES	SIZE (AWG/KCML)	QTY.	SIZE
100	100	3	#3	-	-	1	#8	1	1 1/4"
100/2	100	2	#1	-	-	1	#6	1	1 1/4"
100N	100	3	#3	1	#3	1	#8	1	1 1/4"

**NOTES:**

- SIZES BASED ON THHN/THWN/THWN-2 CONDUCTORS AND PVC/EMT CONDUIT SIZES IN NEC TABLE 9. EXTERIOR CONDUCTORS SHALL BE 90° XHHW
- AMPACITY BASED ON 60°C RATING
- FEEDERS SERVING TRANSFORMERS DO NOT REQUIRE A GROUND. FOR TRANSFORMERS GEC, MATCH SIZE OF EGC SHOWN ON FEEDER SCHEDULE.
- COMPACT STRANDED ALUMINUM CONDUCTORS MAY BE USED FOR CONDUCTORS #1/0 AND LARGER IF EQUIPPED WITH COMPRESSION LUGS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

ELECTRICAL LOAD ANALYSIS (984- TACOMA VMF)	
UTILITY PROVIDER	TACOMA POWER
UTILITY CONTACT	Jordan Whiteley jwhiteley@cityoftacoma.org 253-244-8057
VMF FED BY MAIN BUILDING	YES
EXISTING MAIN BUILDING TRANSFORMER SIZE (IF APPLICABLE)	225kVA
VMF DISTRIBUTION VOLTAGE	208/120 V
EXISTING VMF TRANSFORMER SIZE	N/A
EXISTING VMF DISTRIBUTION SIZE (MCB)	1200 A
VMF BUILDING CAPACITY (80% OF MCB)	960 A
MAX KW AVAILABLE	225 KW
EXISTING PEAK LOAD MONTH	85 KW
NEC EXISTING LOAD FACTOR OF 25% PEAK	21.25 KW
REMAINING CAPACITY	118.75 KW
ADDED CHARGER LOAD	(2) CHARGERS AT 16,640 W EACH =33.3KW (208V 1Ø)
UTILITY UPGRADE NEEDED	NO
FEEDER FROM MAIN BUILDING UPGRADE NEEDED (IF APPLICABLE)	NO
NOTES	PEAK CONSUMPTION INFORMATION OBTAINED FROM BILLS

**NOTES:** SCOPE OF WORK IS RENOVATION OF EXISTING BUILDING. ONLY NEW/ADDED LOADS ARE SHOWN ON PANEL SCHEDULES.



**1 ELECTRICAL ONE-LINE DIAGRAM**  
SCALE: NTS

TRANSFORMER SCHEDULE											
IDENTIFICATION	KVA	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	ENCLOSURE TYPE	MOUNTING STYLE	LOCATION	K-RATING	WINDINGS	TEMPERATURE RATING	NOTES

LIFTS ELECTRICAL REQUIREMENTS SCHEDULE																						
NAME	DESCRIPTION	LOCATION	HP	VOLTAGE	PHASE	MCA	MOCP	ENCLOSURE TYPE	FURNISHED BY	INSTALLED BY	DISCONNECT			CONTROL DEVICE			FEEDER INFORMATION					REMARKS
											TYPE	SWITCH/ FUSE SIZE	LOCATION	FURNISHED BY	WIRED BY	TYPE	PANEL	CIRCUIT	(L.C.) QTY	LINE	(GND) QTY	

OVERHEAD DOOR ELECTRICAL REQUIREMENT SCHEDULE																								
NAME	DESCRIPTION	LOCATION	HP	VOLTAGE	PHASE	MCA	MOCP	ENCLOSURE TYPE	FURNISHED BY	INSTALLED BY	DISCONNECT			CONTROL DEVICE			FEEDER INFORMATION					REMARKS		
											TYPE	SWITCH/ FUSE SIZE	LOCATION	FURNISHED BY	WIRED BY	TYPE	PANEL	CIRCUIT	(L.C.) QTY	LINE	(GND) QTY		GROUND	(CNDT) QTY
OH DOOR OPERATOR-1	MODEL RHX	SERVICE BAY	0.5	120 V	1	4 A	15 A	NEMA 1	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	1	2	#6 COPPER	1	#8 COPPER	1	1"
OH DOOR OPERATOR-2	MODEL RHX	SERVICE BAY	0.5	120 V	1	4 A	15 A	NEMA 1	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	50	2	#6 COPPER	1	#8 COPPER	1	1"
OH DOOR OPERATOR-3	MODEL RHX	SERVICE BAY	0.5	120 V	1	4 A	15 A	NEMA 1	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	52	2	#6 COPPER	1	#8 COPPER	1	1"
OH DOOR OPERATOR-4	MODEL RHX	SERVICE BAY	0.5	120 V	1	4 A	15 A	NEMA 1	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	48	2	#6 COPPER	1	#8 COPPER	1	1"
OH DOOR OPERATOR-5	MODEL RHX	SERVICE BAY	0.5	120 V	1	4 A	15 A	NEMA 1	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	44	2	#6 COPPER	1	#8 COPPER	1	1"
OH DOOR OPERATOR-6	MODEL RHX	SERVICE BAY	0.5	120 V	1	4 A	15 A	NEMA 1	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	46	2	#6 COPPER	1	#8 COPPER	1	1"
OH DOOR OPERATOR-7	MODEL RHX	WASH BAY	0.5	120 V	1	4 A	15 A	NEMA 4	E.C	E.C	E.C	15A/1P	OPERATOR CONTROLS	E.M	E.M	C.B	G	5	2	#6 COPPER	1	#8 COPPER	1	1"

**NOTES:**  
1. IF EXISTING CB HAS RATING EQUAL TO OR GREATER THAN 15A, USE EXISTING CB

EVSE SCHEDULE											
EVSE #	EV KIT #	DESCRIPTION	LOCATION	PHASE	VOLTS	MAX CURRENT	ELECTRICAL OUTPUT (W)	CB RATING	POLES	FEEDER INFORMATION	REMARKS
EVSE-001	CP001	208V 1Ø - 80A (100A BREAKER)	EXTERIOR	1	208 V	80 A	16,640	100 A	2	G	30.32
EVSE-002	CP001	208V 1Ø - 80A (100A BREAKER)	EXTERIOR	1	208 V	80 A	16,640	100 A	2	G	34.36

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 WSP USA INC. 2711 BROADWAY ST. LOUIS, MO 63102  
 UNITED STATES POSTAL SERVICE  
 TACOMA VMF 3825 S WARNER ST TACOMA, WA 98409  
 90% DESIGN SUBMITTAL  
 E400 ELECTRICAL ONE-LINE DIAGRAM Date: Jan 26, 2024  
 Scale: AS NOTED Project: TACOMA VMF USPS File Number: E10234  
 Revisions: 2. Revision 2 06/03/2024

LIGHTING FIXTURE SCHEDULE										
TYPE	COUNT	DESCRIPTION	MOUNTING	COLOR TEMP.	LUMENS	VA	VOLTAGE	MANUFACTURER	CATALOG NUMBER	
B4	5	4' WALL MOUNTED LED LIGHT WITH GASKET, POLYSTER POWDER COATED, FLAT POLY CLEAR DIFFUSER, MEDIUM DISTRIBUTION, RMBK WALL MOUNTED KIT, WET LOCATION, NEMA 4X RATED, WHITE FINISH.	WALL-12' AFF	4,000K	17933	122	120 V	LITHONIA	FEX L48 18000LM FPCL MD MVOLT GZ10 40K 80CRI RMBK NLTAIR RSBG10 DWHXD CR	
B4E	3	4' WALL MOUNTED LED LIGHT WITH GASKET, POLYSTER POWDER COATED, FLAT POLY CLEAR DIFFUSER, MEDIUM DISTRIBUTION, RMBK WALL MOUNTED KIT, WET LOCATION, NEMA 4X RATED, WHITE FINISH. PROVIDE WITH BATTERY PACK	WALL-12' AFF	4,000K	17933	122	120 V	LITHONIA	FEX L48 18000LM FPCL MD MVOLT GZ10 40K 80CRI RMBK NLTAIR RSBG10 DWHXD CR E10WLCP	
EM4	4	WALL MOUNTED EMERGENCY EXIT DISCHARGE LIGHT, SELF DIAGNOSTIC LITHIUM IRON PHOSPHATE BATTERY, FIELD CONFIGURABLE THROW OPTICS.	WALL-8' AFF	-	-	12	120 V	LITHONIA	AFF OEL DDBTXD UVOLT LTP SDRT FCT CW	
MH3	10	WALL MOUNTED LED LIGHT, TYPE 4 DISTRIBUTION, WHITE FINISH, IP 65 RATED, WET LOCATION LISTED.	WALL-15' AFF	4,000K	3053	29	120 V	LITHONIA	MRWLED P2 40K SR4 MVOLT PIR DDBXD	
PL1	20	EXTERIOR SURFACE MOUNTED LED CANOPY LIGHTS, DIE CAST ALUMINUM HOUSING, TYPE 5 MEDIUM DISTRIBUTION, IP66 RATED, WET LOCATION LISTED.	SURFACE - 14' 8" AFF	4,000K	11564	107	120 V	LITHONIA	DSXSC LED 30C 1000 40K T5M MVOLT SRM DWHXD	
W3	16	2'X2' HIGH BAY SUSPENDED LED LIGHT, TEXTURED ACRYLIC LENS, WIDE DISTRIBUTION, SUPER DURABLE WHITE COLOR FINISH, DIE CAST ALUMINUM HOUSING, THERMOSET POWDER COAT FINISH, WET LOCATION LISTED, IP65 RATED.	CABLE - 18' AFF	4,000K	148690	97	120 V	LITHONIA	XIB L24 15000LM ATWD MVOLT GZ10 40K 80CRI NLTAIR2 RMSOD45 DHWXD	
W3E	4	2'X2' HIGH BAY SUSPENDED LED LIGHT, TEXTURED ACRYLIC LENS, WIDE DISTRIBUTION, SUPER DURABLE WHITE COLOR FINISH, DIE CAST ALUMINUM HOUSING, THERMOSET POWDER COAT FINISH, WET LOCATION LISTED, IP65 RATED. PROVIDE WITH SELF-DIAGNOSTIC BATTERY PACK.	CABLE - 18' AFF	4,000K	148690	97	120 V	LITHONIA	XIB L24 15000LM ATWD MVOLT GZ10 40K 80CRI NLTAIR2 RMSOD45 DHWXD E15WMCP	
X1	2	SINGLE FACE WALL MOUNTED SELF POWERED AND SELF-DIAGNOSTICS LED EXIT LIGHT, WHITE HOUSING COLOR, RED COLORED LETTERS, NICKEL CADMIUM BATTERY.	ABOVE DOOR	N/A	N/A	1	120 V	LITHONIA	LOM S W 3 R 120/277 ELN SD	

- NOTES:**
- LIGHTING FIXTURE SCHEDULE IS BASIS OF DESIGN AND SUBSTITUTIONS BASED ON SPECIFICATIONS SECTION 26 51 00 IS ACCEPTABLE, HOWEVER, ANY SUBSTITUTES CHOSEN SHALL MEET CONSTRUCTION DEADLINE. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - EC TO PROVIDE MOUNTING HARDWARE FOR WALL/CEILING/PENDENT MOUNT.
  - PROVIDE WITH LUMINAIRE MOUNTED OCCUPANCY SENSORS AS PER SCHEDULE.

LIGHTING CONTROL DEVICE SCHEDULE				
DESCRIPTION	MANUFACTURER	MODEL	COUNT	NOTES
PHOTOCELL	INTERMATIC OR TORK	K4141C OR 2002	1	
TIME CLOCK	INTERMATIC OR TORK	ET70000 OR ELC SERIES	1	
TIME SWITCH	nLIGHT ACUITY	nPOD MA 2L	4	

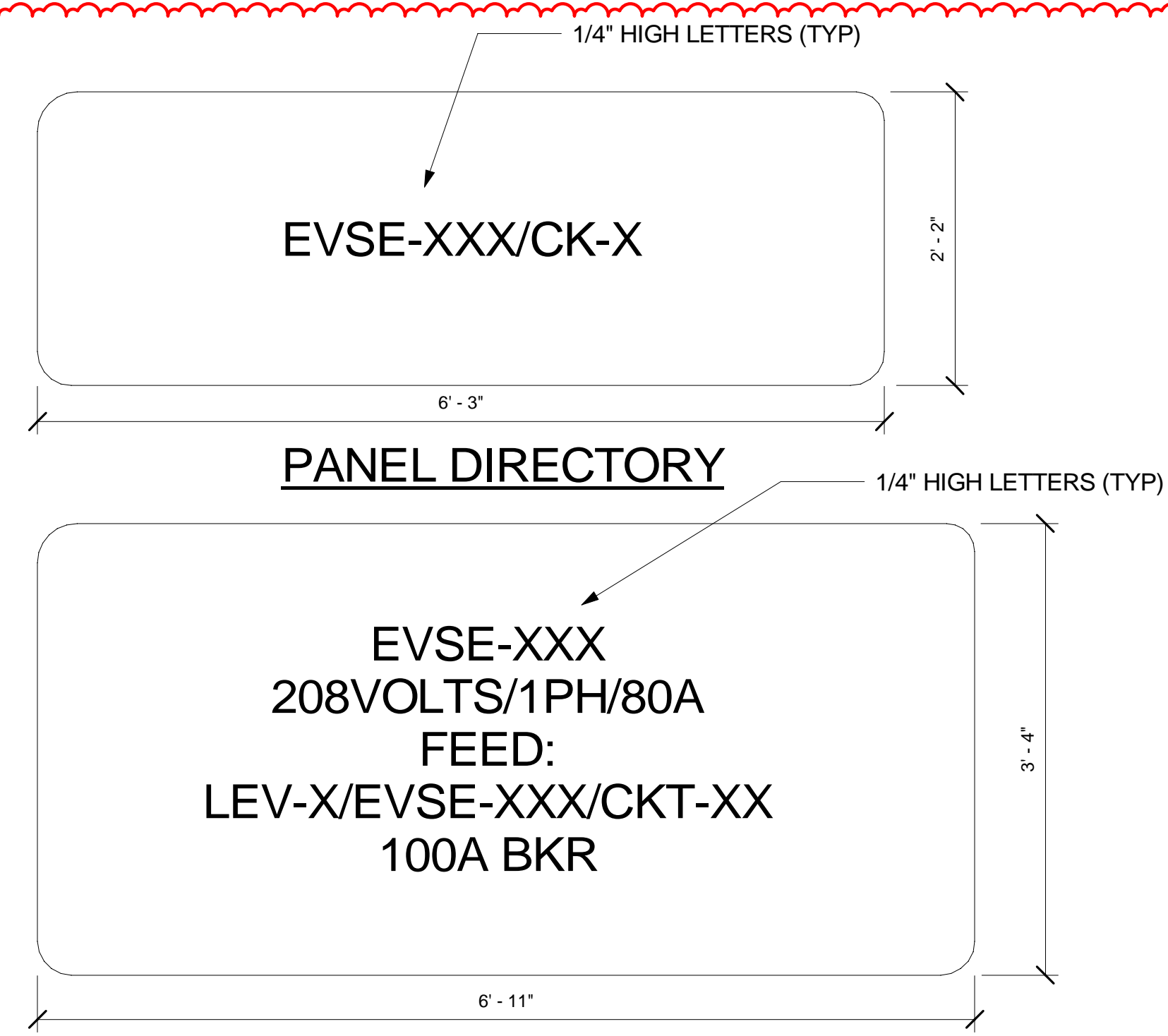
LIGHTING CONTROL SCHEDULE IS BASIS OF DESIGN AND SUBSTITUTIONS BASED ON SPECIFICATIONS SECTION 26 06 23 IS ACCEPTABLE, HOWEVER, ANY SUBSTITUTES CHOSEN SHALL MEET CONSTRUCTION DEADLINE. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

LIGHTING CONTROL REQUIREMENTS AND SEQUENCE OF OPERATIONS												
TAG	SPACE TYPE	NORMAL BUSINESS HOURS		AFTER BUSINESS HOURS		CONTROL SYSTEM TYPE	OCCUPANCY SENSOR		PHOTOCELL CONTROL	MANUAL OVERRIDE		EMERGENCY FIXTURES CONTROLLED
		LIGHTING	RECEPTACLES	LIGHTING	RECEPTACLES		TYPE / LOCATION	SETPPOINT		DEVICE	DURATION	
01	VEHICLE SERVICE BAY	OCCUPANCY SENSOR ACTIVATES TO 50% OFF AFTER 20 MINUTES OF INACTIVITY	N/A	NO CHANGE	N/A	STANDALONE	DUAL-TECH / INTEGRAL	AUTO ON TO 50% / OFF IN 20 MIN	N/A	TIMER SWITCH - HIGH OUTPUT	4 HRS	NO
03	WASH BAY	OCCUPANCY SENSOR ACTIVATES TO 50% OFF AFTER 20 MINUTES OF INACTIVITY	N/A	NO CHANGE	N/A	STANDALONE	DUAL-TECH / INTEGRAL	AUTO ON TO 50% / OFF IN 20 MIN	N/A	TIMER SWITCH - HIGH OUTPUT	4 HRS	NO
04	EXTERIOR LIGHTING	CONTROLLED VIA PHOTOCELL ONLY	N/A	FOR THE TIME BETWEEN 1 HOUR AFTER BUSINESS HOURS AND 1 HOUR PRIOR TO BUSINESS HOURS; CONTROLLED BY PHOTOCELL AND OCCUPANCY SENSOR	N/A	STANDALONE	TIME CLOCK/PHOTOCELL /OCCUPANCY SENSOR	AUTO ON TO 100% / OFF IN 20 MIN	YES	ON/OFF VIA ASTRONOMICAL TIME CLOCK, PHOTOCELL, AND OCCUPANCY CONTROLS	OFF HOURS	N/A
05	EXTERIOR CANOPY	CONTROLLED VIA PHOTOCELL ONLY	N/A	FOR THE TIME BETWEEN 1 HOUR AFTER BUSINESS HOURS AND 1 HOUR PRIOR TO BUSINESS HOURS; CONTROLLED BY PHOTOCELL AND OCCUPANCY SENSOR	N/A	STANDALONE	TIME CLOCK/PHOTOCELL /OCCUPANCY SENSOR	AUTO ON TO 100% / OFF IN 20 MIN	YES	ON/OFF VIA ASTRONOMICAL TIME CLOCK, PHOTOCELL, AND OCCUPANCY CONTROLS	OFF HOURS	N/A

- NOTES:**
- SETPPOINTS AND TIME SCHEDULES MUST BE VERIFIED WITH OWNER PRIOR TO PROGRAMMING.
  - PROVIDE QUANTITY AND COVERAGE PATTERN OF OCCUPANCY/VACANCY SENSORS WHERE REQUIRED BY THIS SCHEDULE TO COVER ENTIRE ROOM/SPACE CONTROLLED. QUANTITY AND LOCATION OF SENSORS INDICATED ON DRAWINGS IS FOR COORDINATION AND PRICING PURPOSES, AND SHALL BE VERIFIED BY SELECTED MANUFACTURER PRIOR TO SUBMISSION OF SHOP DRAWINGS.
  - PROVIDE NUMBER OF RELAYS/POWER PACKS TO CONTROL ALL LIGHTING ZONES AND CIRCUITS SHOWN ON PLANS.
  - PROVIDE UNSWITCHED HOT CONDUCTOR TO FIXTURES WITH INTEGRAL BATTERY PACKS TO SENSE POWER LOSS.
  - NO DAYLIGHTING IS PROVIDED IN THIS PROJECT DUE TO DISTANCE OF CEILING GRIDS/LIGHT FIXTURES FROM WINDOWS.
  - WASH BAYS WHICH HAVE LIFTS INSTALLED ARE CONSIDERED TO HAVE BEEN REPURPOSED INTO VEHICLE SERVICE BAYS. ENVIRONMENT IS CONSIDERED TO BE THE SAME AS VEHICLE SERVICE BAYS.
  - WIRELESS CONTROLS ENCOURAGED FOR WORK BAY HIGH BAY FIXTURES. PROVIDE HEAD END EQUIPMENT, POWER TO EQUIPMENT, AND PROGRAMMING AS NECESSARY TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
  - EACH MANUAL COUNTDOWN TIMER MUST BE DIGITAL TYPE MOUNTED AT 48" AFF TO ALLOW FOR LIGHTING FOR THE HIGH OUTPUT LEVEL ILLUMINATION ZONE TO BE ENERGIZED FOR UP TO (4) HOURS WITH OCCUPANCY DETECTION. SWITCH MUST BE LABELED FOR IDENTIFICATION AS DIRECTED BY USPS PERSONNEL.

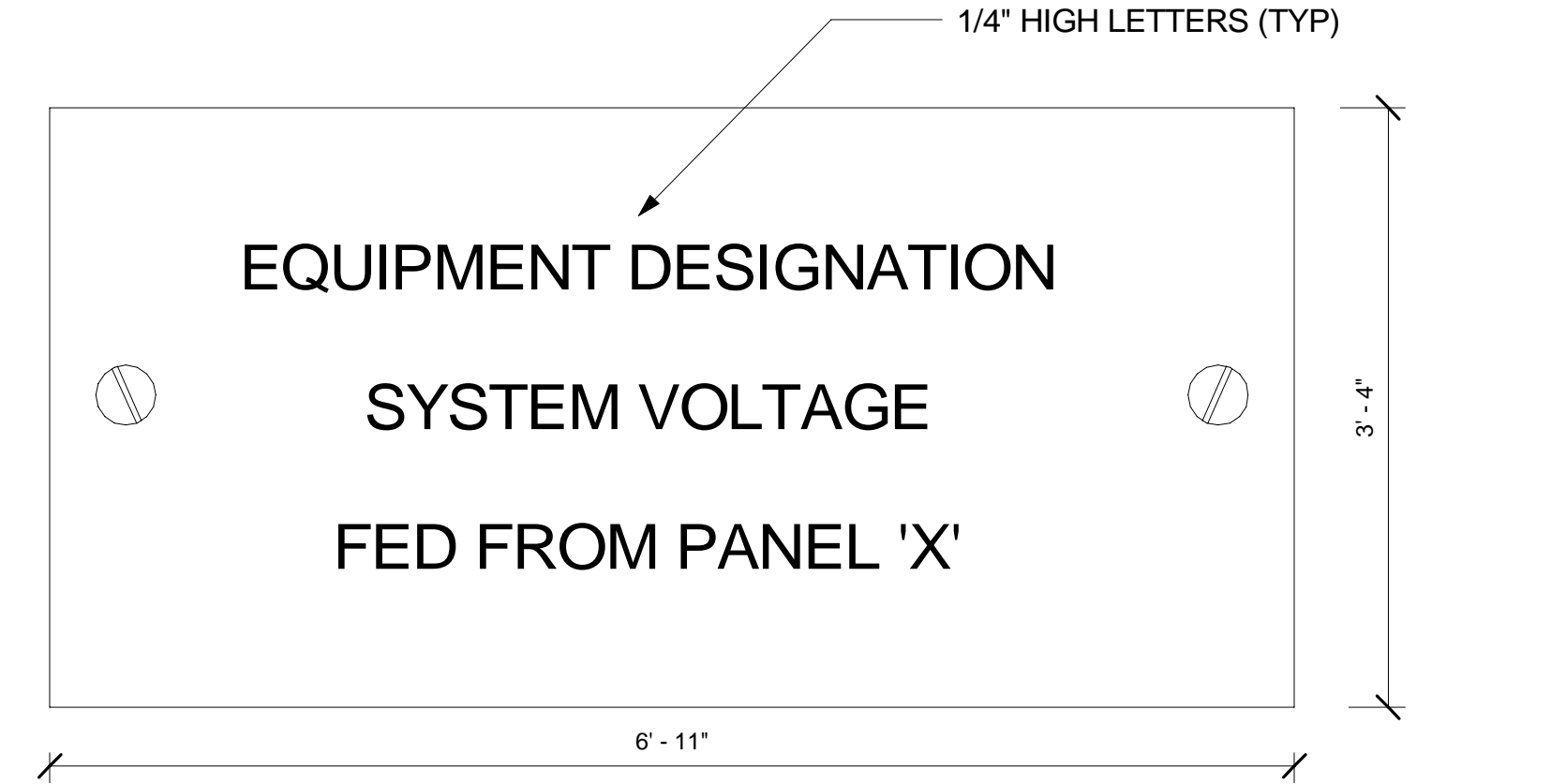
EXISTING: G													
CKT NO.	DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	DESCRIPTION	CKT NO.			
1	OH DOOR OPERATOR -1	15	1	466	974			1	20	WASH BAY LIGHTS	2		
3	STEAM CLE BAY LIGHTS	20	1	413	856	0		1	20	SPARE	4		
5	OH DOOR OPERATOR -7	15	1					466	0	1	20	LIGHTS	6
7	LIGHTS	20	1	0	0					1	20	LIGHTS	8
9	LIGHTS	20	1	0	0	0	0			1	20	LIGHTS	10
11	LIGHTS	20	1			0	0			1	20	LIGHTS	12
13	FUEL CANOPY	1								1	20	LIGHTS	14
15	NOTE 1	20	2		0	0				1	20	LIGHTS	16
17	NOTE 1	20	1			0	0			1	20	NOTE 1	18
19	NOTE 1	20	1	0	0					1	20	NOTE 1	20
21	WASHER CONTROL	20	1	0	0	0	0			1	20	NOTE 1	22
23	RECEPTACLES	20	1			0	0			1	20	NOTE 1	24
25	TRASH COMPACTOR	20	3	0	1467					1	20	EXTR & CANOPY LIGHTS	26
27	TRASH COMPACTOR	20	3		0	1965				1	20	SERVICE BAY LIGHT	28
29										2	100	EVSE-001	30
31					8320				8320				32
33	PUMP 'PB-1'	20	3							2	100	EVSE-002	34
35									8320				36
37													38
39	AC-11	30	3		0	0				3	20	HP-3	40
41													42
43					466					1	15	OH DOOR OPERATOR -5	44
45	AC-11	110	3		0	466				1	15	OH DOOR OPERATOR -6	46
47					466				466	1	15	OH DOOR OPERATOR -4	48
49					466				466	1	15	OH DOOR OPERATOR -2	50
51	AC-6	25	3		0	466			466	1	15	OH DOOR OPERATOR -3	52
53					466				466	1	15	SPACE	54
<b>TOTAL LOAD (VA)</b>				12,159 VA	12,073 VA	17,572 VA							
<b>TOTAL CURRENT (AMPS)</b>				40.5 A	40.2 A	54.8 A							
LOAD CLASSIFICATION	ADDED LOAD (VA)	ADDED ESTIMATED DEMAND (VA)	PANEL TOTALS										
LIGHT	5,263	5,263	KVA	AMPS									
EV CHARGER	33,280	33,280	EXISTING CONNECTED LOAD:	TBD	TBD								
OH DOOR	3,262	3,379	REMOVED CONNECTED LOAD:	TBD	TBD								
			TOTAL ADDED LOAD:	41.8	116								
			TOTAL ADDED ESTIMATED DEMAND:	41.9	116.4								

NOTES: 1. LOAD AND CB SIZE UNKNOWN, EC TO VERIFY.



- NOTES:**
1. PROVIDE SELF ADHESIVE LAMOCOVID NAMEPLATE ENGRAVED WITH WHITE LETTERS. CLEAN SURFACES BEFORE APPLICATION.
  2. REFER TO USPS SPECIFICATIONS 260500 COMMON WORK RESULTS FOR ELECTRICAL SPECIFICATIONS.
  3. DO NOT COVER CIRCUIT NUMBER FACTORY STAMPED INTO PANEL COVER.
  4. PANEL DIRECTORIES SHALL BE TYPED, LAMINATED, WEATHER RESISTANT AND PLACED ON INSIDE COVER OF EACH PANELBOARD

**7 EVSE LABELING REQUIREMENTS**  
SCALE: NTS

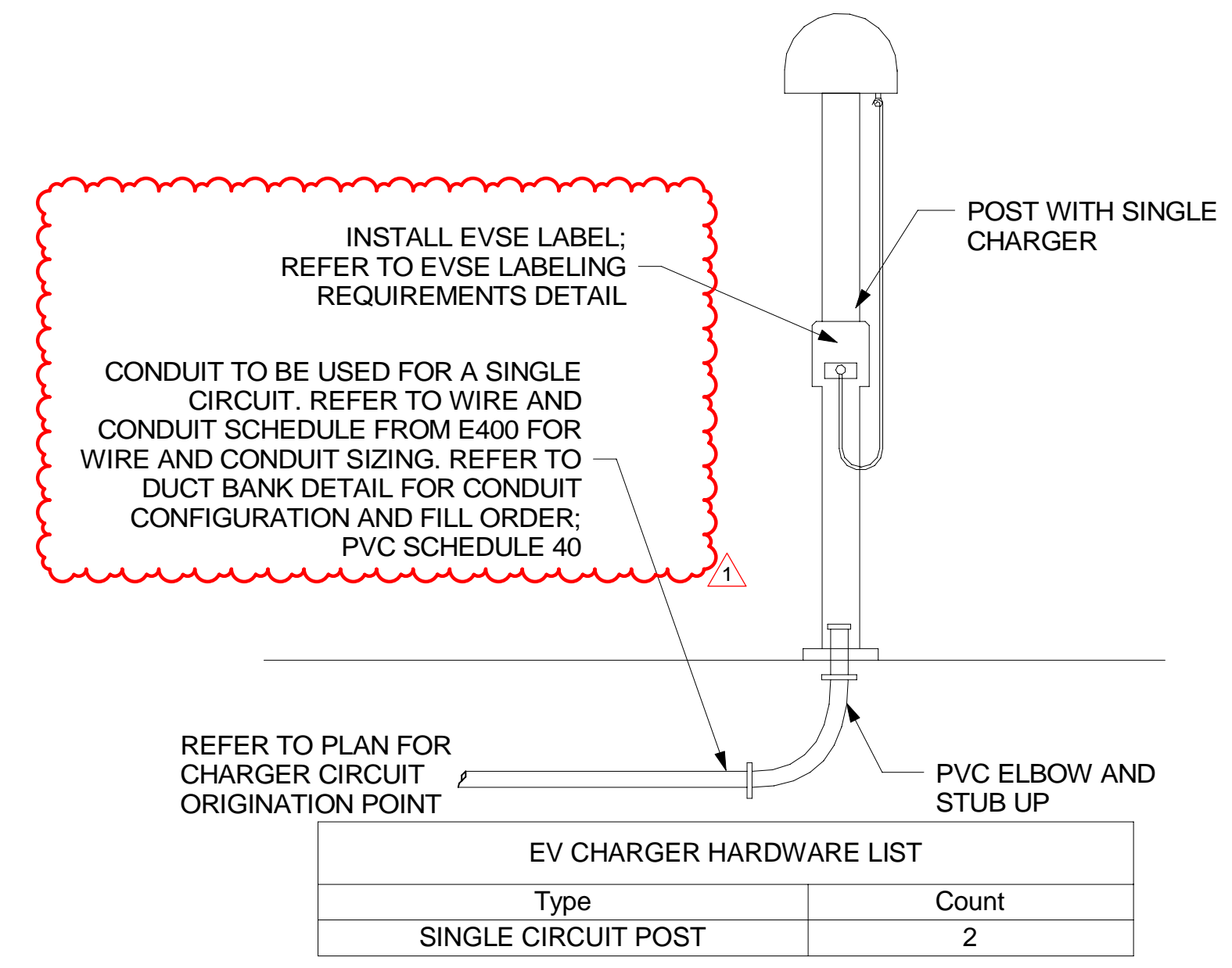


- NOTES:**
1. PROVIDE LAMOCOVID NAMEPLATE ENGRAVED WITH WHITE LETTERS.
  2. NAMEPLATE SHALL BE THE FOLLOWING COLORS:  
GREEN - NORMAL POWER ON 480/277 VOLT SYSTEM  
BLACK - NORMAL POWER ON 208/120 VOLT SYSTEM  
RED - EMERGENCY POWER (ALL VOLTAGES)
  3. SECURE NAMEPLATE TO EQUIPMENT WITH TWO SHEET METAL SCREWS.
  4. PROVIDE A NAMEPLATE FOR EVERY MAJOR ELECTRICAL DEVICE OR ELECTRICAL CONTROLS SUCH AS: SWITCHBOARDS, DISTRIBUTION PANELS, PANELBOARDS, LIGHTING CONTROL PANELS, STARTERS, TRANSFORMERS, DISCONNECT SWITCHES, ETC. (AS APPLICABLE).
  5. REFER TO USPS SPECIFICATIONS 260500 COMMON WORK RESULTS FOR ELECTRICAL DESCRIPTION.
  6. EQUIPMENT DESIGNATION SHOULD INDICATE NAME OF PANELBOARD OR TYPE OF EQUIPMENT BE SERVED (I.E. "PANEL LPA", "PUMP CWP-1").
  7. SYSTEM VOLTAGE SHALL INDICATE VOLTAGE AND PHASE SUCH AS: 480/277V, 3Ø, 208/120V, 1Ø, 240/120, 1Ø, ETC.
  8. THE THIRD LINE OF TEXT SHALL INDICATE UPSTREAM POWER SOURCE IDENTIFIED BY ITS NAME, SUCH AS "TRANSFORMER T1", PANEL "LPA", ETC.

**8 DISTRIBUTION EQUIPMENT NAMEPLATE DETAIL**  
SCALE: NTS

- GENERAL NAMEPLATES AND SIGNS**
- SAFETY SIGNS: COMPLY WITH 29 CFR, CHAPTER XVII, PART 1910.145.
  - ENGRAVED PLASTIC NAMEPLATES AND SIGNS: ENGRAVING STOCK, MELAMINE PLASTIC LAMINATE, MINIMUM 1/16 INCH (1.6 MM) THICK FOR SIGNS UP TO 20 SQ. IN. (129 SQ. CM) AND 1/8 INCH (3.2 MM) THICK FOR LARGER SIGNS.
  - BAKED-ENAMEL SIGNS FOR INTERIOR USE: PREPRINTED ALUMINUM SIGNS, PUNCHED OR DRILLED FOR FASTENERS, WITH COLORS, LEGEND, AND SIZE REQUIRED FOR THE APPLICATION. 1/4-INCH (6.4-MM) GROMMETS IN CORNERS FOR MOUNTING.
  - EXTERIOR, METAL-BACKED, BUTYRATE SIGNS: WEATHER-RESISTANT, NONFADING, PREPRINTED, CELLULOSE-ACETATE BUTYRATE SIGNS WITH 0.0396-INCH (1-MM) GALVANIZED-STEEL BACKING; AND WITH COLORS, LEGEND, AND SIZE REQUIRED FOR THE APPLICATION. 1/4-INCH (6.4-MM) GROMMETS IN CORNERS FOR MOUNTING.
  - FASTENERS FOR NAMEPLATES AND SIGNS: SELF-TAPPING, STAINLESS-STEEL SCREWS OR NO. 10/32, STAINLESS-STEEL MACHINE SCREWS WITH NUTS AND FLAT AND LOCK WASHERS.
  - CAUTION LABELS FOR INDOOR BOXES AND ENCLOSURES FOR POWER AND LIGHTING: INSTALL PRESSURE-SENSITIVE, SELF-ADHESIVE LABELS IDENTIFYING SYSTEM VOLTAGE WITH BLACK LETTERS ON ORANGE BACKGROUND. INSTALL ON EXTERIOR OF DOOR OR COVER.

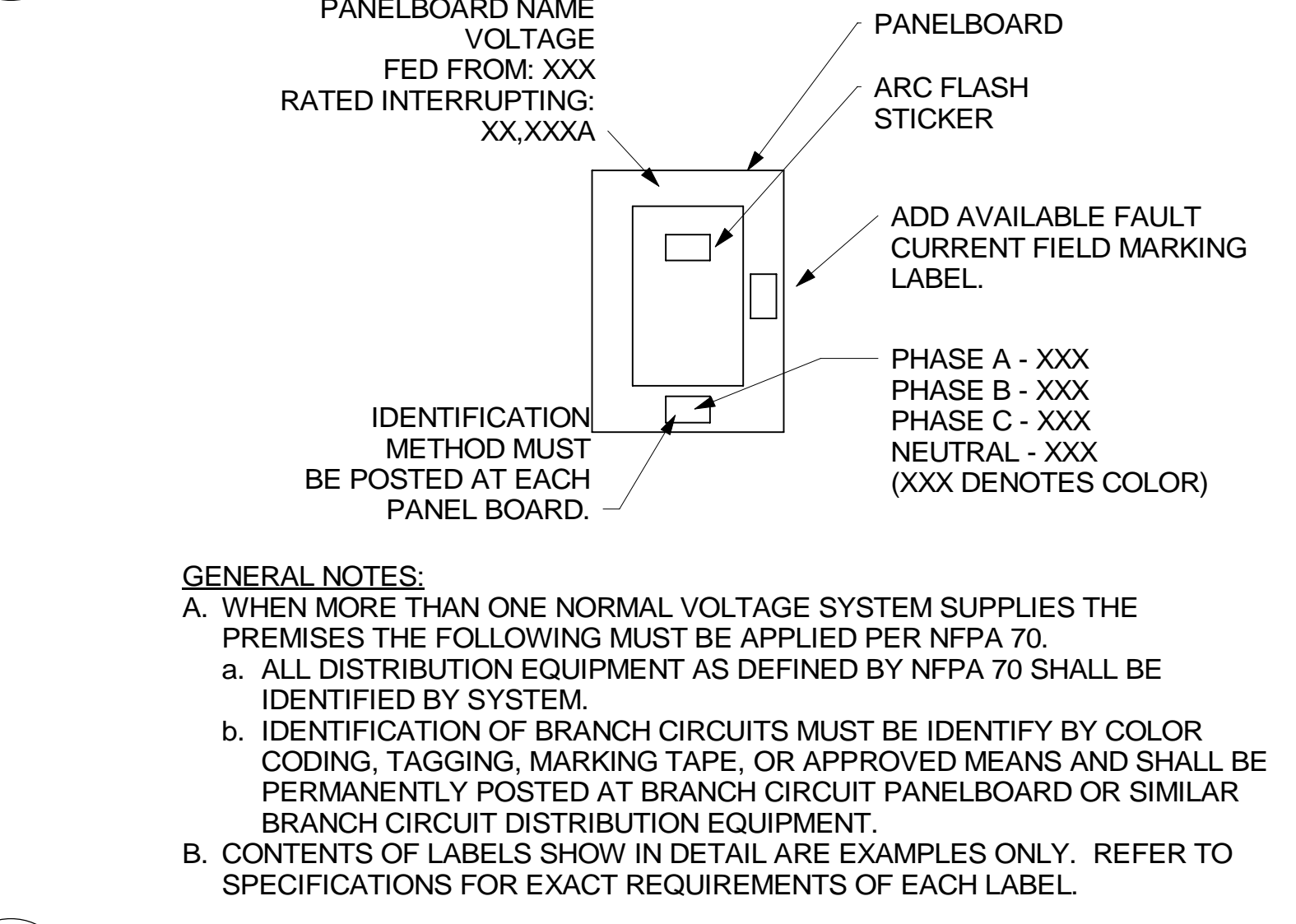
**9 GENERAL SIGNAGE REQUIREMENTS**  
SCALE: NTS



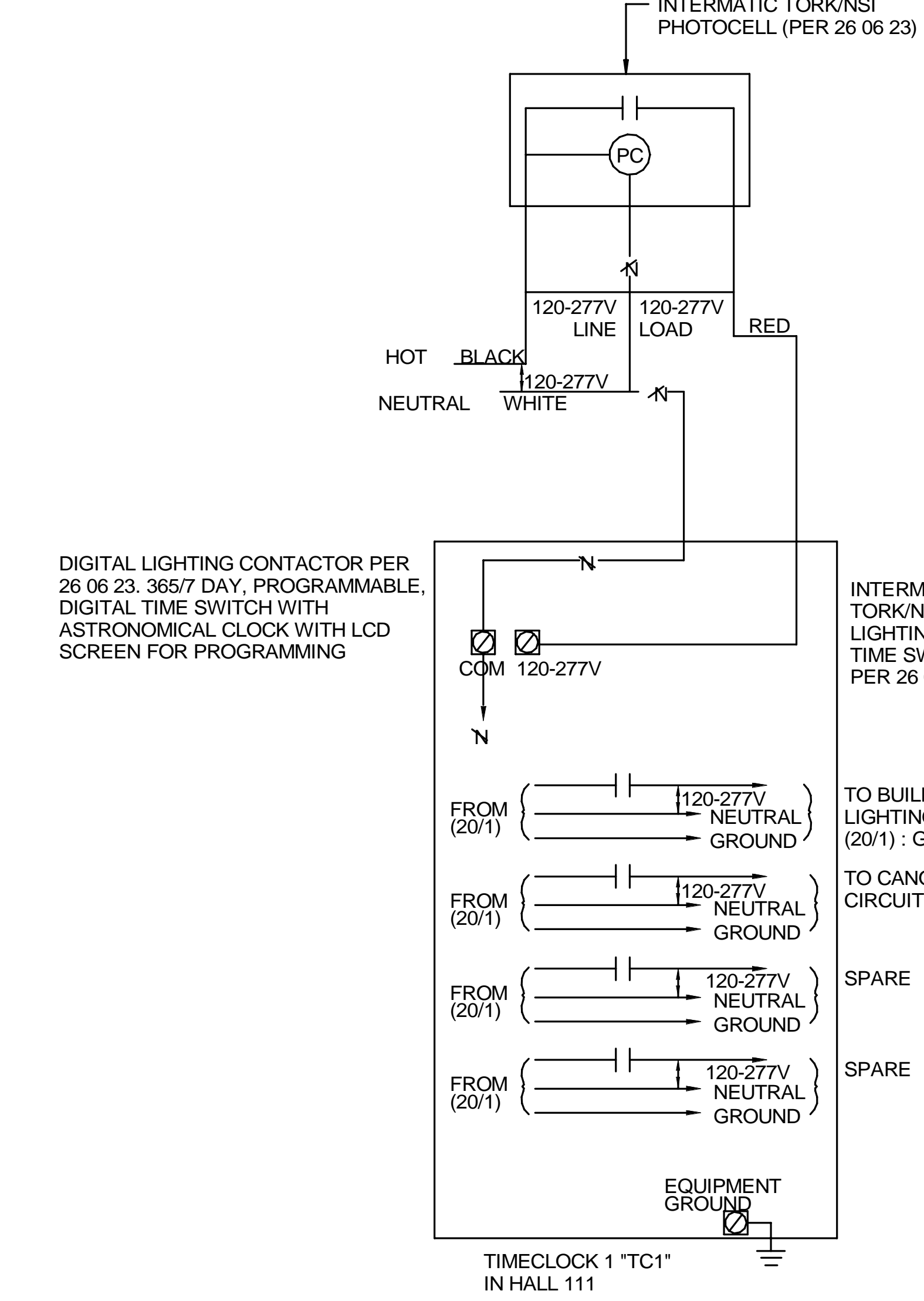
**CHARGE POINT CP6011B**  
POWER FACTOR AND EFFICIENCY INFORMATION IS NOT AVAILABLE. TO SIMPLIFY DESIGN, CHARGER OUTPUT VALUES (PROVIDED BY MANUFACTURER IN KW) HAVE BEEN CONVERTED TO KVA USING A POWER FACTOR AND EFFICIENCY OF 1. THE CHARGER OUTPUT VALUE IS CONSIDERED TO BE THE MAXIMUM POSSIBLE OUTPUT TO THE EV.

REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR VOLTAGE SHOWN ON EVSE SCHEDULE FOR ELECTRICAL CONNECTIONS. PROVIDE OUTPUT SETTING AT 80A AT EACH CHARGER. USPS TO PROVIDE COMMISSIONING AND ENERGY MANAGEMENT SYSTEM.

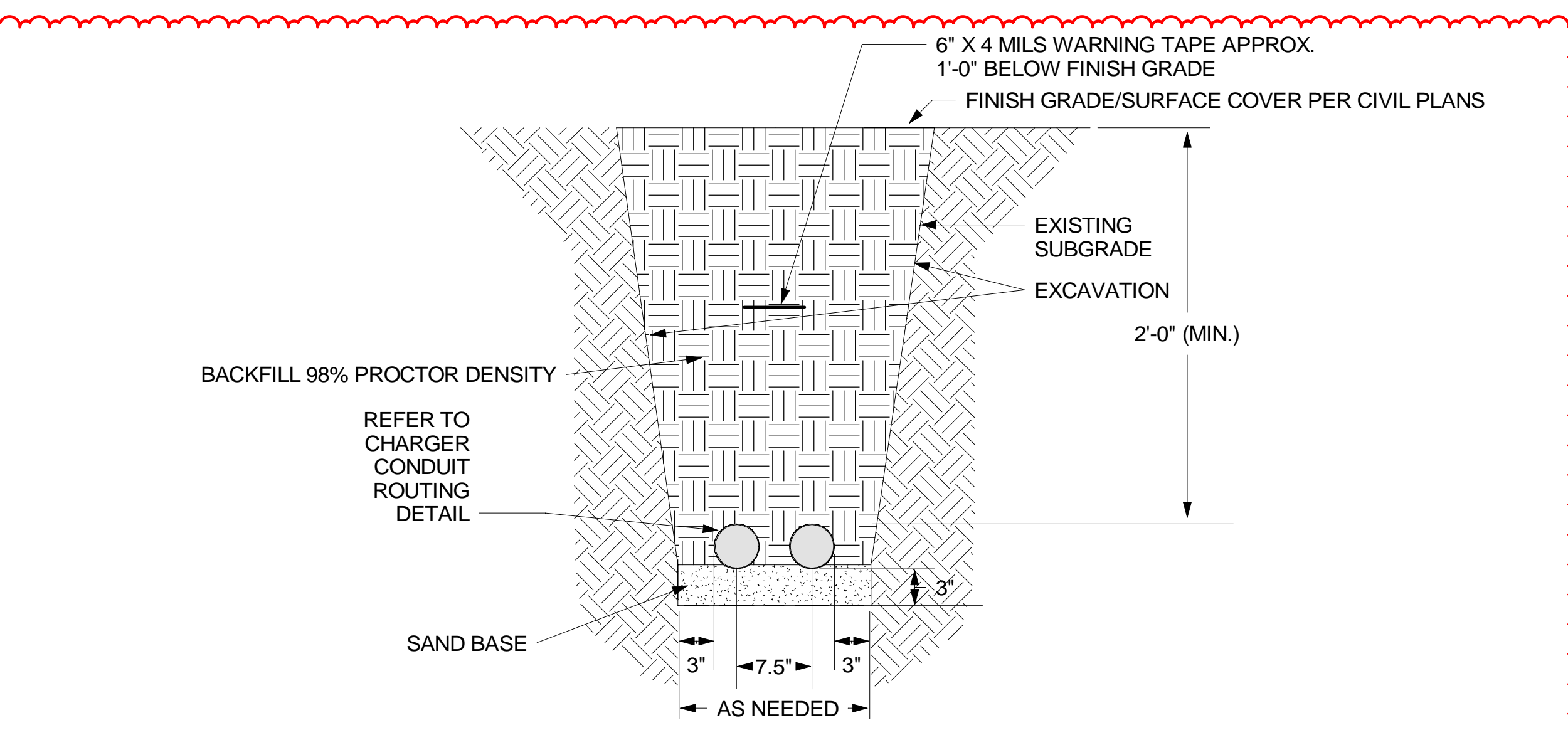
**4 CHARGER CONDUIT ROUTING**  
SCALE: NTS



**5 PANEL IDENTIFICATION DETAIL**  
SCALE: NTS



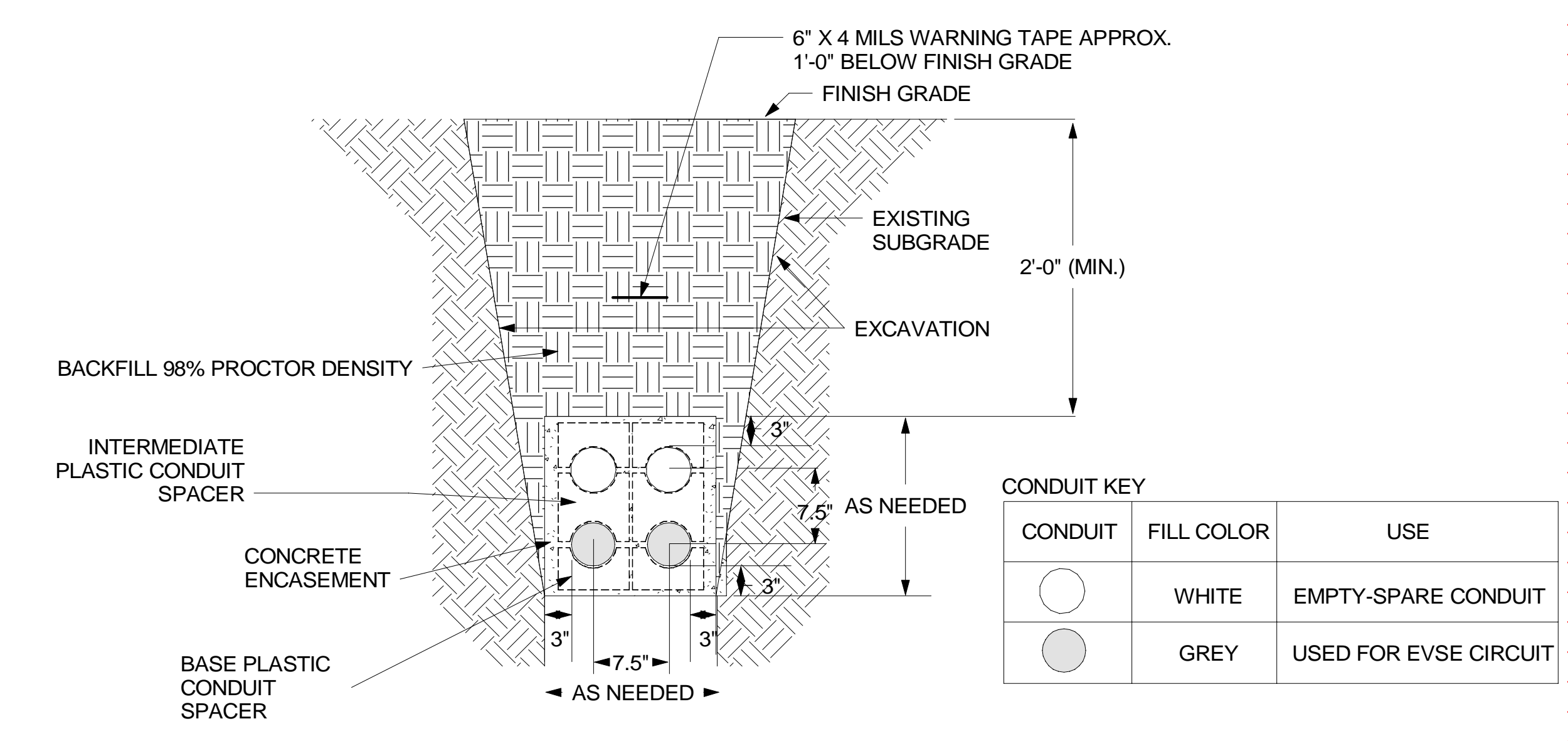
**6 SITE LIGHTING CONTROLS**  
SCALE: NTS



**NOTES:**

1. CONDUITS UNDER NON VEHICLE TRAFFIC AREA MAY BE DIRECT BURIED

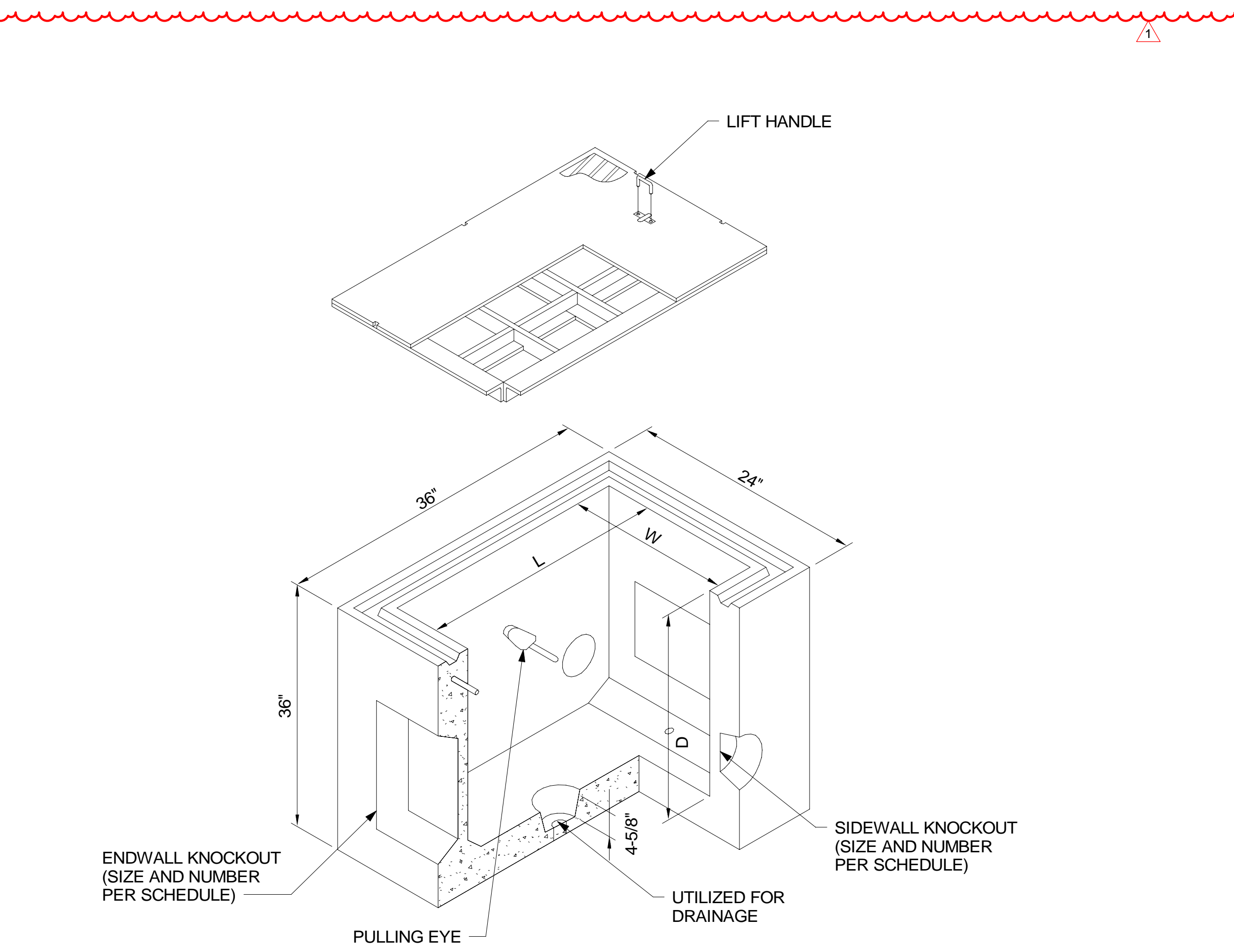
**1 DIRECT BURY DETAIL**  
SCALE: NTS



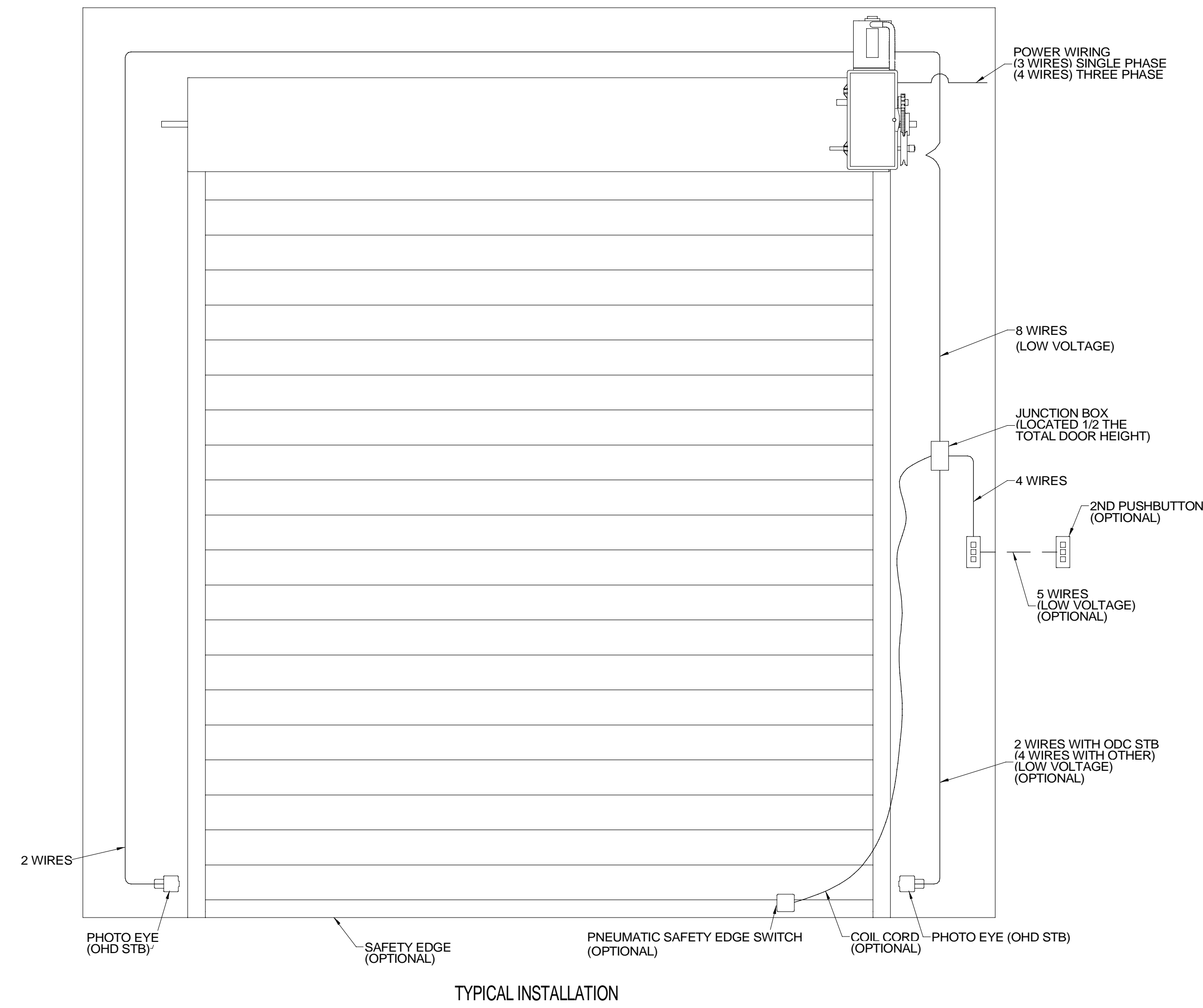
**NOTES:**

1. PROVIDE CONDUITS IN SINGLE LAYER. CONDUITS UNDER VEHICLE TRAFFIC AND WEIGHT TO BE ENCASED IN CONCRETE.
2. PROVIDE SUFFICIENT AGGREGATE SUBLAYER TO ALLOW FOR SUPPORT AND DRAINAGE OF JUNCTION BOX.
3. TERMINATE SPARE CONDUIT FROM DUCT BANK TO PREVENT DIRT AND WATER INGRESS AND ALLOW FOR USE OF CONDUIT IN FUTURE EVSE EXPANSION.

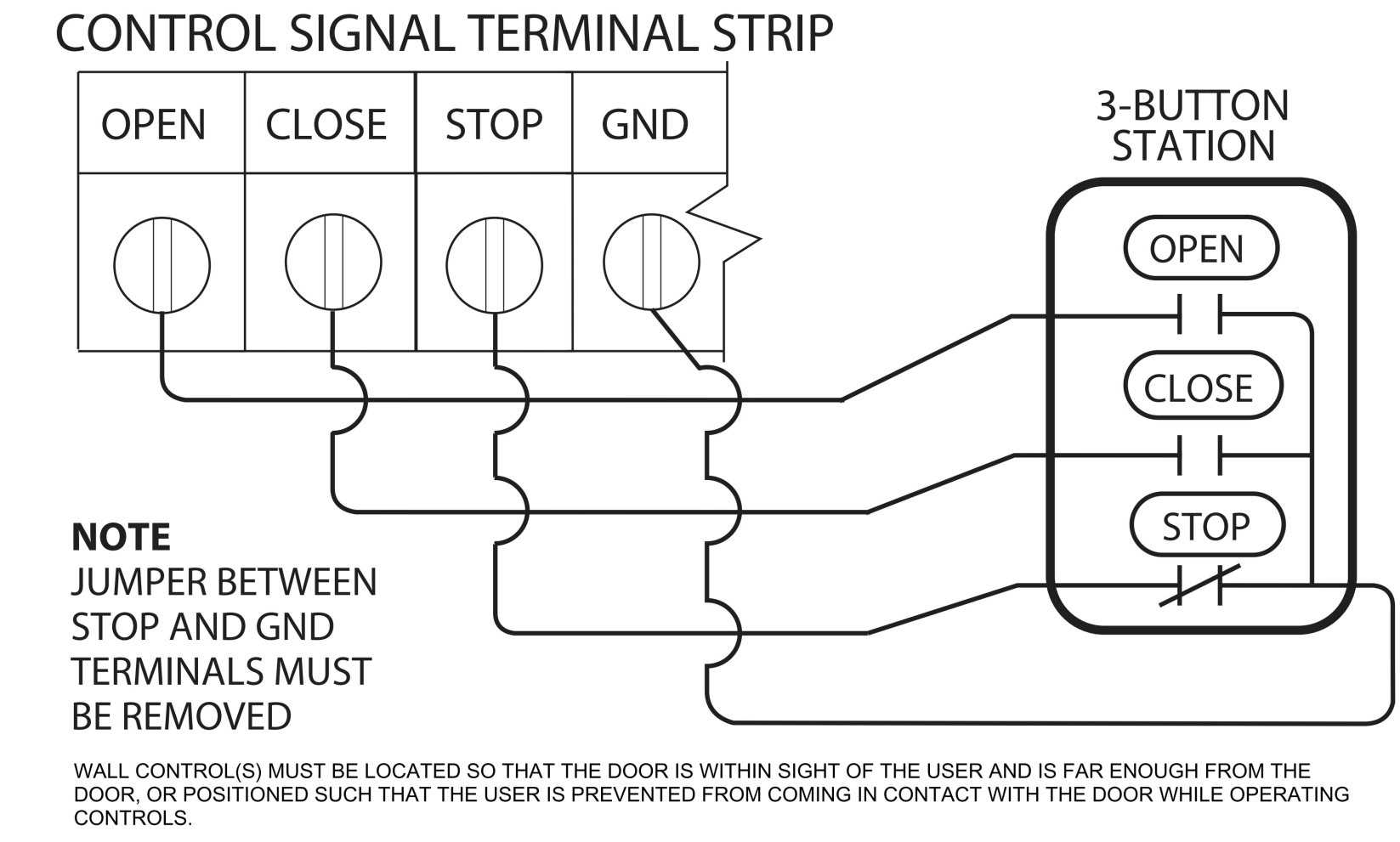
**2 DUCTBANK DETAIL**  
SCALE: NTS



**3 PULLBOX DETAIL**  
SCALE: NTS

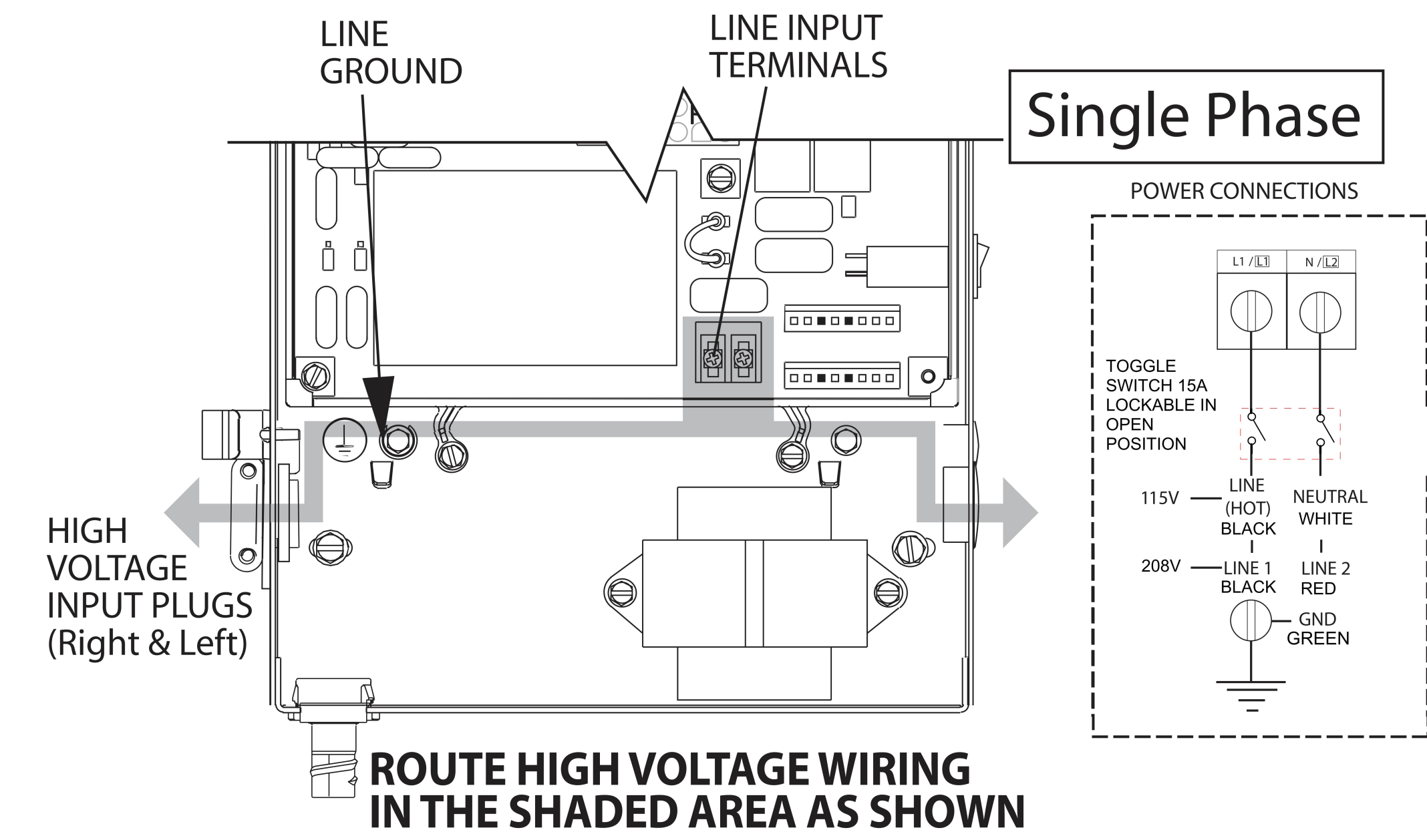


**3 OVERHEAD DOOR ELECTRICAL CONNECTION DETAIL**  
E501 SCALE: NTS



11- POSITION TERMINAL BLOCK INSIDE ELECTRIC BOX	INPUT	FUNCTION	CONNECTION TYPE
	OPEN	Causes door to open if not at Up Limit. Causes a closing door to reverse.	Normally-Open Dry Contact to GND.
	CLOSE	Causes door to close if not at Down Limit.	Normally-Open Dry Contact to GND.
	STOP	Causes moving door to stop. Prevents the operator from running.	Normally-Closed Dry Contact to GND.
	GND	Common ground connection for Open, Close, Stop & 1-Btn Inputs.	

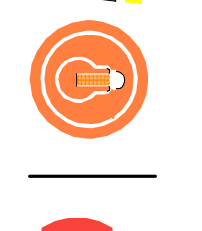
**1 OVERHEAD DOOR OPERATOR PUSH BUTTON DETAIL**  
E501 SCALE: NTS



**2 OVERHEAD DOOR OPERATOR MOTOR DETAIL**  
E501 SCALE: NTS

# EXHIBITS

- NGDV CHECKLIST
- CIVIL AUTO-TURN - NDGV
- CIVIL AUTO-TURN - FIRETRUCK
- UNITED STATES POSTAL SERVICE – FACILITIES FORM ECC-EZ
- LIGHTING CALCULATIONS
- EMERGENCY LIGHTING CALCULATIONS
- PHOTOS





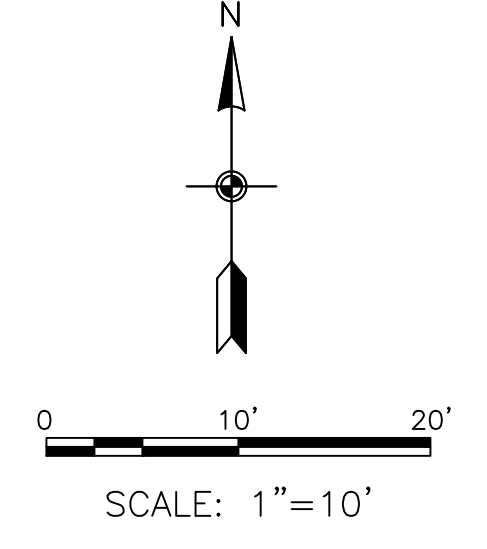
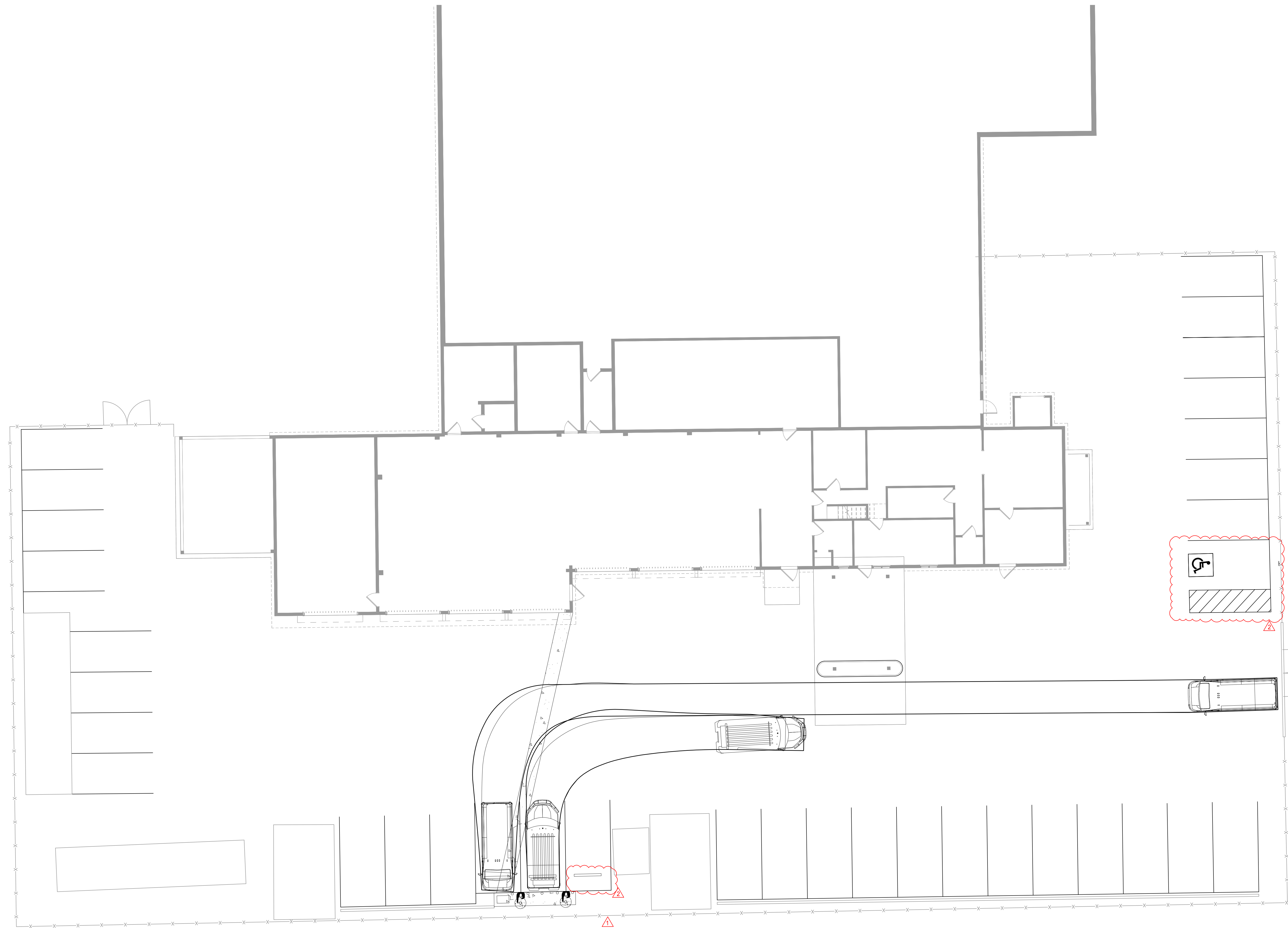
## Design Checklist

Facility Name: 548330-005-984-TACOMA VMF  
 City, State, Zip: TACOMA, WA, 98409  
 Project Phase: 90% Design  
 Reviewer (Individual/Firm Names): WSP  
 Telephone Number: 314-206-4444  
 Date: 01/26/24

**NOTES:**

1. This checklist shall be utilized for the design and construction of facilities being modified due to the installation of charging stations.
2. Design/Build entity shall submit completed checklist with each design submission. Solicitation A/E to review list submitted and return as part of the design review with comments or corrections. The design A/E for Design-Bid-Build projects shall submit completed checklist with each design submission.
3. Items identified with an asterisk (\*) are high priority in the early preliminary design review stages.

Item No.	✓	Priority	Item	Comment
1	✓	*	Parking stall sizes meet dimensional requirements.	
2	N/A	*	Employees have a direct and safe walking route from exiting vestibule to vehicle parking space.	N/A for VMF program
3	N/A	*	Carriers loading area meets dimensional requirements.	N/A for VMF program
4	✓	*	Protection bollards for charging station meets design requirements.	Refer to Standard Detail.
5	N/A	*	Dock height requirements have been met for vehicles backing and loading from rear.	Refer to manual for vehicle type requirements (NGDV, COTS)
6	✓	*	Vehicles are placed closest to operational areas.	
7	✓	*	Vehicle minimum aisle drive width meets requirements.	
8	✓	*	Vehicle counts, vehicle type and charging station requirements have been included in chart as required.	
9	✓	*	Prioritize dual port chargers over single port chargers, if applicable to supplier.	N/A for VMF program
10	✓	*	Prioritize shared circuit over independent wiring, if applicable to supplier.	N/A for VMF program
11	✓	*	Maintain 9.6 kW charging minimum <b>applied</b> per charge port (11.5 kW charger run at 208 V)	Refer to Electrical Infrastructure Design Requirements
12	✓	*	Identification of which 208 V or 240 V system is included	
13	✓	*	Design is based on most cost-effective system meeting all design requirements.	Considerations for part availability and lead times including electrical infrastructure such as transformers, distribution panels, and other equipment can be included in decision making if annotated and communicated.
14	N/A	*	Contingency factor has been included as required.	N/A for VMF program
15	✓	*	Prioritization to single supplier at each site.	Set for VMF program
16	✓	*	Prioritization to single supplier's kit at each site.	Set for VMF program
17	N/A	*	Phasing plan has been developed to support deployment of vehicles using existing building power. COTS BEV vehicles should be prioritized in the phasing plan.	N/A for VMF program
18	N/A	*	Separate utility integrated power meter has been included in the design to support electric vehicles.	
19	✓	*	Compliance has been met for labeling standards for parking spots, EVSE equipment and circuit labeling.	
20	✓	*	Required schedules have been included.	Refer to "Additional Standard Detail Requirements".
21	N/A	*	Approval has been given by USPS Project Manager and/or Operational team for any deviation to standards prior to EV parking lot design reviews.	
22	N/A	*	Traffic flow arrows are depicted on the drawing.	



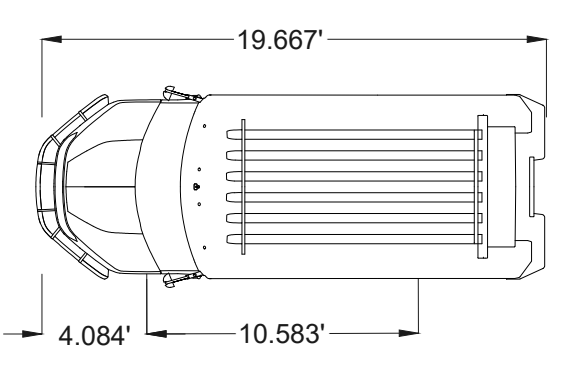
**LEGEND**

- EXISTING GRASS AREA
- EXISTING BUILDING
- EXISTING PAINT STRIPING
- EXISTING FENCE
- EXISTING GATE
- PROPOSED PAINT STRIPING
- PROPOSED PAVEMENT RESTORATION
- PROPOSED ACCESSIBLE PARKING
- NGDV PATH
- COTS PATH

**NOTES:**

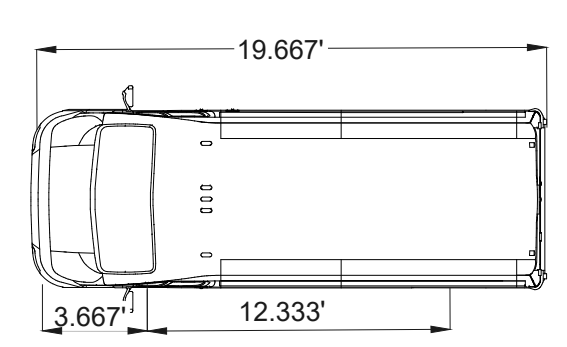
1. NO TITLE SEARCH OR PROPERTY BOUNDARY SURVEY WAS COMPLETED FOR THIS PROJECT. NO BOUNDARY LINES ARE DEPICTED ON THIS DATABASE.
2. A SUBSURFACE UTILITY INVESTIGATION HAS NOT BEEN PERFORMED BY WSP. WA 811 SHOULD BE CONTACTED PRIOR TO COMMENCING ANY EXCAVATION. (800-424-5555). STORM AND SEWER CONNECTIONS WERE EXCLUDED FROM THIS SCOPE OF SERVICE AND ARE NOT SHOWN HEREON.
3. COORDINATES SHOWN BASED ON PUBLICLY AVAILABLE DATA. CONTRACTOR TO ESTABLISH BEARINGS AND COORDINATES SHOWN HEREON, IF ANY, ARE BASED ON THE WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983.
4. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (GEOID 12B).
5. NOT FOR CONSTRUCTION. FOR TRAFFIC FLOW SUPPORT ONLY.

**VEHICLE PROFILE**



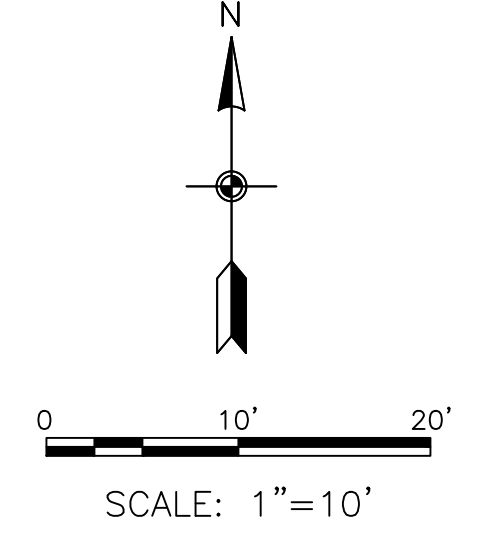
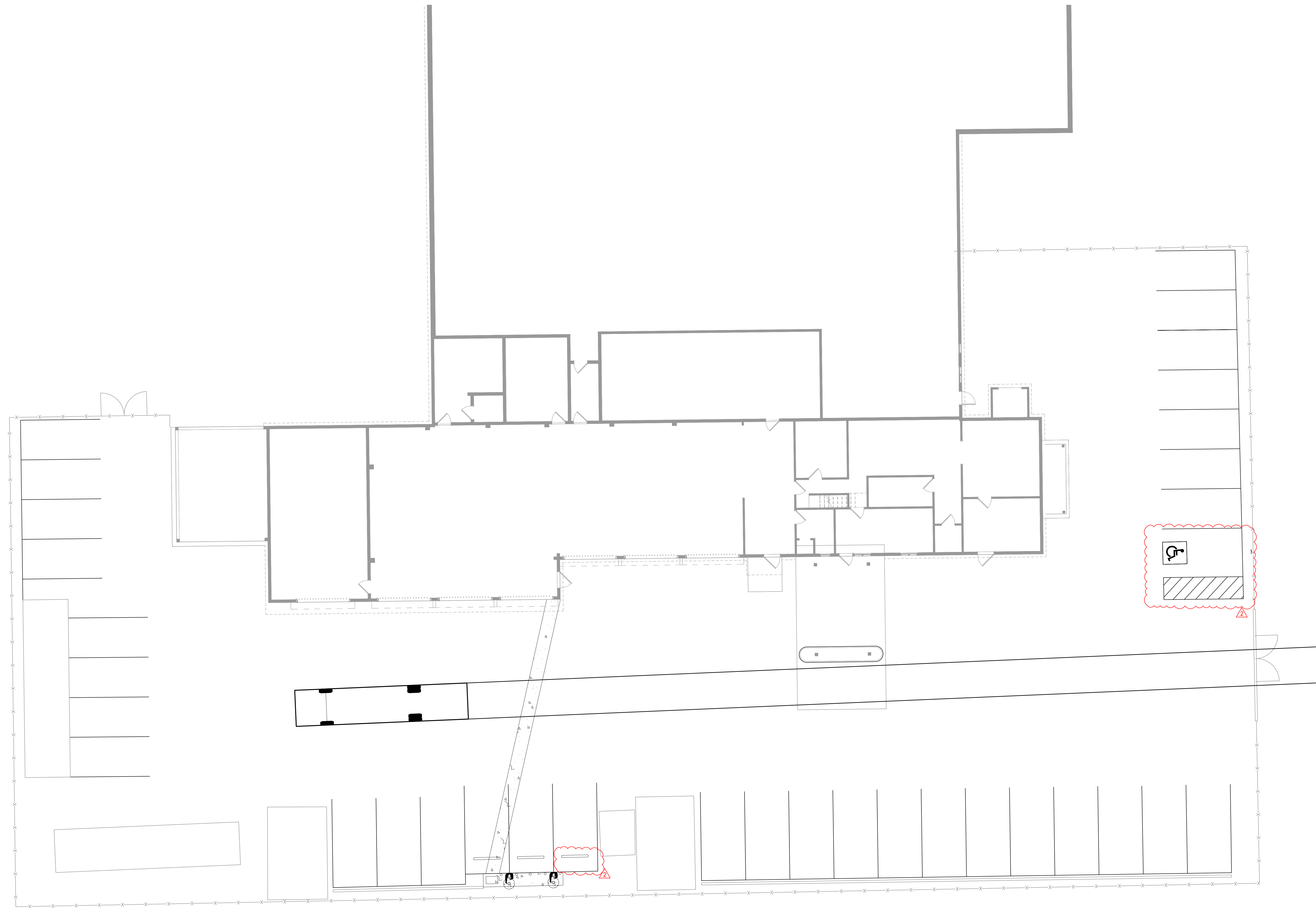
**NGDV**

OVERALL LENGTH	19.667 FT
OVERALL WIDTH	7.083 FT
OVERALL BODY HEIGHT	8.500 FT
CURB TO CURB TURNING RADIUS	22.000 FT



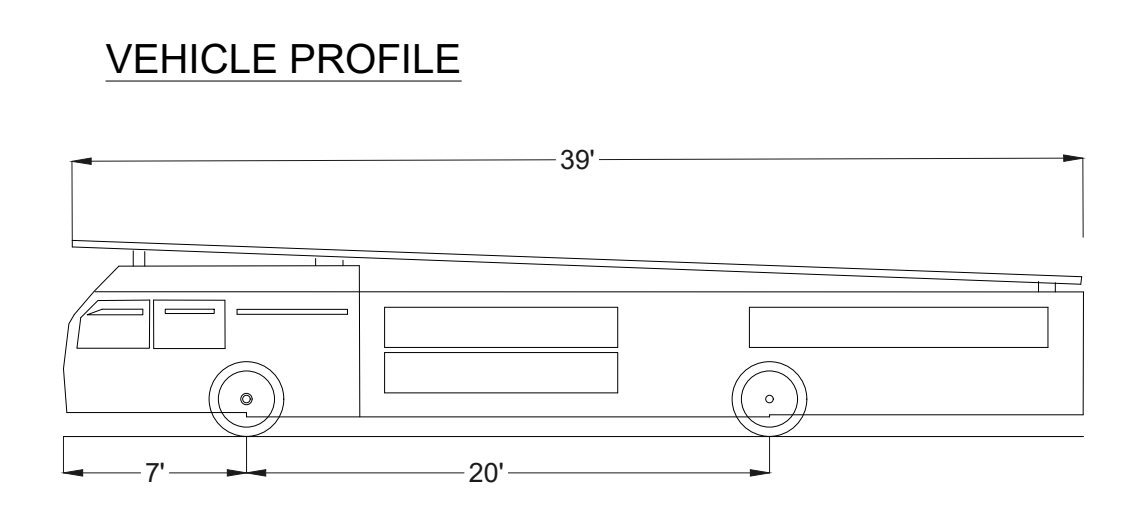
**COTS**

OVERALL LENGTH	19.667 FT
OVERALL WIDTH	6.833 FT
OVERALL BODY HEIGHT	8.500 FT
CURB TO CURB TURNING RADIUS	20.000 FT



- LEGEND**
- EXISTING GRASS AREA
  - EXISTING BUILDING
  - EXISTING PAINT STRIPING
  - EXISTING FENCE
  - EXISTING GATE
  - PROPOSED PAINT STRIPING
  - PROPOSED PAVEMENT RESTORATION
  - PROPOSED ACCESSIBLE PARKING
  - FIRE TRUCK PATH

- NOTES:**
1. NO TITLE SEARCH OR PROPERTY BOUNDARY SURVEY WAS COMPLETED FOR THIS PROJECT. NO BOUNDARY LINES ARE DEPICTED ON THIS DATABASE.
  2. A SUBSURFACE UTILITY INVESTIGATION HAS NOT BEEN PERFORMED BY WSP. WA 811 SHOULD BE CONTACTED PRIOR TO COMMENCING ANY EXCAVATION. (800-424-5555). STORM AND SEWER CONNECTIONS WERE EXCLUDED FROM THIS SCOPE OF SERVICE AND ARE NOT SHOWN HEREON.
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  4. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (GEOID 12B).
  5. NOT FOR CONSTRUCTION. FOR TRAFFIC FLOW SUPPORT ONLY.



**AERIAL FIRE TRUCK**

OVERALL LENGTH	39.000 FT
OVERALL WIDTH	8.167 FT
OVERALL BODY HEIGHT	7.500 FT
MINIMUM BODY GROUND CLEARANCE	0.750 FT
TRACK WIDTH	8.167 FT
LOCK-TO-LOAD TIME	5.00 S
MAXIMUM WHEEL ANGLE	45.00°

**United States Postal Service – Facilities  
Form ECC-EZ**

**Energy Compliance Certification for Low to Moderate Energy-Impact R&A Projects**

Use this form ECC-EZ to certify compliance to USPS energy standards for all projects that cost from \$5000 to \$1 million and have low/moderate energy impact. Upload completed form to the project's eFMS Energy Work Summary prior to construction award.

Do NOT use this form ECC-EZ for projects that have high energy impact (including new space) and therefore require form ECC-S instead, such as:

- o Any addition and/or deletion to conditioned sf
- o Central plant (chiller/ boiler/air handler) in building ≥ 20k sf
- o Comprehensive HVAC in building ≥ 20k sf
- o **Comprehensive lighting in building ≥ 20k sf**
- o Other significant energy impact (contact Facilities HQ Energy & Sustainability Program Management (ESPM) Group for guidance)
- o Roof replacement in building ≥ 40k sf
- o Compressed air systems / components for mail processing
- o Major energy-impacting project in building ≥ 75k sf
- o Project cost ≥ \$1 million

**PROJECT TYPE**

Which of these apply to your project? (check all that apply):

- HVAC hardware (e.g., DX unit, pump, ductwork)
- HVAC controls (e.g., thermostat, DDC, actuator)
- Lighting and/or lighting control
- Building envelope (e.g., window, roof, wall, door, dock seal): specify \_\_\_\_\_
- Other (contact Facilities HQ ESPM Group for guidance): specify \_\_\_\_\_
- Chiller
- Boiler
- Air handler
- Air compressor to support mechanization
- Water heater

**BASIC FACILITY AND PROJECT DATA**

Project Manager _____	Project or FSSP # _____
Site name _____	Site Finance ID _____
Street address _____	District _____
City, State, ZIP _____	Area _____
Project Description _____	
Estimated \$ _____	Scheduled construction completion date _____

**“BEFORE” AND “AFTER” EQUIPMENT (NAMEPLATE) DATA**

	<u>Equipment &amp; Quantity</u>	<u>Tons or btu10<sup>6</sup></u>	<u>Efficiency/age</u>	<u>Refrigerant &amp; Energy SavingsKWH</u>
<input type="checkbox"/> HVAC	OLD: _____	_____	age: _____	_____
	NEW: _____	_____	efficiency: _____	_____
	<u>Lamp Type</u>	<u>Quantity</u>	<u>Avg foot candles</u>	<u>Other(kwh/yr saved by Installing new fixtures)</u>
<input type="checkbox"/> Lighting	OLD: _____	_____	(est.) _____	_____
	NEW: _____	_____	_____	_____
	<u>Type/Material</u>	<u>Roof Size (sf)</u>	<u>Insulation R-Value</u>	<u>Other (BTU/yr savings)</u>
<input type="checkbox"/> Roof	OLD: _____	_____	(or inches: ) _____	_____
	NEW: _____	_____	_____	_____
	Is the new roof Energy Star qualified? <input type="checkbox"/> NO <input type="checkbox"/> YES			
<input type="checkbox"/> Other	OLD: _____	_____	_____	_____
	NEW: _____	_____	_____	_____

**COMPLIANCE TO STANDARDS**

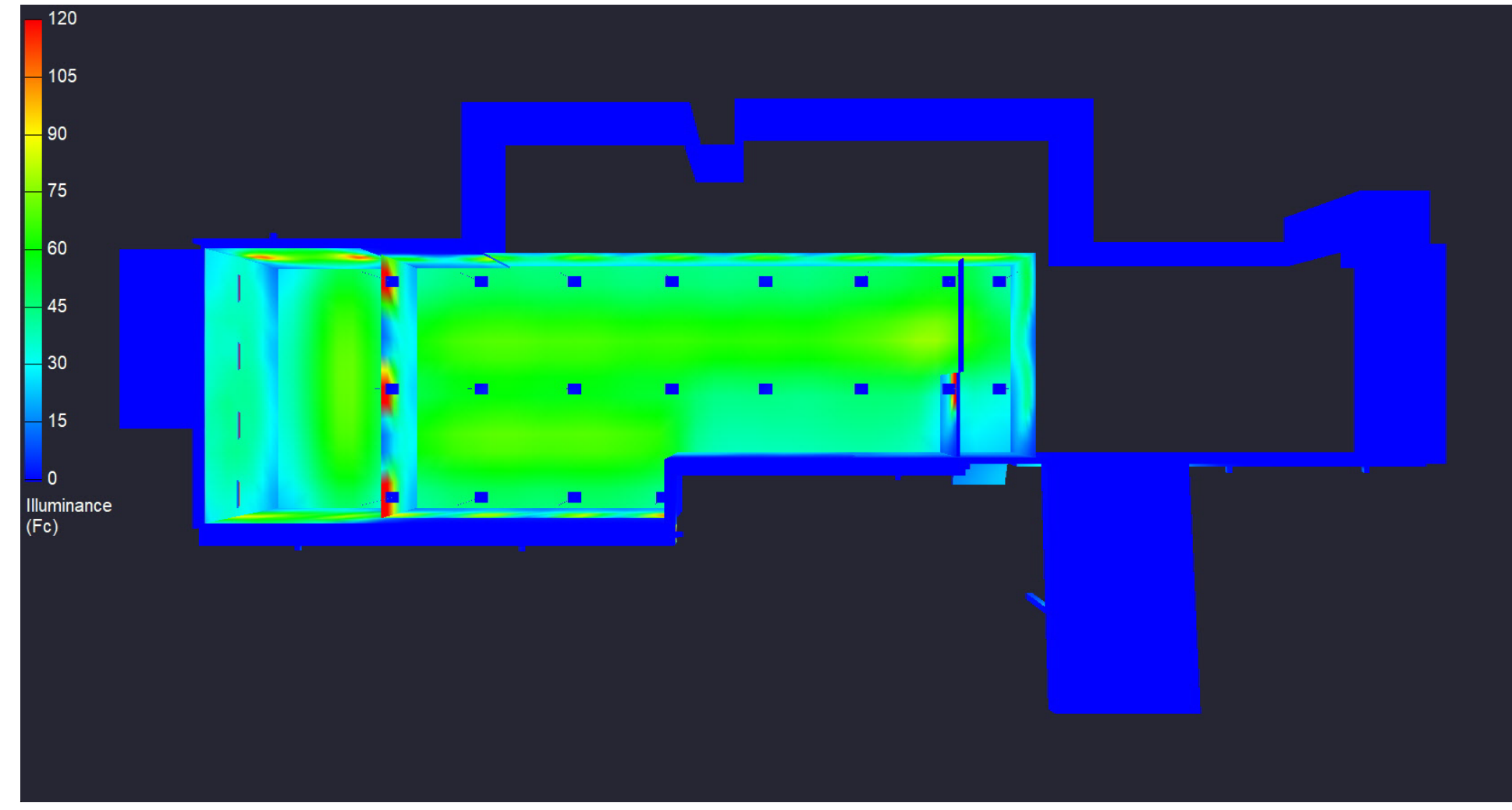
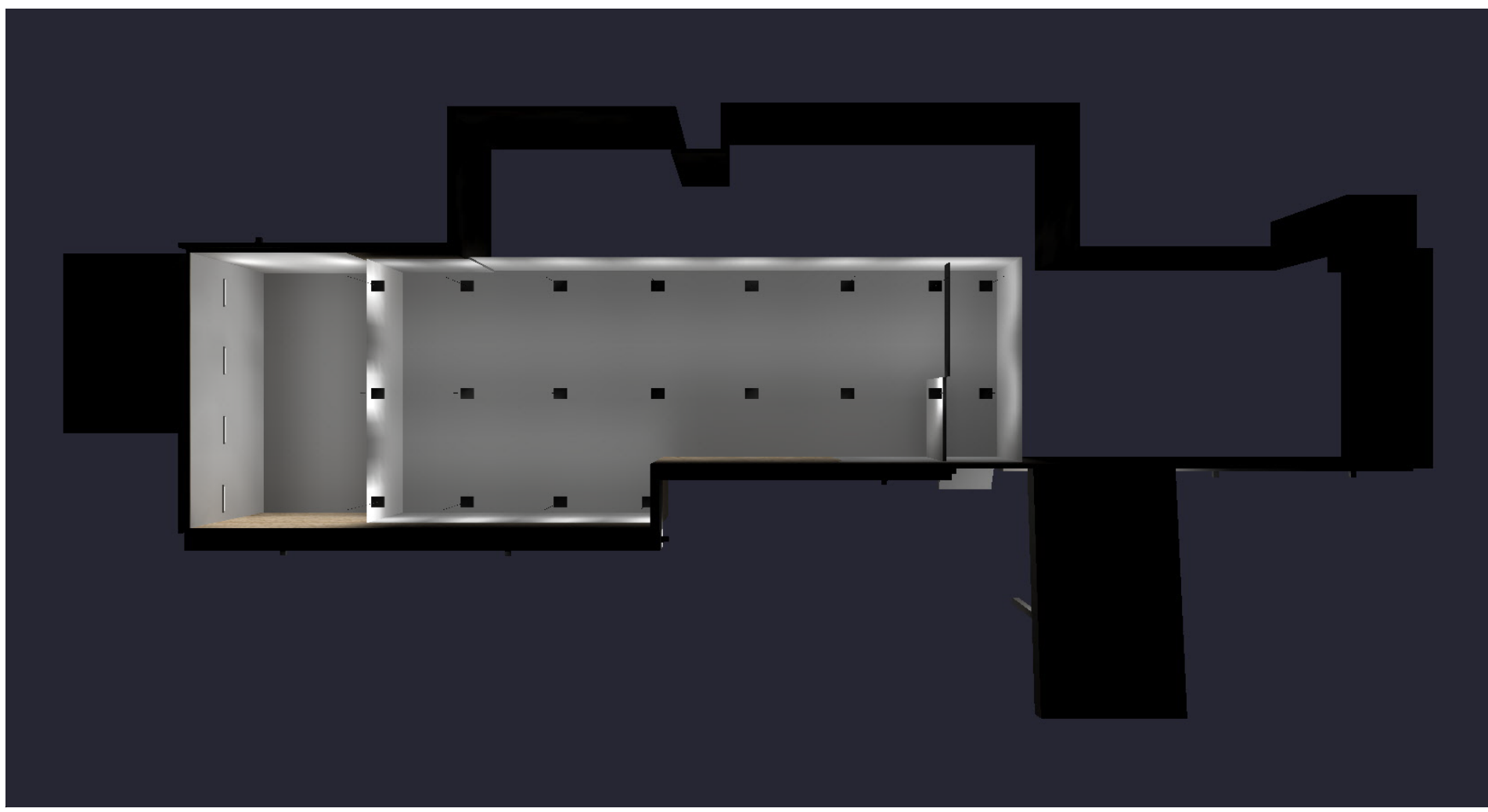
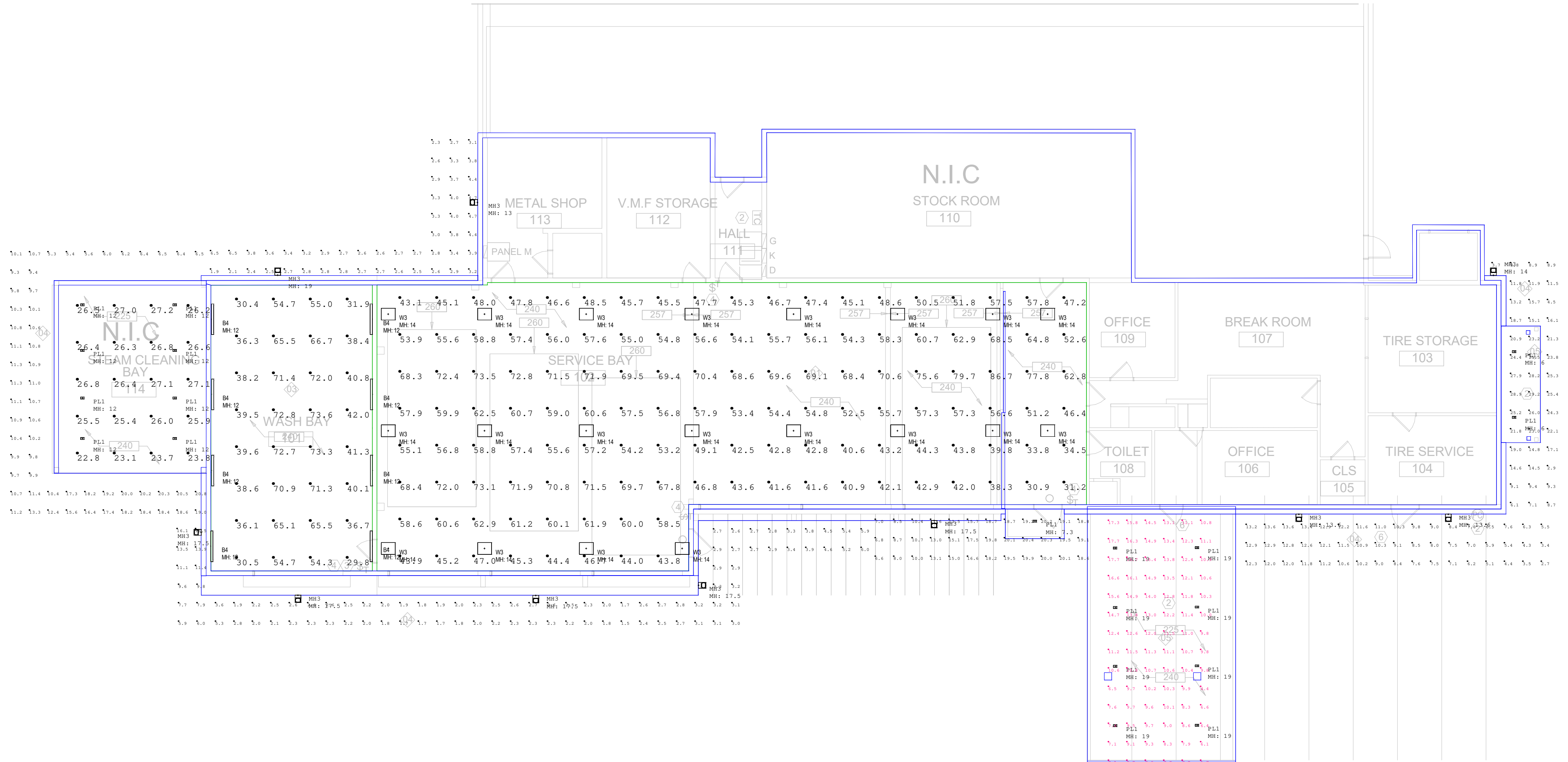
Which of these statements applies to this project?  This project complies with all USPS Standard Design Criteria (SDC).

A deviation from USPS Standard Design Criteria (SDC) is authorized for this project.

fixtures specified based on lead time/schedule

<p><b><u>PROJECT MANAGER CERTIFICATION</u></b></p> <p>Name _____</p> <p>Signature _____ Date _____</p>	<p><b><u>TEAM LEADER APPROVAL</u></b></p> <p>Name _____</p> <p>Signature _____ Date _____</p>
--------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------

Upload completed form in PDF format to the project's eFMS Energy Work Summary prior to construction award. More information may be requested at the discretion of Facilities HQ Energy & Sustainability Program Management Group.



Tag	Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF	Filename
B4		8	B4_FEX L48 18000LM FPCL MD 40	FEX L48 18000LM FPCL MD 40K 80CRI DWHXD	121.84	17939	0.900	B4_FEX L48 18000LM FPCL MD 40K 80CRI DWHXD.ies
MH3		10	MH3_MRW LED P2 SR4 40K MVOLT	MRW LED P2 SR4 40K MVOLT	29.17	3053	0.900	MH3_MRW LED P2 SR4 40K MVOLT.ies
PL1		19	PL1_DSXSC LED 30C 530 40K T5M	DSXSC LED 30C 530 40K T5M MVOLT	53	6787	0.900	PL1_DSXSC LED 30C 530 40K T5M MVOLT.ies
W3		20	W3_XIB L24 15000LM ATWD 40K	XIB L24 15000LM ATWD_40K 80CRI	97.02	14861	0.900	W3_XIB L24 15000LM ATWD 40K 80CRI.ies

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Grid Z (Calcs Plane Height)	Target Light Level
Canopy Extension_East	Illuminance	Fc	16.93	29.2	2.9	5.84	10.07	0	
Canopy Extension_South east	Illuminance	Fc	9.20	13.6	2.7	3.41	5.04	0	
Canopy South	Illuminance	Fc	15.50	20.4	6.6	2.35	3.09	0	
Main Canopy South	Illuminance	Fc	11.18	17.7	4.4	2.54	4.02	0	
North west Extension	Illuminance	Fc	3.26	6.5	1.9	1.72	3.42	0	
SERVICE BAY_102_Workplane	Illuminance	Fc	55.44	86.7	30.9	1.79	2.81	1	
South Extension	Illuminance	Fc	3.09	9.8	1.5	2.06	6.53	0	
Steam Cleaning Bay	Illuminance	Fc	25.83	27.2	22.8	1.13	1.19	0	
WASH BAY_101_Workplane	Illuminance	Fc	51.55	73.6	29.8	1.73	2.47	1	
West Extension	Illuminance	Fc	12.30	20.8	5.3	2.32	3.92	0	

**NOTES**

- ILLUMINANCE CALCULATIONS ARE BASED ON PUBLISHED CALCULATION METHODS AND ARE FOR REFERENCE ONLY. FIELD MEASURED RESULTS MAY DIFFER FROM CALCULATED RESULTS AND ARE DEPENDANT ON A VARIETY OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: MANUFACTURER'S PHOTOMETRY DATA, LINE VOLTAGE, LUMINAIRE PERFORMANCE, TEMPERATURE, AND ACTUAL CONDITION OF FINISHES AND ENVIRONMENT.
- REFLECTANCE ASSUMPTIONS:  
 CEILING REFLECTANCE - 40%  
 WALL REFLECTANCE - 50%  
 FLOOR REFLECTANCE - 14%
- CEILING HEIGHT IS 20'-03" AFF

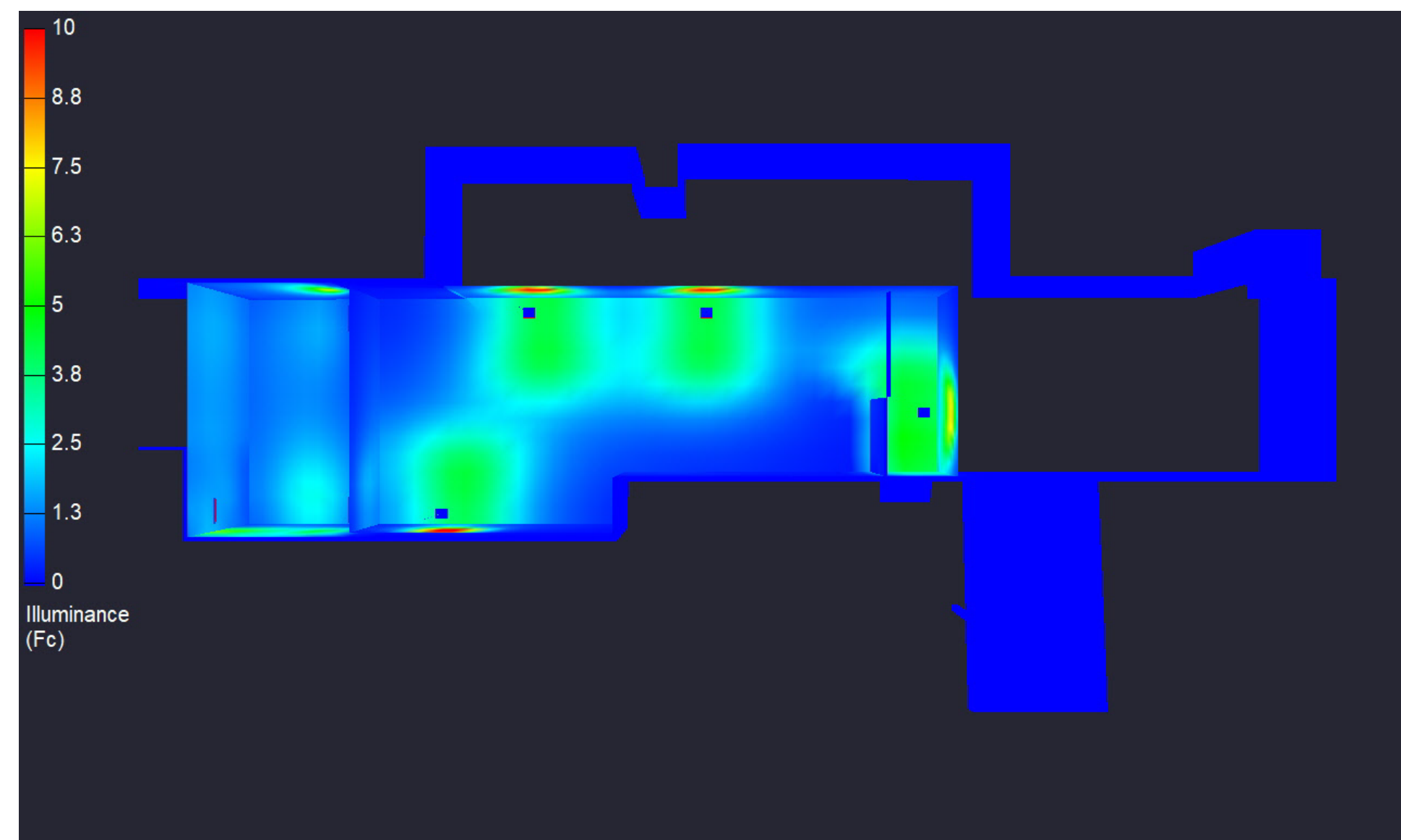
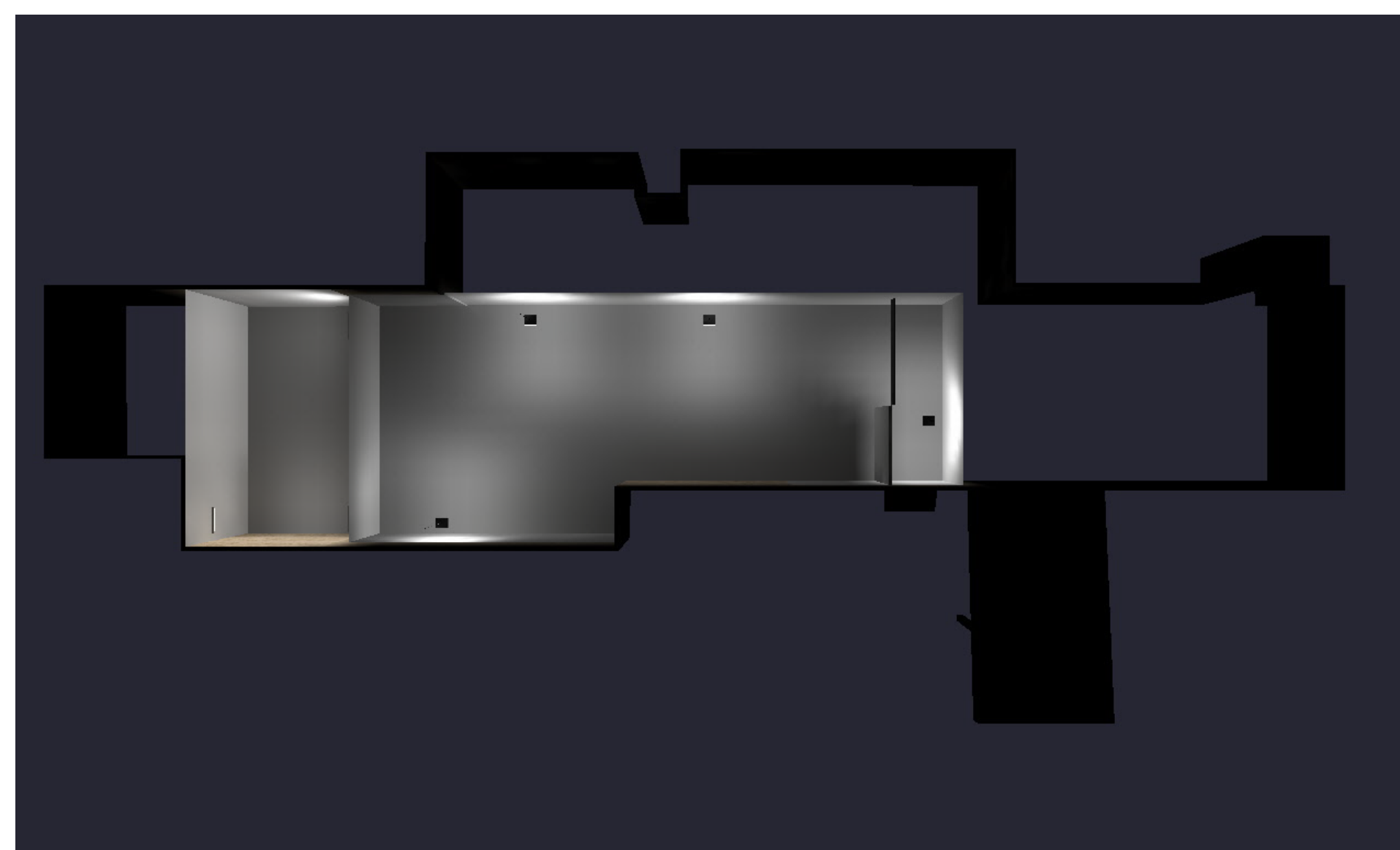
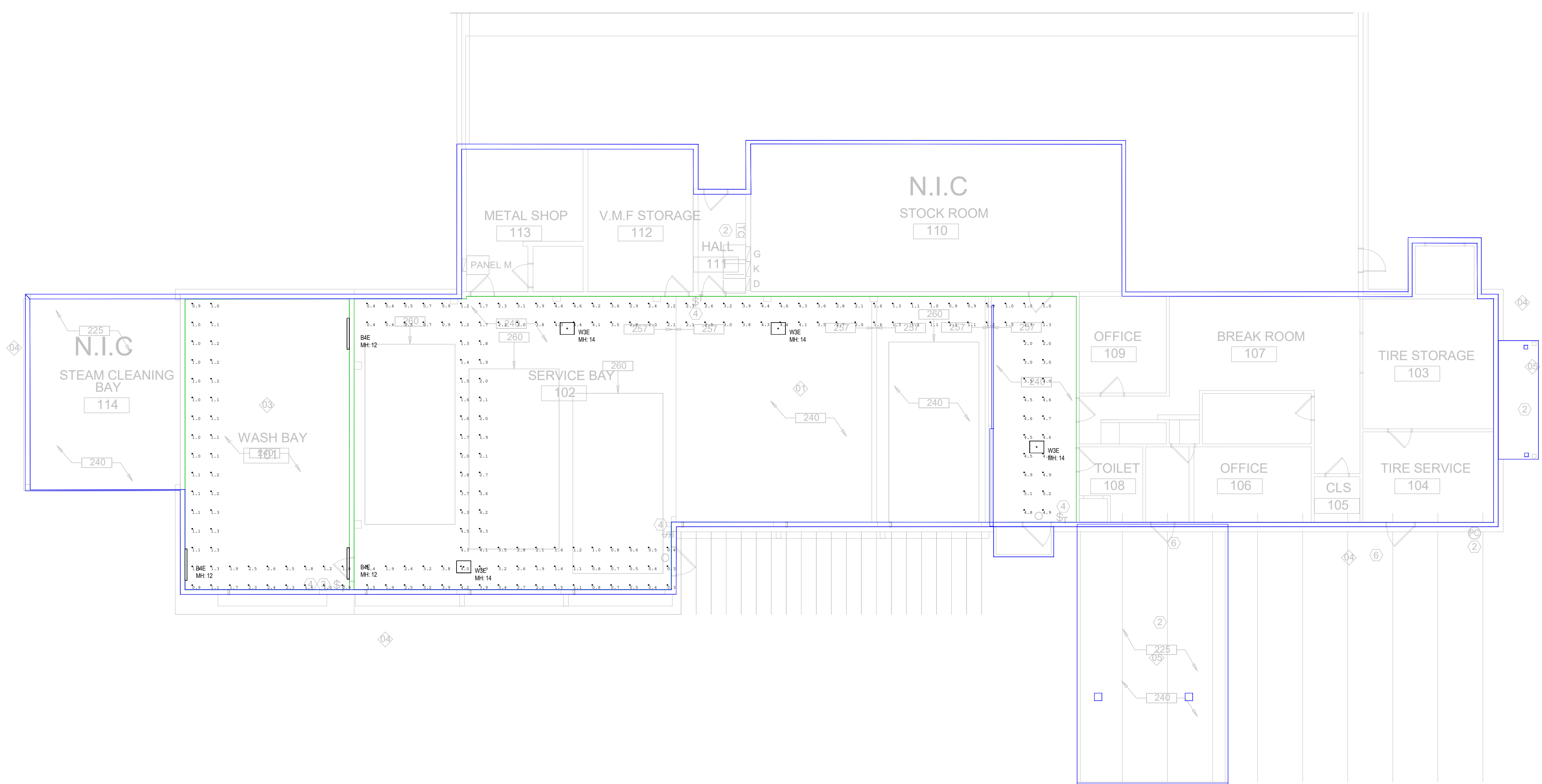
4.0.9 LLF CALCULATED BASED ON LINEAR INTERPOLATION TO 50,000 HOURS FROM MANUFACTURERS REPORTED LIFE.

NOTES
1

Revisions

Drawn By: \_\_\_\_\_  
 Checked By: \_\_\_\_\_  
 Date: 23-01-2024  
 Scale: \_\_\_\_\_

TACOMA VMF PHOTOMETRICS  
 WSP LIGHTING



Tag	Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF	Filename
B4E		3	B4_FEX L48 18000LM FPCL MD 40	FEX L48 18000LM FPCL MD 40K 80CRI DWHXD	121.84	17939	0.074	B4_FEX L48 18000LM FPCL MD 40K 80CRI DWHXD.ies
W3E		4	W3_XIB L24 15000LM ATWD 40K	XIB L24 15000LM ATWD_40K 80CRI	97.02	14861	0.185	W3_XIB L24 15000LM ATWD 40K 80CRI.ies

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Grid Z (Calcs Plane Height)	Target Light Level
Egress Bay_Egress Path	Illuminance	Fc	2.45	5.2	0.3	8.17	17.33	0	
Wash Bay_Egress Path	Illuminance	Fc	1.32	2.6	0.9	1.47	2.89	0	

**NOTES**

- ILLUMINANCE CALCULATIONS ARE BASED ON PUBLISHED CALCULATION METHODS AND ARE FOR REFERENCE ONLY. FIELD MEASURED RESULTS MAY DIFFER FROM CALCULATED RESULTS AND ARE DEPENDANT ON A VARIETY OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: MANUFACTURER'S PHOTOMETRY DATA, LINE VOLTAGE, LUMINAIRE PERFORMANCE, TEMPERATURE, AND ACTUAL CONDITION OF FINISHES AND ENVIRONMENT.
- REFLECTANCE ASSUMPTIONS:  
 CEILING REFLECTANCE - 40%  
 WALL REFLECTANCE - 50%  
 FLOOR REFLECTANCE - 14%
- CEILING HEIGHT IS 20'-03" AFF
- 4.0.9 LLF CALCULATED BASED ON LINEAR INTERPOLATION TO 50,000 HOURS FROM MANUFACTURERS REPORTED LIFE.

1	NOTES
xxxxxxx	

Revisions

Drawn By: \_\_\_\_\_  
 Checked By: \_\_\_\_\_  
 Date: 22-01-2024  
 Scale: \_\_\_\_\_

TACOMA VMF PHOTOMETRICS  
 WSP LIGHTING

DATE & TIME: 4/11/2024 1:12:18 PM



5 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT SOUTH EAST ELEVATION



4 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT CANOPY



3 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT SOUTH ELEVATION



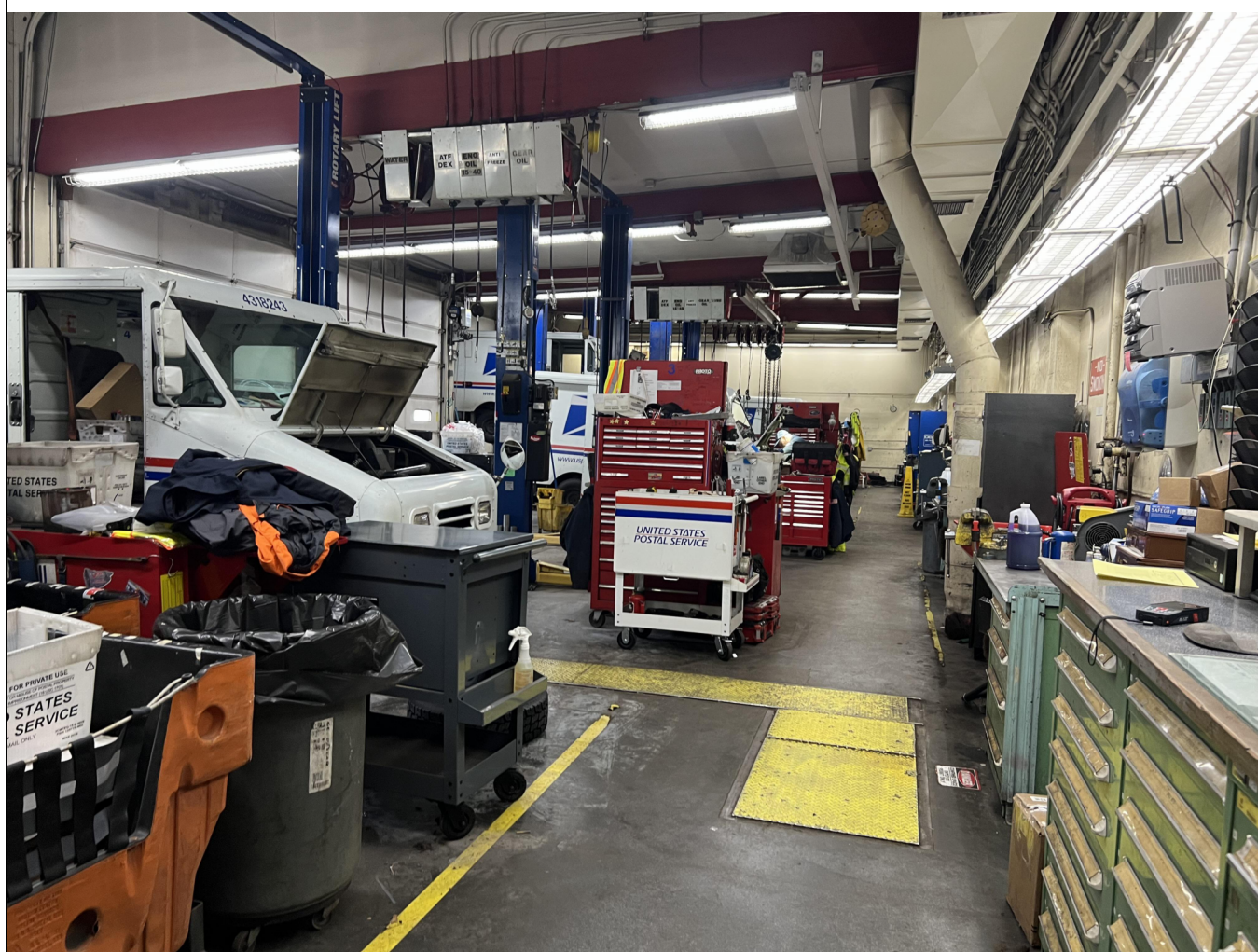
2 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT SOUTH ELEVATION



1 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT SOUTH ELEVATION



10 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



9 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



8 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



7 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT EAST ELEVATION



6 PHOTOGRAPH - EXTERIOR OF VMF BUILDING AT SOUTH ELEVATION



15 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



14 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



13 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT BAY 3



12 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT BAY 3



11 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



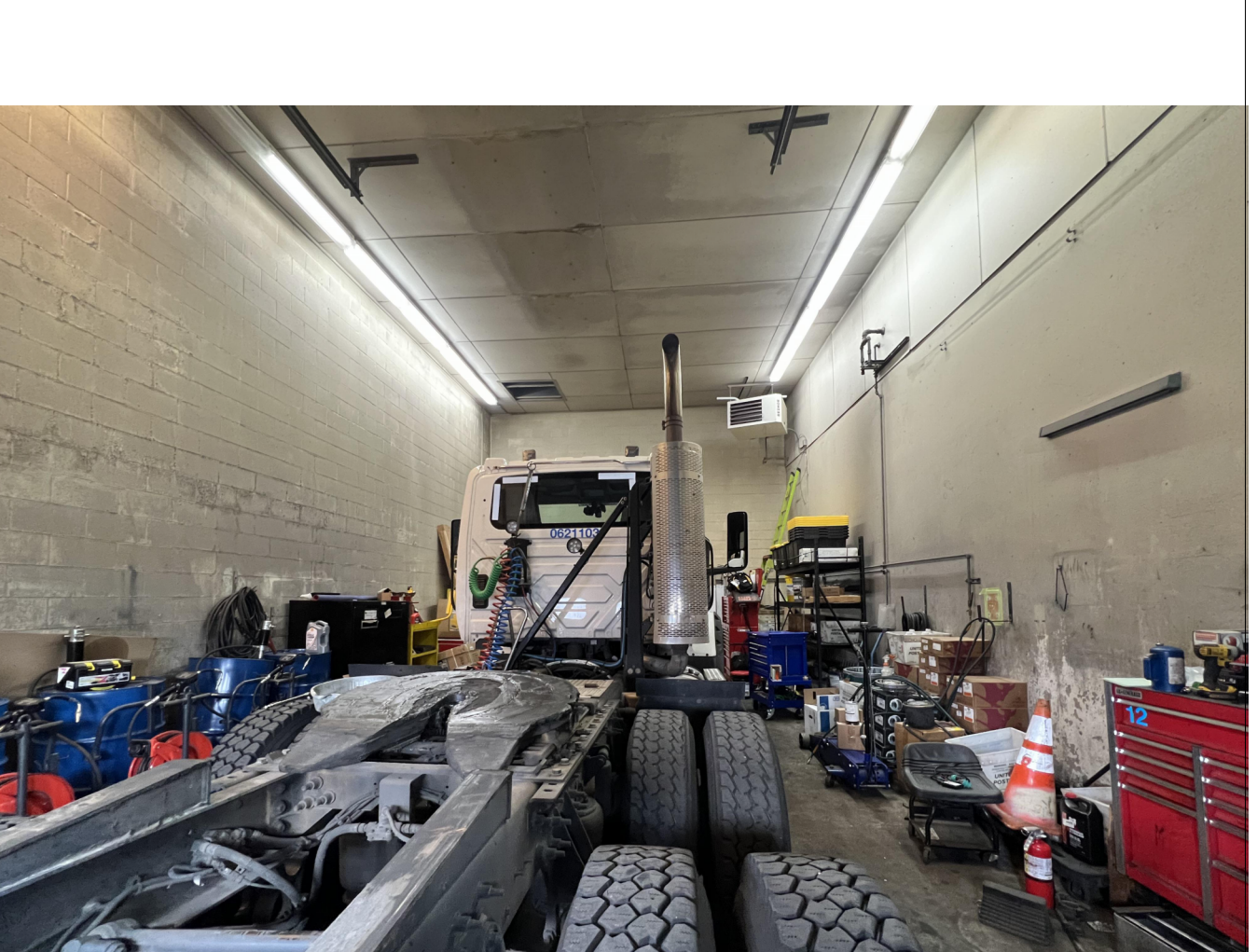
20 PHOTOGRAPH - INSIDE PANEL G



19 PHOTOGRAPH - PANEL G



18 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT SERVICE BAY



17 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT WASH BAY



16 PHOTOGRAPH - INTERIOR OF VMF BUILDING AT WASH BAY