

SIDEWALK SHED GENERAL NOTES:

- ALL WORK OF THIS SECTION SHALL COMPLY WITH THE REQUIREMENTS AND THE CONDITIONS OF THE CONTRACT, WITH SECTION 02 90 00 "SIDEWALK SHED" AND WITH ALL CONTRACT DOCUMENTS.
- THE WORK MUST BE PERFORMED IN COMPLIANCE WITH ALL THE SAFETY REGULATIONS OF NEW YORK CITY BUILDING CODE, OSHA AND ANY GOVERNMENTAL AGENCY HAVING THE JURISDICTION.
- THE CONTRACTOR SHALL HIRE A PROFESSIONAL ENGINEER LICENSED IN NYC TO DESIGN THE SIDEWALK SHEDS AS PER NYC BC LOADING CRITERIA AND PROVIDE A LAYOUT THAT SATISFIES ALL CODE REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT THEIR PROPOSED SIDEWALK SHOP DRAWINGS TO DESIGNER OF RECORD (DOR) AND NYCHA FOR REVIEW.
- THE REVIEW CARRIED OUT BY THE NYCHA REPRESENTATIVE AND DOR IS CURSORY ONLY AND SHALL NOT RELIEVE THE CONTRACTOR OF ANY LIABILITY FOR THE SUBMITTED SIDEWALK SHED DESIGN.
- THE CONTRACTOR IS REQUIRED TO SUBMIT A CERTIFICATE SIGNED BY THEIR LICENSED ENGINEER ATTESTING THAT THE INSTALLATION HAS BEEN INSPECTED AND CONFORMS TO THE REQUIREMENTS OF THEIR DESIGN AND SHOP DRAWINGS.
- PARAPET IS REQUIRED WHEN SIDEWALK SHED IS NOT ABUTTING THE BUILDING EVEN IF THERE WERE NO PUBLIC ACCESS TO ADJACENT LOCATION.

TECHNICAL NOTES:

- SIDEWALK SHEDS ARE TO BE ERECTED AT BUILDING ENTRANCES AND EXITS INCLUDING EXIT RAMPS.
- SIDEWALK SHEDS SHALL EXTEND A MINIMUM OF HALF THE HEIGHT OF THE BUILDING AWAY FROM AND IN ALL DIRECTIONS ALONG THE FACADES OF THE BUILDING. SEE SCHEMATIC PLAN OF ZONE REQUIRING SHEDDING.
- ALL OTHER ENTRANCES AND EXITS TO A BUILDING, AS DIRECTED BY MANAGEMENT, SHALL BE FENCED OFF FOR THE PERIOD OF CONSTRUCTION WITH CHAIN-LINK FENCING AND SIGNAGE DIRECTING TO ALTERNATE EXIT AND ENTRANCE LOCATIONS IS TO BE PROVIDED.
- THE SIDE OF THE SHED NEAREST THE BUILDING AND NOT BUILT SOLIDLY AGAINST THE BUILDING FACE SHALL BE SEALED OFF WITH FULL HEIGHT 1/2" MESH CONSTRUCTION NETTING AS WELL AS MIN. 6 FEET HIGH, 11 GAUGE, 2" x 2" CHAIN LINK FENCE. ADDITIONALLY, SEAL OFF BOTH SIDES OF SHEDS WITHIN 30' RADIUS OF BUILDING ENTRANCES WITH SAME MATERIALS.
- FOR CHANNELS, ANGLES, PLATES AND S-SECTIONS PROVIDE MIN. GRADE A36 STEEL. FOR W SECTIONS GRADE A992 IS PREFERRED. FOR PIPE USE MIN. GRADE A53B. FOR ROUND AND RECTANGULAR HSS SECTIONS USE MIN. GRADE A500B.
- FIRST TWO (2) BAYS MUST BE FULLY INSTALLED COMPLETE WITH CROSS AND HORIZONTAL BRACING BEFORE SUBSEQUENT BAYS ARE INSTALLED. PROVIDE ADDITIONAL CROSS BRACING FOR STABILITY OF ALL POSTS/SHED, AS REQUIRED PER REVIEWED DESIGN CALCULATIONS. PARAPET IS REQUIRED WHEN SIDEWALK SHED IS NOT ABUTTING THE BUILDING EVEN IF THERE WERE NO PUBLIC ACCESS TO ADJACENT LOCATION.
- POSTS MUST BE SET ON A SURFACE LEVELED WITH WOOD BLOCKING. POSTS MUST BE PLUMB ON ALL SURFACES INCLUDING RAMPS. BLOCKING MUST BE MINIMUM 8" x 8" x 2" THICK. MAXIMUM BUILT UP HEIGHT SHALL BE 4" WITH STACKED PIECES NAILED TOGETHER. FOR INCREASED STABILITY OF STACKS HEIGHT MORE THAN 4", ENCASE THE BLOCKS WITH NAILED 3/4" THICK PLYWOOD OR WOOD PLANKS ON ALL FOUR SIDES. MAXIMUM HEIGHT OF STACKED BLOCKS NOT TO EXCEED 12".
- DIAGONAL BRACING MUST BE PROVIDED AT FIRST 2 BAYS, EVERY 4TH BAY, AND AT ELEVATION AND DIRECTION CHANGES ON BOTH SIDES.
- FIRE TRUCK ACCESS REQUIREMENT: WHERE THE AREA OF SIDEWALK SHED REQUIRES FIRE TRACKS TO PASS UNDERNEATH, THE SHED SHALL BE 16'-0" HIGH BY 12'-0" WIDE MIN. COORDINATE ACCESS AND SIDEWALK SHED WIDTH AND A HEIGHT WITH FDNY AND DEVELOPMENT MANAGEMENT.
- FOR LIGHT FIXTURE INSTALLATION AND HEIGHT, SEE DWG. G-004.00 AND SPECIFICATIONS.
- INSTALL ANCHOR TIES AT COLUMN BASE AS REQUIRED.

LEGAL REQUIREMENTS:

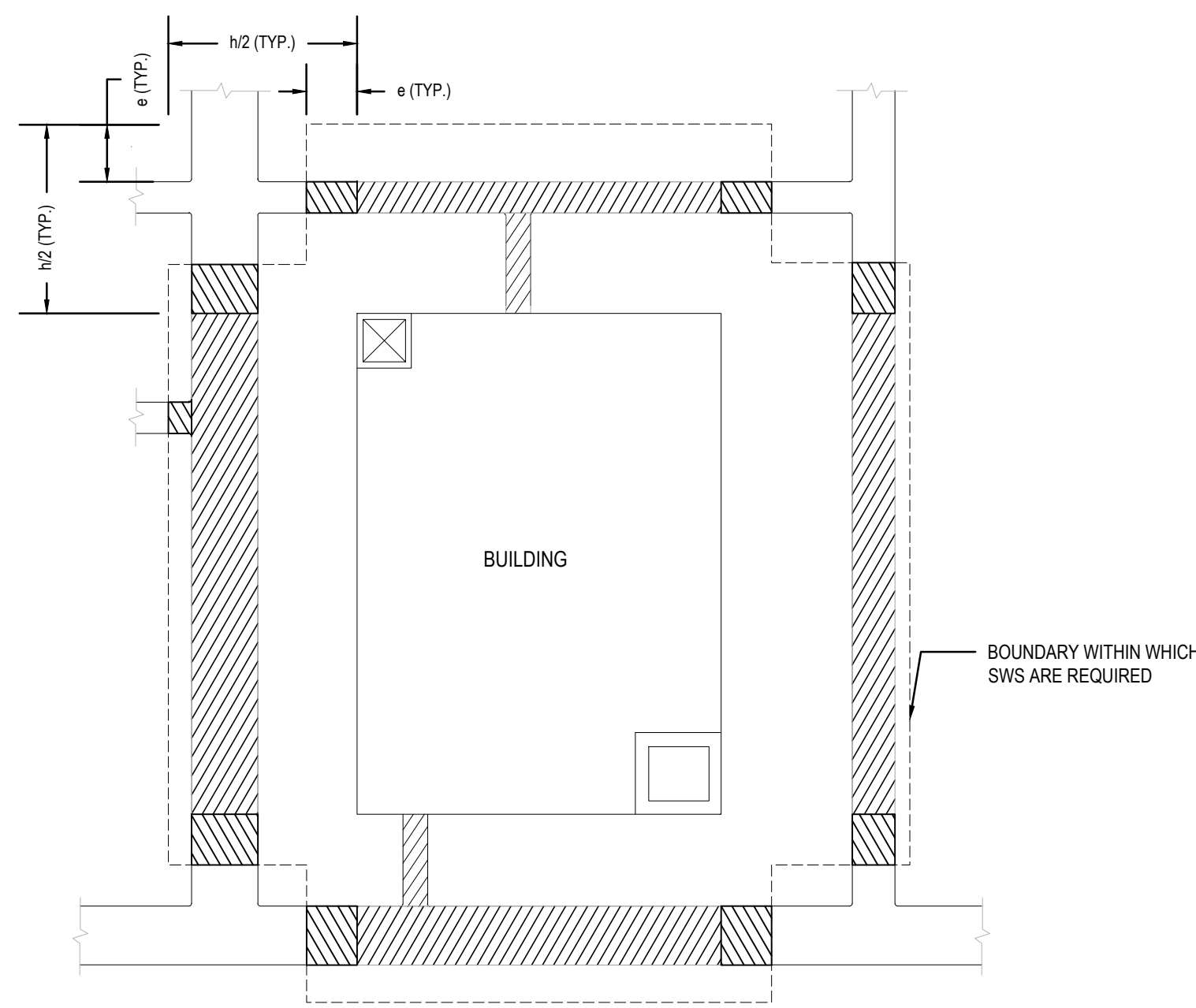
- THE CONTRACTOR SHALL PROVIDE A SCHEMATIC LAYOUT OF SIDEWALK SHED LIGHTING INCLUDING SOURCE OF LIGHTING.
- A SIGN MUST BE POSTED ON THE SIDEWALK SHED WITH THE FOLLOWING: CONTRACTOR'S ADDRESS, EMERGENCY CONTACT #, BUILDING ADDRESS, ETC., AS REQUIRED PER DOB.
- SIDEWALK SHED & TEMPORARY FENCE PROTECTION & PHASING FOLLOWING NYC BC AND NYCHA'S PROCEDURES. PEDESTRIAN AREAS, I.E., SIDEWALKS, RAMPS, SERVICE AREAS, PARKING LOTS, ETC. MUST BE PROTECTED FROM FALLING OBJECTS WITH A SIDEWALK SHED OR A TEMPORARY CHAIN LINK FENCE, IF THEY ARE WITHIN AN AREA THAT IS A HALF THE BUILDING HEIGHT OR LESS. FURTHERMORE, IN ORDER TO MINIMIZE THE IMPACT ON THE RESIDENT USE OF PUBLIC SPACES, THE WORK SHALL BE PHASED AND ADJACENT BUILDINGS SHALL BE GROUPED.

SAFETY NOTES:

- AREA OF ERECTION / DISMANTLING SHALL BE BARRICADED DURING WORK. CAUTION AND WARNING SIGNS SHALL BE POSTED.
- POSTS SHALL NOT REST DIRECTLY ON VAULTS OR GRATINGS.
- ALL WORK OPERATIONS, INCLUDING ERECTION/ DISMANTLING SHALL BE UNDER THE SUPERVISION OF THE COMPETENT PERSON WITH A MINIMUM OF 5 YEARS OF EXPERIENCE IN CARPENTRY TRADE.
- SIDEWALK SHEDS SHALL NOT BE ATTACHED TO ANY BUILDING.
- CROSS-BRACING SHALL BE INSTALLED IN THE FIRST TWO (2) BAYS DURING INSTALLATION AND SHALL BE REMOVED LAST DURING DISMANTLING.
- PARAPETS MUST BE PROVIDED AT THE SIDEWALK SHED PERIMETER TO ARREST ANY FALLING DEBRIS AND OBJECTS ON TOP OF THE SHED.
- THE CORRUGATED DECKING (24 GAUGE MIN.) IS PLACED UNDER THE WOODEN DECK TO PREVENT WATER LEAKS.
- ERECTION AND DISMANTLING OF THE SHED SHALL BE LIMITED TO THE HOURS OF 8:00AM - 4:00PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE DIRECTED. A SEPARATE SIDEWALK SHED PERMIT IS REQUIRED FOR WEEKEND WORK EXCEPT FOR THAT DEEMED AN EMERGENCY BY THE NYC DEPARTMENT OF BUILDINGS.
- ERECTION AND DISMANTLING OF THE SHED SHALL NOT BLOCK WALKWAYS OR ANY MEANS OF RESIDENT EGRESS FROM BUILDING.
- FIRE HYDRANTS AND OTHER FIRE SAFETY FACILITIES SHALL NOT BE OBSTRUCTED BY THE SHED AT ANY TIME. SEE SPECIFICATIONS FOR ALL REQUIREMENTS.
- REMOVAL OF HAND RAILS SHALL BE PROHIBITED EXCEPT FOR TEMPORARY REMOVAL DURING LOADING OPERATIONS.
- ELECTRICAL CONDUIT SHALL NOT BE ACCESSIBLE TO THE PUBLIC AND NO TEMPORARY OR "PIGTAIL" LIGHTING SHALL BE PERMITTED. POWER FOR LIGHTING SHALL BE PROVIDED BY INDIVIDUALLY ASSIGNED CIRCUITS AND NOT TAPPED FROM EXISTING FIXTURES.
- ALL CLAMPS, BOLTS, PINS AND CLIPS MUST BE SECURED AND TIGHT.
- ALL EXPOSED BOLTS OF SHED FRAMING SHALL BE COVERED WITH SAFETY CAPS OR PADDED AND DUCT-TAPED AS PER SPECIFICATIONS REQUIREMENTS
- SIDEWALK SHEDS & ALL METALLIC COMPONENTS SHALL BE ELECTRICALLY GROUNDED.

ADDITIONAL NOTES:

- FOR ALL SHED CONFIGURATIONS REQUIRED BY SITE CONDITIONS, CALCULATIONS SHOWING REQUIRED STEEL MEMBERS SHALL BE SUBMITTED TO NYCHA'S REPRESENTATIVE AND D.O.R. FOR REVIEW PRIOR TO FILING WITH D.O.B.
- MATCH WOOD BLOCKING SIZE TO FIT COLUMN BASE PLATE.
- SEE SPECIFICATION FOR LIGHTING AND GROUNDING REQUIREMENTS.
- CATCHALL SHALL BE PROVIDED AT BOTH SHORT ENDS OF SHED WHEN BUILDING IS ABUTTING ADJOINING BUILDINGS AND WHERE REQUIRED BASED ON SITE CONDITIONS.
- AT ALL COLUMNS ADJACENT TO DRIVEWAYS, PARKING LOTS, AT STREET CORNERS, AND WHERE DIRECTED BY NYCHA'S REPRESENTATIVE, INSTALL 1.5" DIA. PIPE COLUMN BRACE BOLTED TO CONCRETE SIDEWALK (USE 5/8" ANCHOR BOLT).
- AT NO TIMES SHALL STORAGE LOAD BE ALLOWED ON THE SIDEWALK SHED.



4 SCHEMATIC PLAN OF ZONE REQUIRING SHEDDING NOT TO SCALE

ABBREVIATIONS AND LEGEND:

- e - SIDEWALK SHED EXTENSION
- h - BUILDING HEIGHT

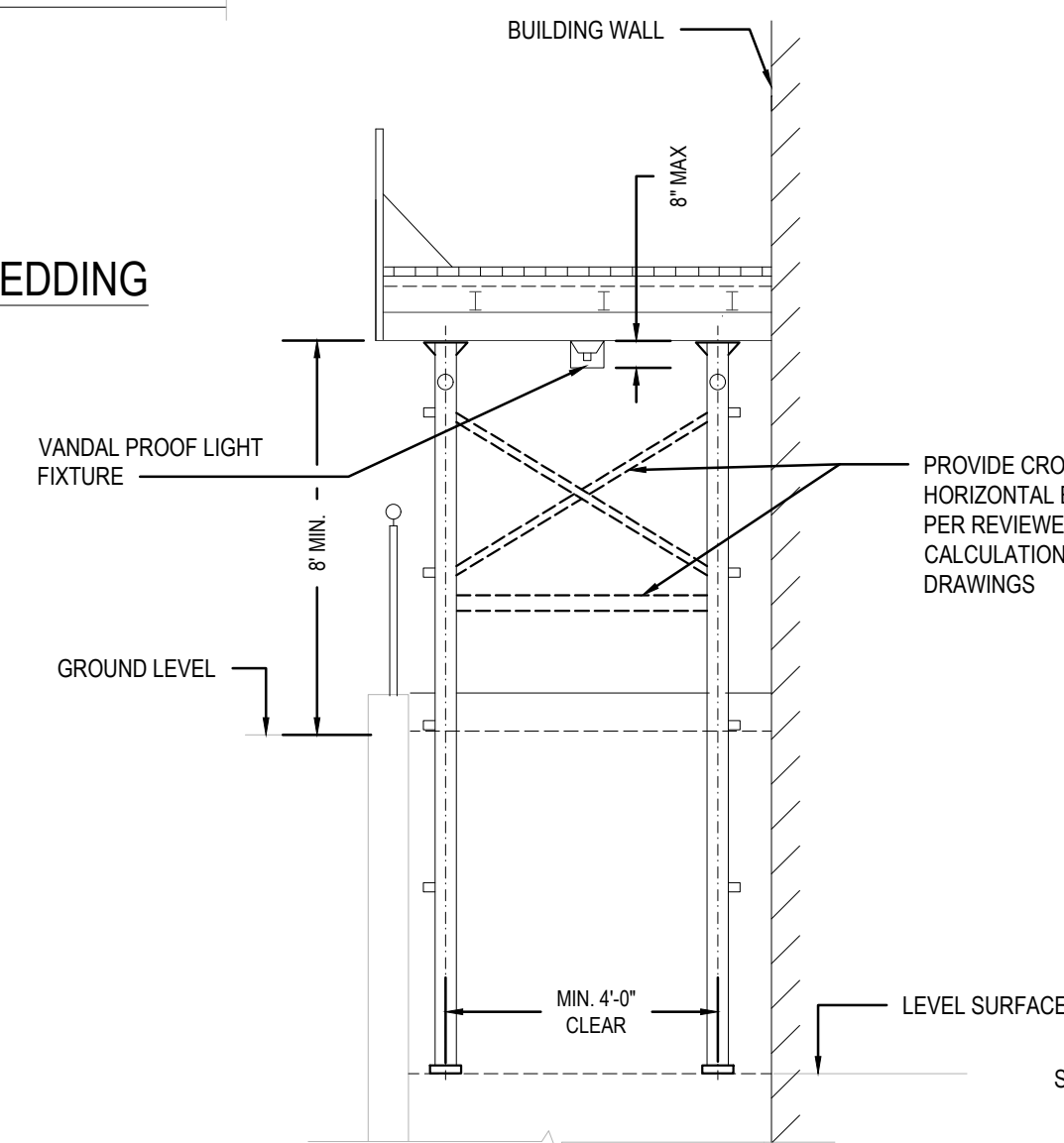
SIDEWALK SHED:

SIDEWALK / WALKWAY:

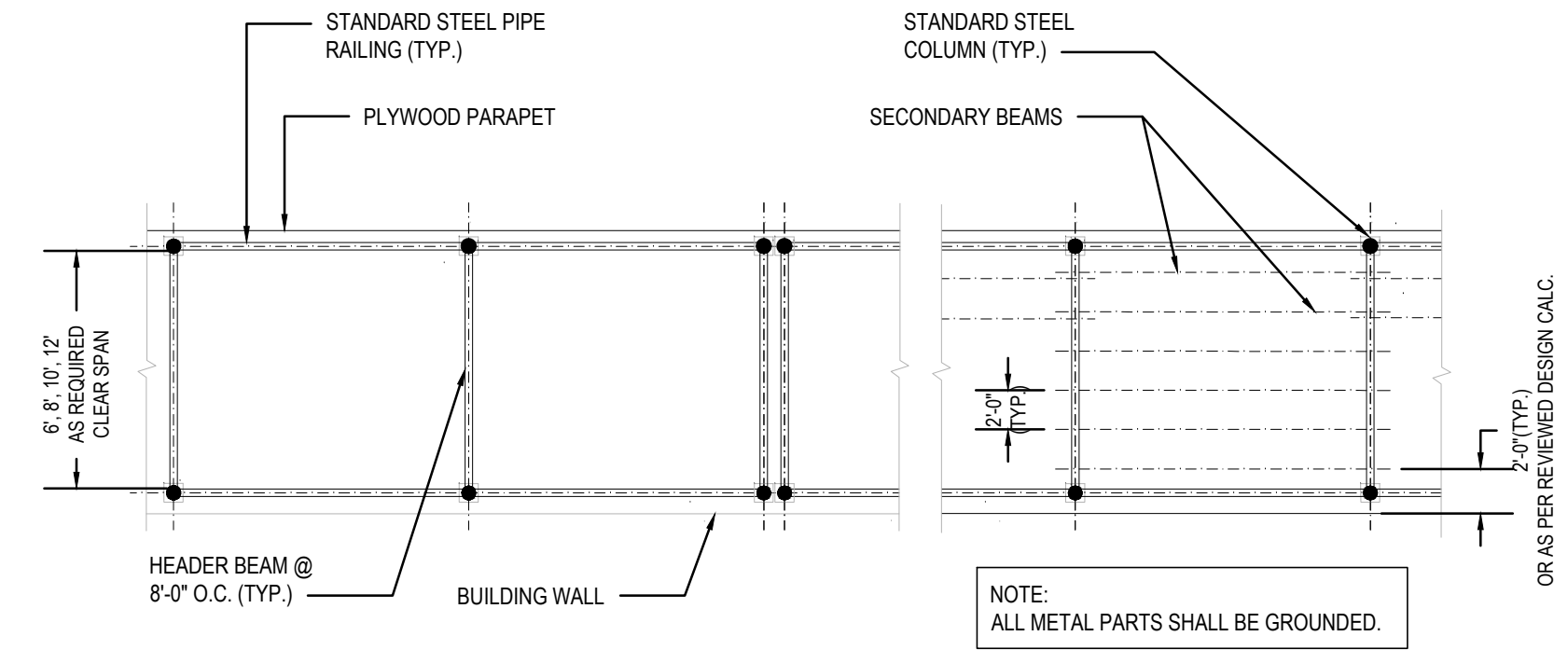
BLDG. HEIGHT, h (FT)	e (FT)	LIVE LOAD # / SF
≤100	5'	150
>100	20'	300

NOTE: WALKWAYS REQUIRING SHEDDING MAY ALSO BE CLOSED BY TEMPORARY FENCING IN COORDINATION AND APPROVAL WITH NYCHA REPRESENTATIVE.

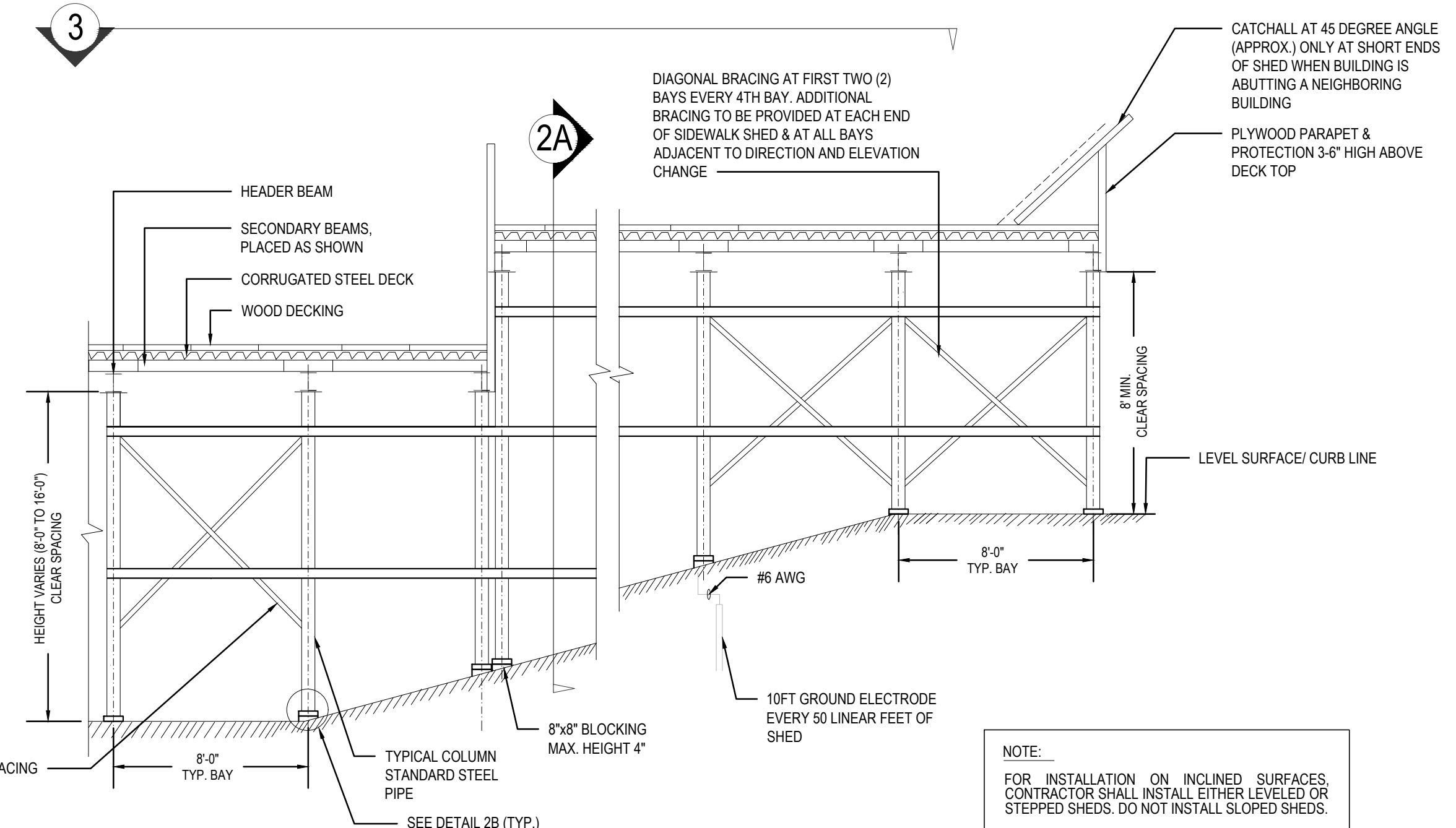
* FOR h > 40' ONLY. FOR h ≤ 40' PROTECT ALL SIDEWALKS, WALKWAYS, AND PATHWAYS WITHIN THE PROPERTY LINE AND ALL PUBLIC SIDEWALKS THAT ABUT THE PROPERTY.



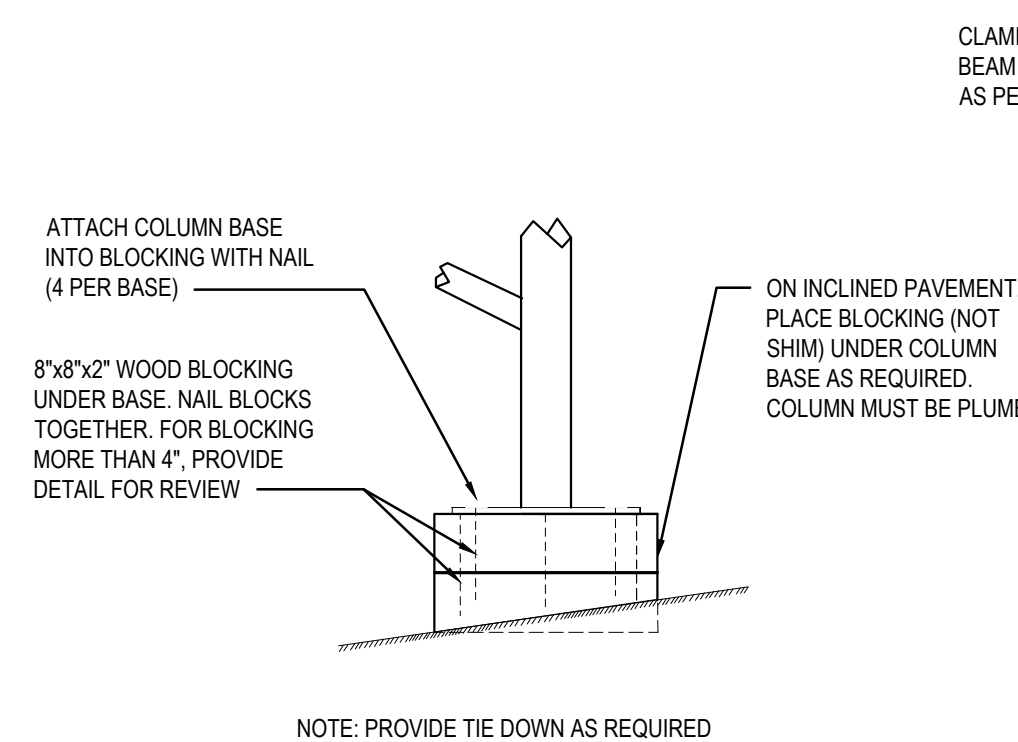
2A SIDEWALK SHED CROSS SECTION ON SLOPE/RAMP NOT TO SCALE



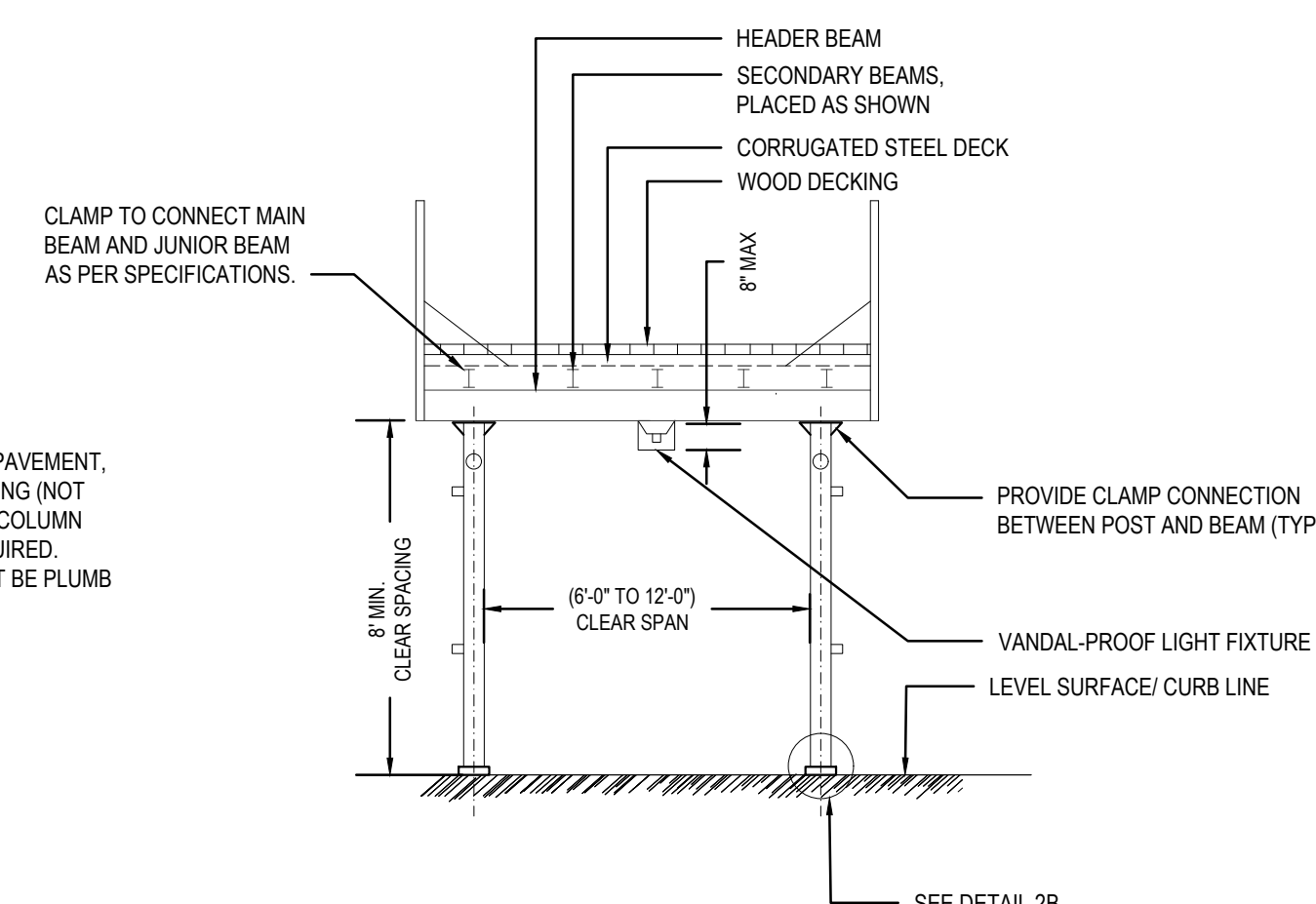
3 SIDEWALK SHED PLAN NOT TO SCALE



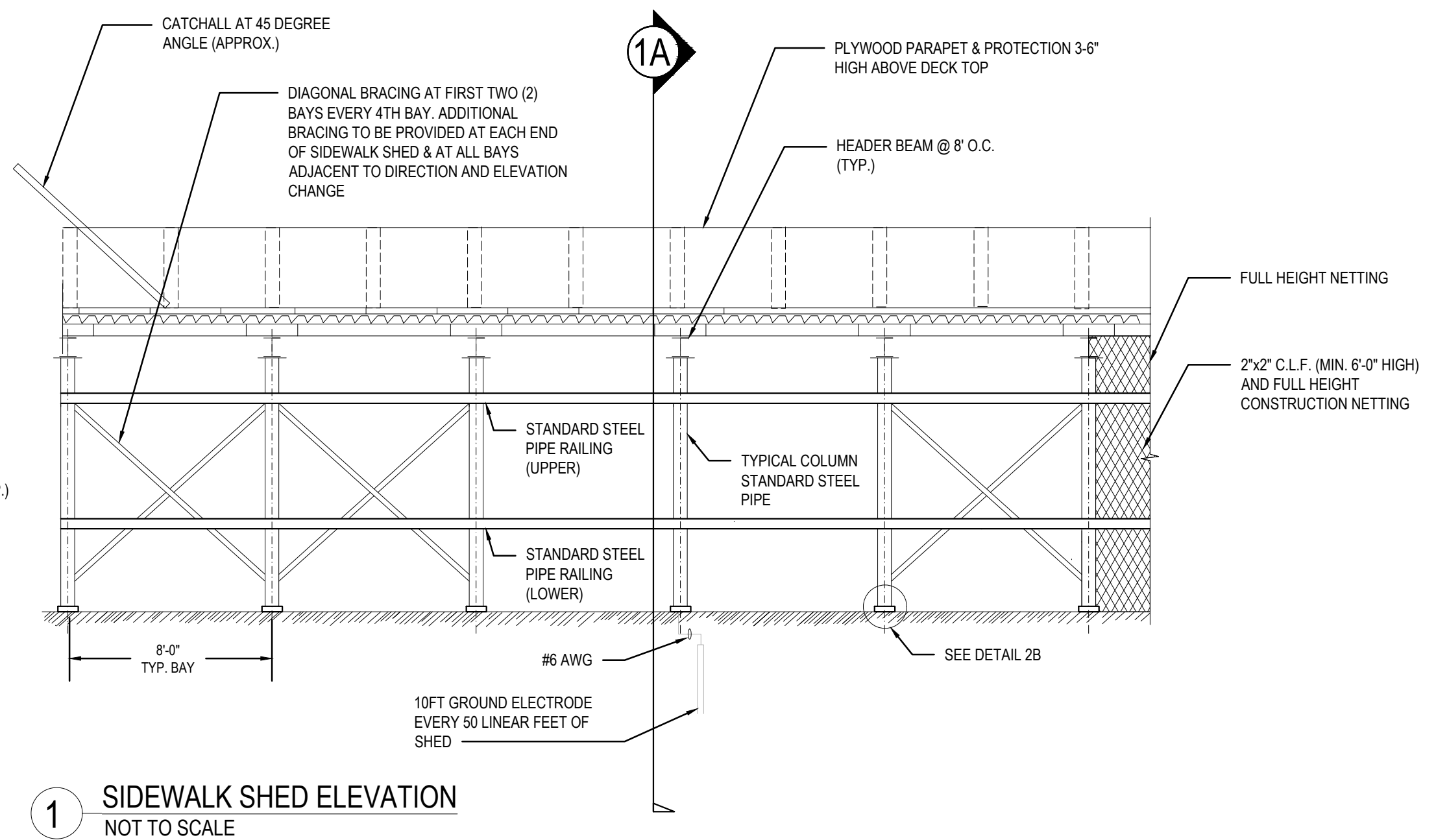
2 SIDEWALK SHED ELEVATION ON SLOPE/RAMP NOT TO SCALE



2B COLUMN BASE DETAIL NOT TO SCALE



1A SIDE WALK SHED SECTION NOT TO SCALE

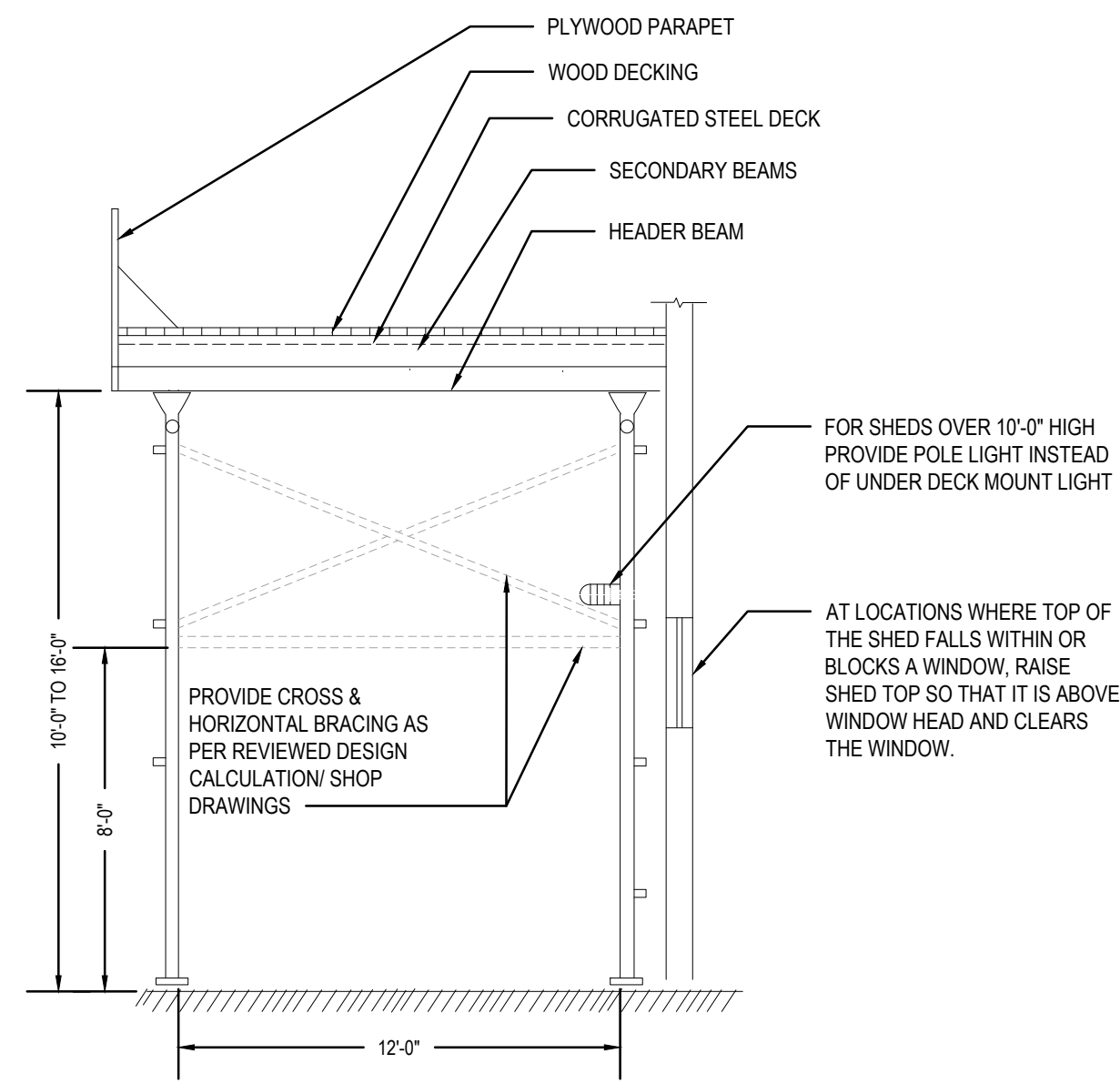


1 SIDEWALK SHED ELEVATION NOT TO SCALE

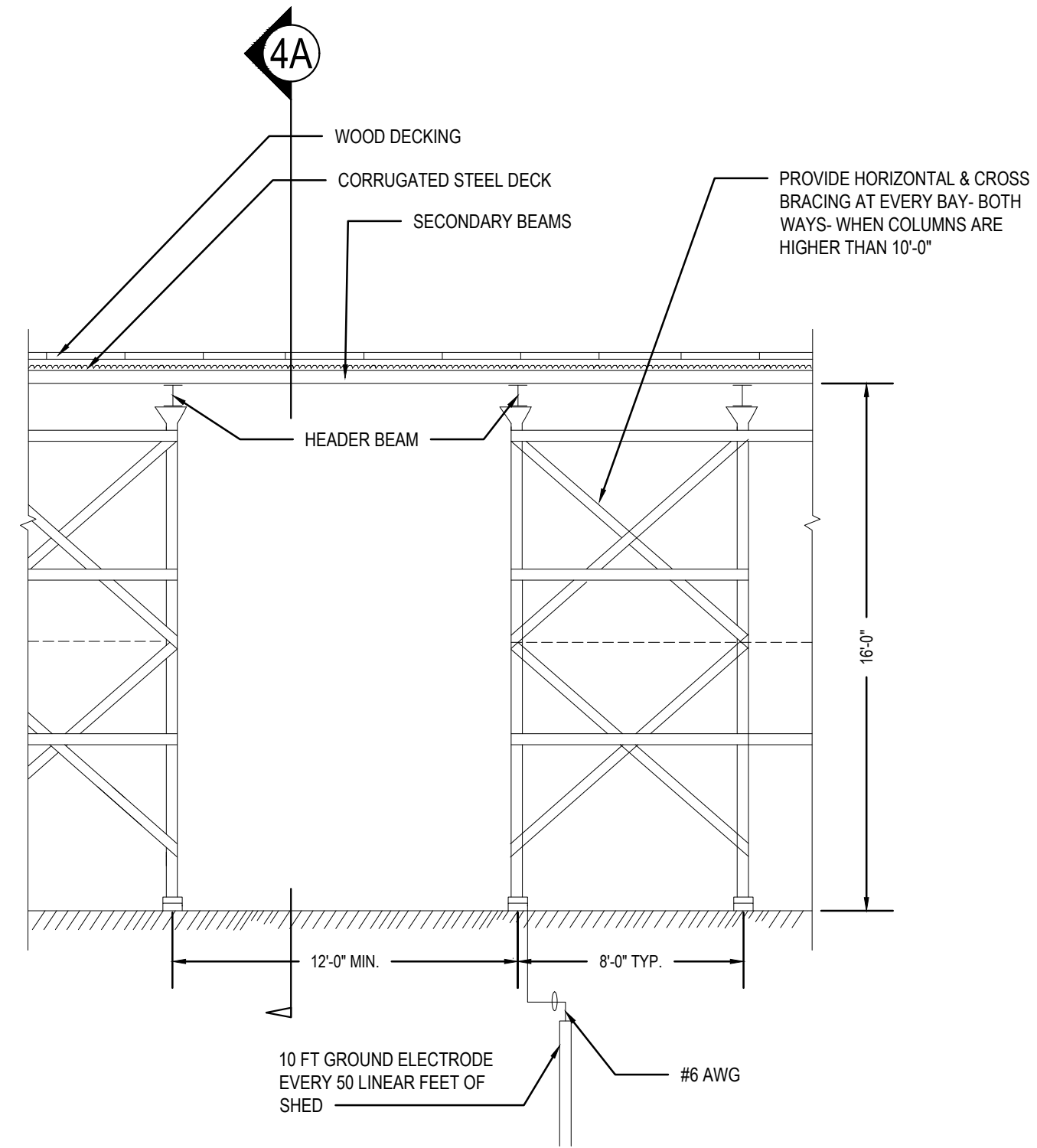
SIDEWALK SHED DETAIL 1

ANISHA CHHETRI

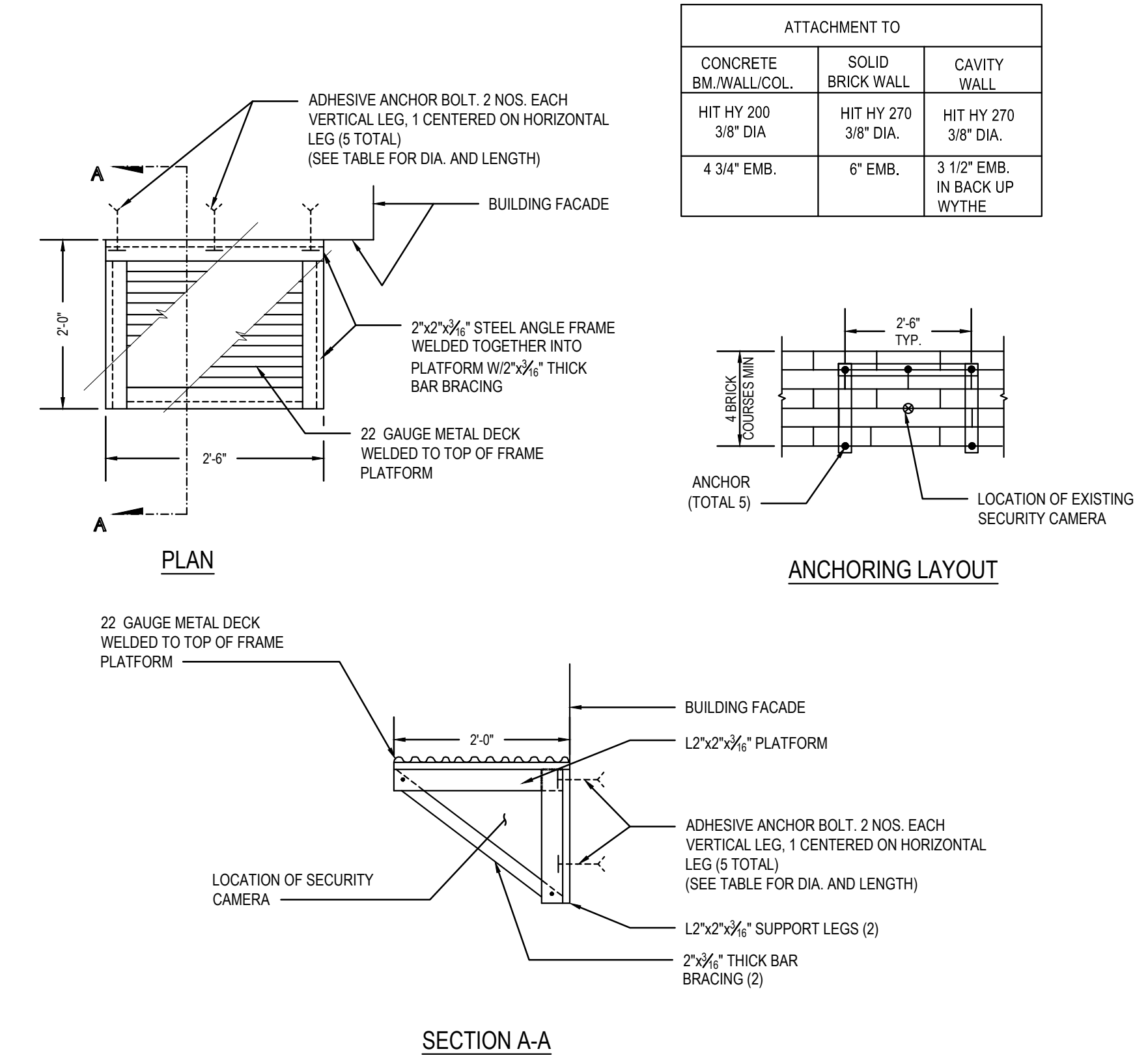
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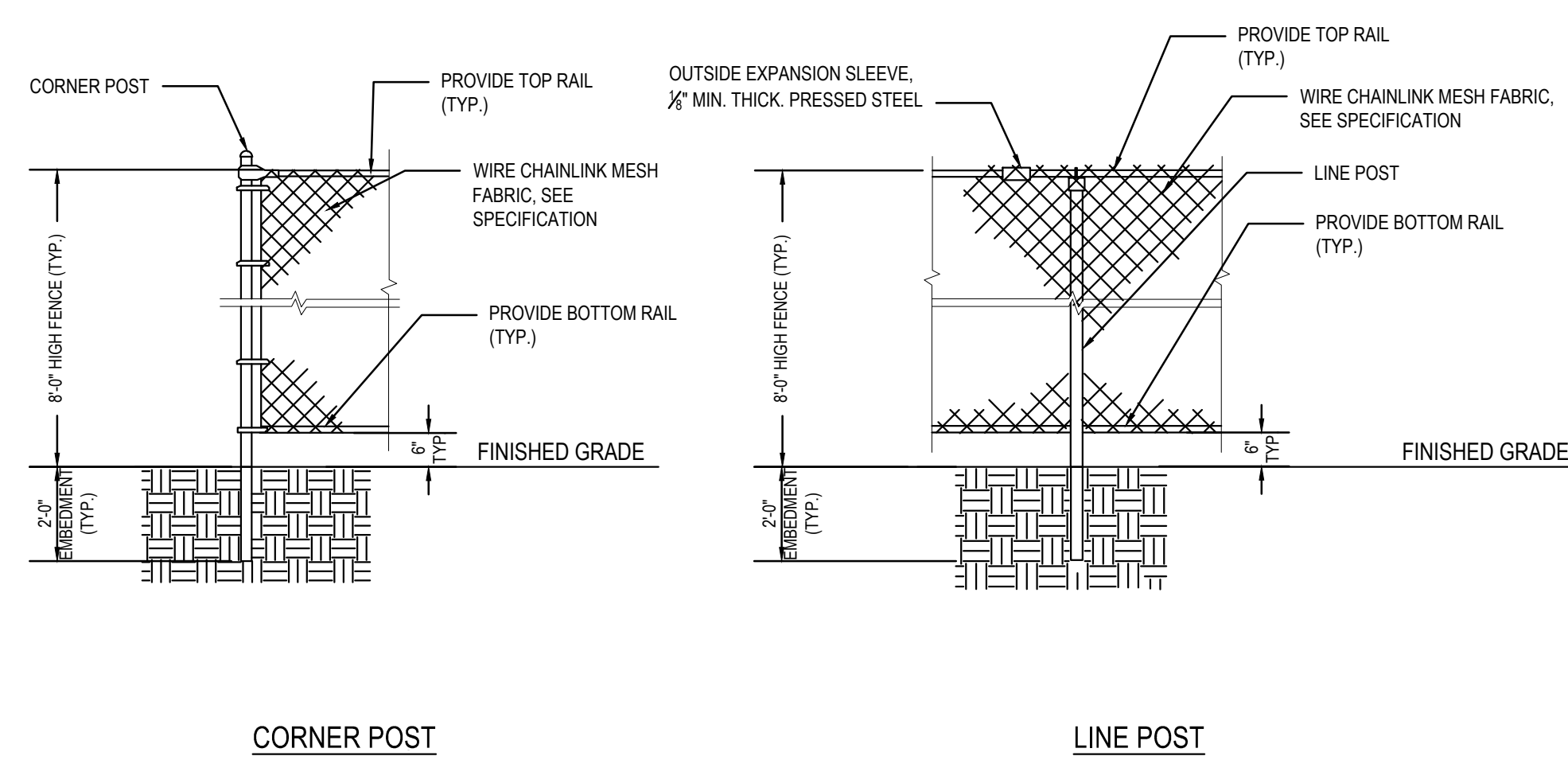
4A SECTION OF SIDEWALK SHED W/ HEIGHT GREATER THAN 8'-0"
NOT TO SCALE



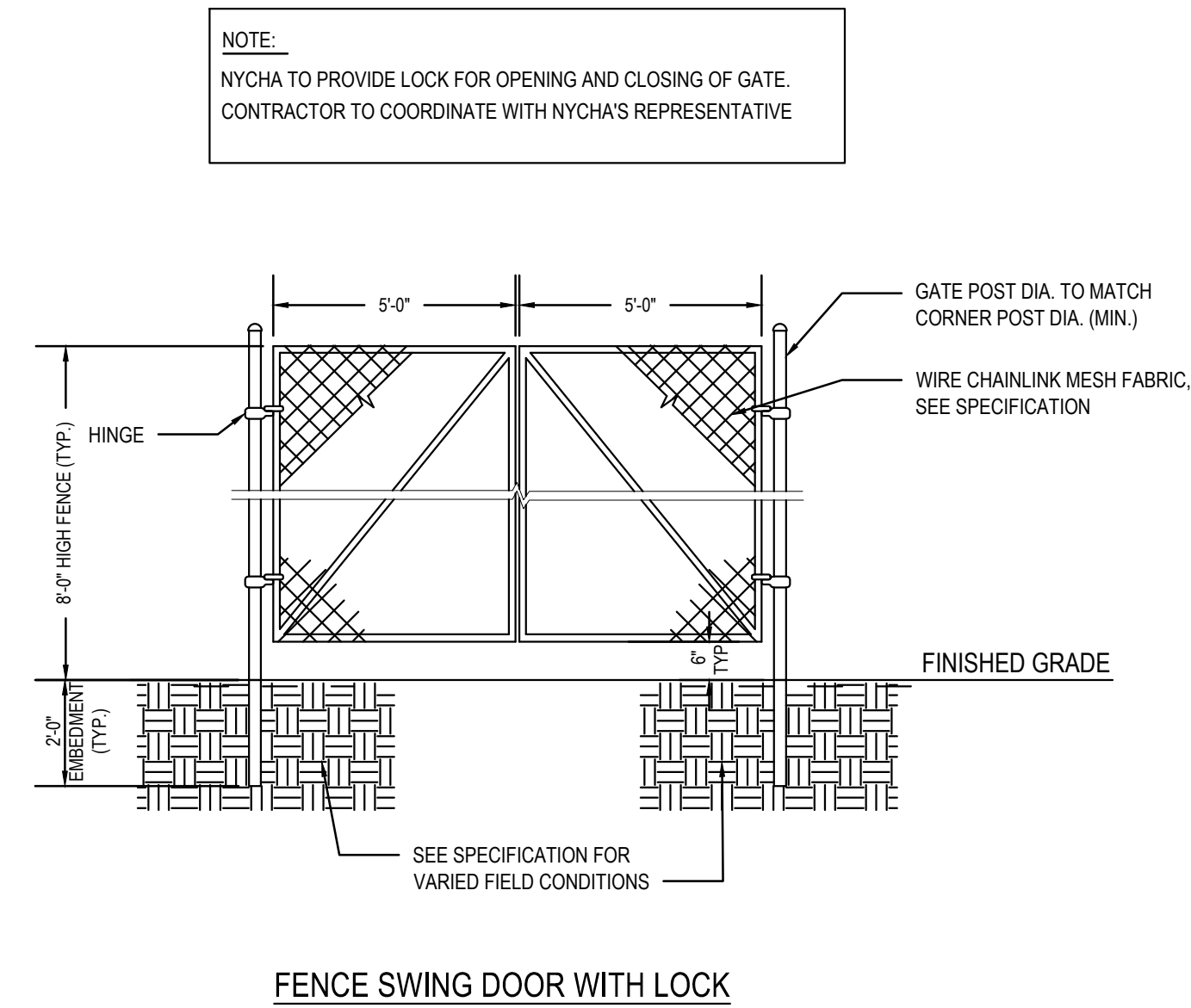
4 ELEVATION OF SIDEWALK SHED W/ BRIDGE
NOT TO SCALE



12 CCTV CAMERA PROTECTION DETAIL
NOT TO SCALE
NOTE:
ALL COMPONENTS OF CAMERA PROTECTION FRAMING SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.



5 TEMPORARY CHAIN LINK FENCE DETAILS
NOT TO SCALE



- NOTES:
1. THE CONTRACTOR SHALL HIRE A PROFESSIONAL ENGINEER LICENSED IN NYC TO DESIGN TEMPORARY FENCE AS PER NYC BC LOADING CRITERIA AND PROVIDE A LAYOUT THAT SATISFIES ALL CODE REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT THEIR PROPOSED FENCE SHOP DRAWINGS TO DESIGNER OF RECORD (D.O.R.) AND NYCHA FOR REVIEW.
 2. CONTRACTOR MAY ADJUST FENCE TO ACCOMMODATE THE CONSTRUCTION/ SITE AMENITIES, CURB, PAVEMENT, ETC. THE CONTRACTOR SHALL CONTACT THE NYCHA'S REPRESENTATIVE FOR APPROVAL PRIOR TO MAKING ADJUSTMENTS.
 3. UNLESS OTHERWISE NOTED, ALL C.L.F. MESH SHALL BE 11 GA. 2" SQUARE.
 4. THE CONTRACTORS SHALL PERFORM LAWN MAINTENANCE BY CUTTING GRASS AND CLEANING TRASH FROM FENCED AREA.
 5. WHERE REQUIRED, PROVIDE SINGLE GATE FOR 4'-0" WIDE OPENING AND DOUBLE GATE 10'-0" WIDE OPENING.
 6. PROVIDE 10 FT GROUND ELECTRODE EVERY 50 LINEAR FEET OF FENCE. WHEN A STRETCH IS LESS THAN 50 LINEAR FEET, PROVIDE AT LEAST ONE TEMPORARY GROUNDING SYSTEM.
 7. INSTALL DEBRIS NETTING ON ALL CHAINLINK FENCE AS PER NYC CODE.

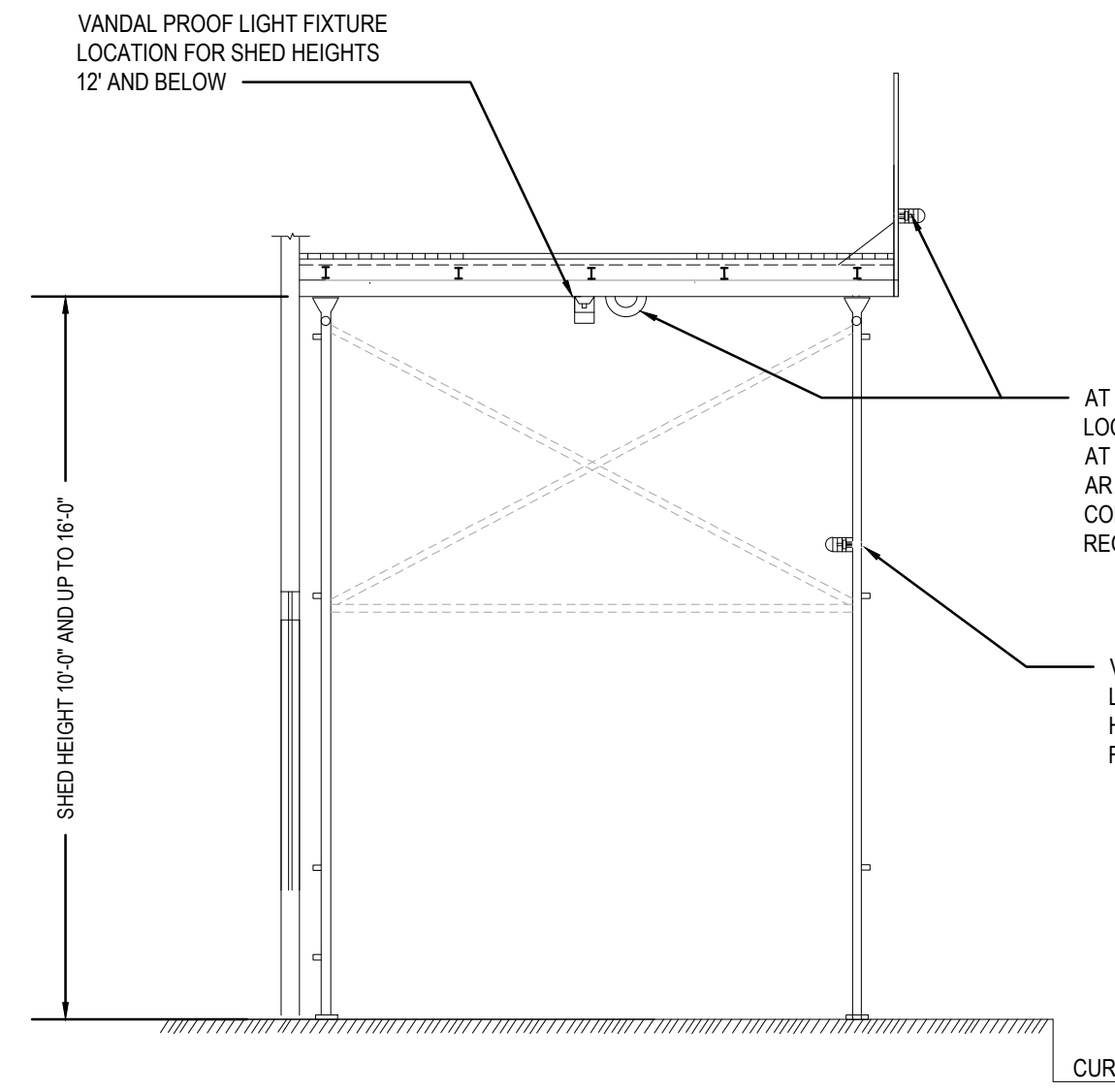
SIDEWALK SHED DETAIL 2

ANISHA CHHETRI

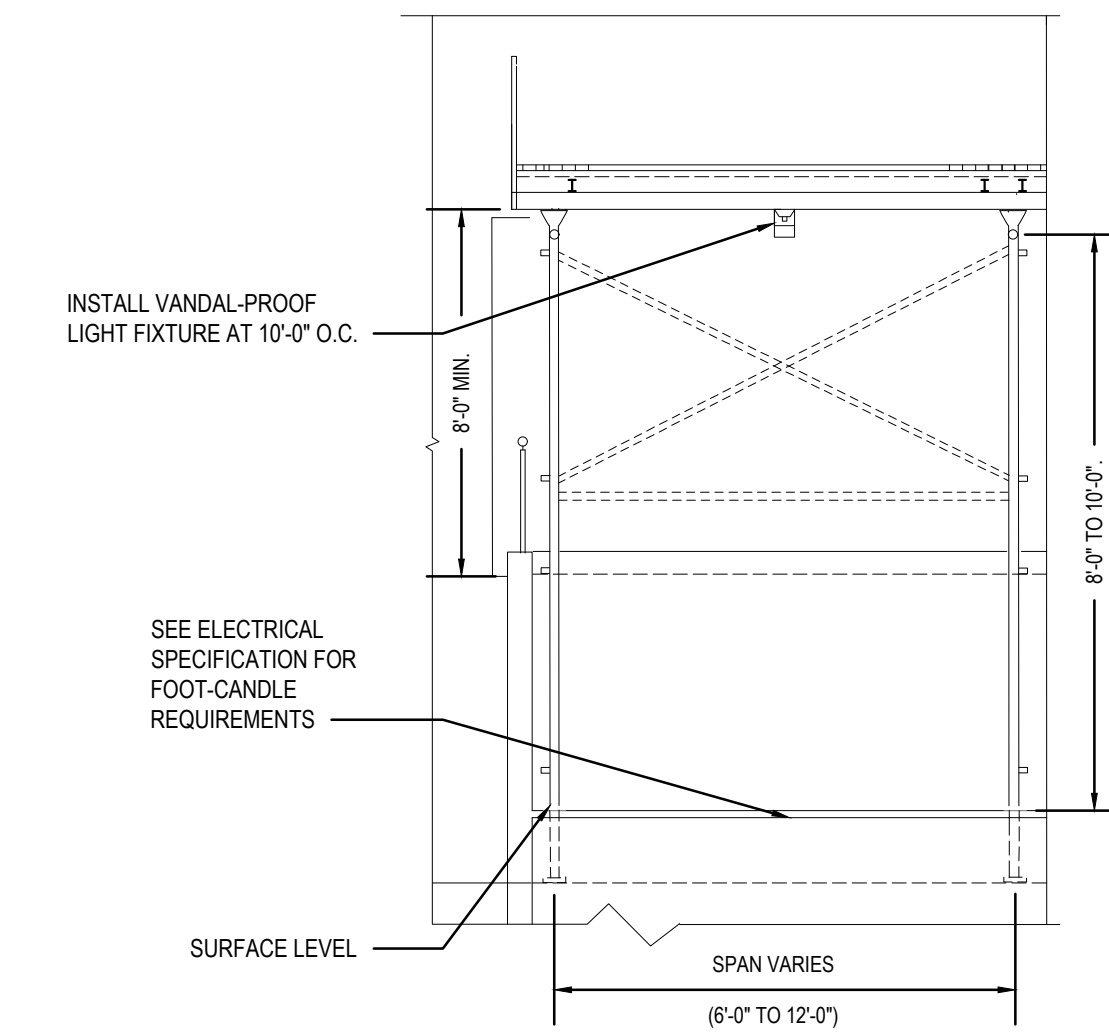
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SIDEWALK SHED ELECTRICAL NOTES:

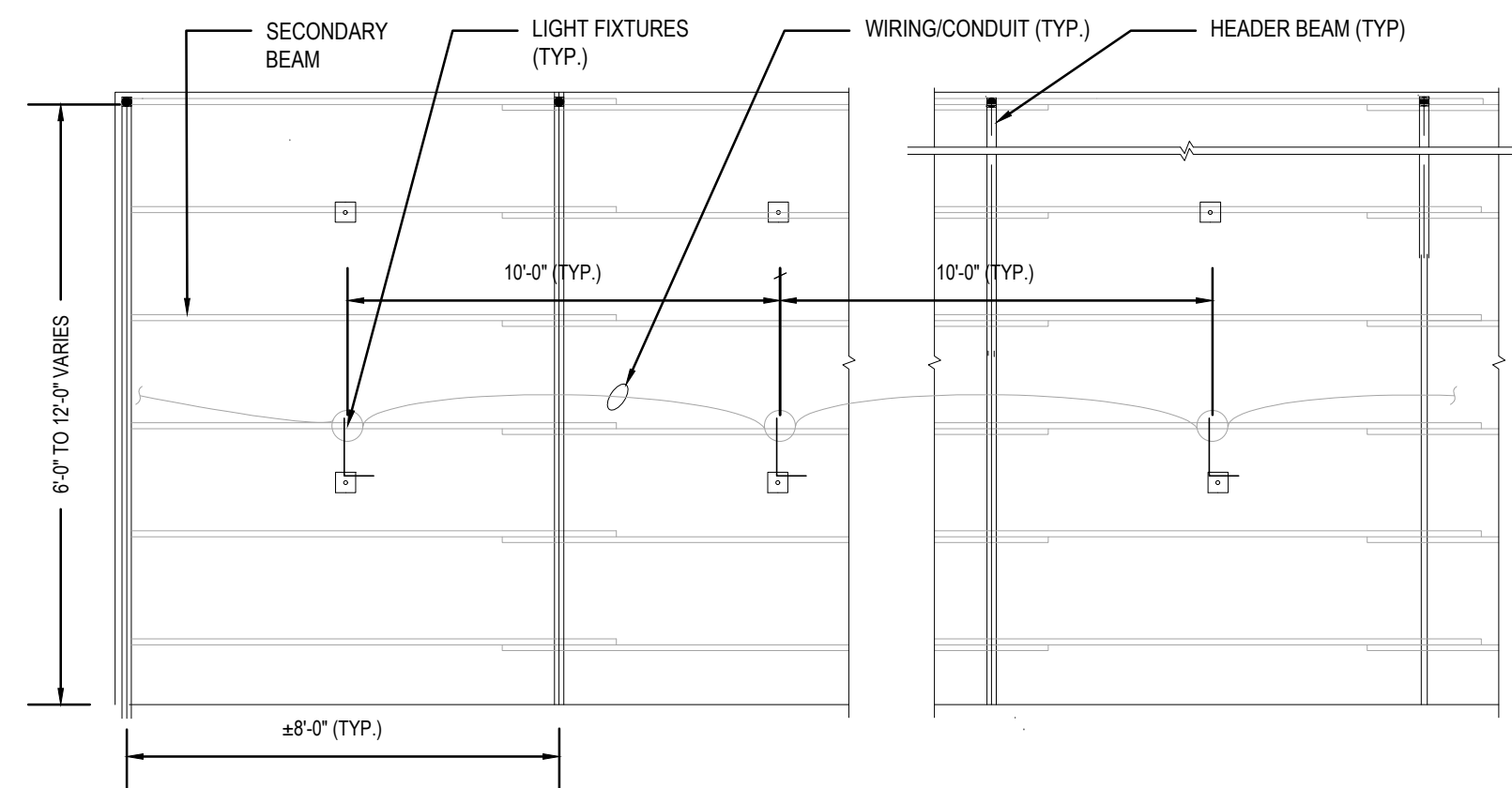
1. USE GALVANIZED STEEL OR RIGID ALUMINUM RACEWAYS. MINIMUM SIZE CONDUIT SHOULD BE 3/4" DIA.
2. ELECTRICAL METALLIC TUBING TYPE EMT IS NOT ACCEPTABLE (AS PER NEC NYC AMENDMENTS SECTION 358.12.7).
3. TYPE NM (NONMETALLIC) CABLE (ROMEX) IS NOT ACCEPTABLE (AS PER NEX ARTICLE 334.12 B.4).
4. JUNCTION BOXES MUST BE SUITABLE FOR DAMP OR WET LOCATIONS (AS PER NEC ARTICLE 314.15).
5. MINIMUM WIRE SIZE REQUIRED IS NO. 12 (AS PER NYC AMENDMENTS SECTION 210.24). ALL WIRING METHODS ON A BUILDING MUST COMPLY WITH NEC ARTICLE 225.10. WIRE SIZE TO BE ADJUSTED FOR VOLTAGE DROP AS REQUIRES.
6. ALL FIXTURES USED MUST BE SUITABLE FOR OUTDOOR LOCATIONS (AS PER NEC ARTICLE 410.10.A).
7. ALL CIRCUIT BREAKERS SHALL BE GFI TYPE.
8. FIXTURE/LUMINAIRE SUPPORT AS PER NYC ELECTRICAL CODE ARTICLE 410.30 AND 410.36.
9. THE INSTALLATION MUST BE PROPERLY GROUNDED AND BONDED (AS PER NEC ARTICLE 250, 250.18, 250.22. IF RESISTANCE TO THE EARTH IS EXCEEDING THE REQUIRED 25 OHM AFTER INSTALLING 10 FT., CONTRACTOR WILL BE REQUIRED TO GROUND ROD EVERY 50 FEET TO ACHIEVE 25 OHM REQUIREMENT).
10. POWER CAN BE FED FROM A PANEL OR A BRANCH CIRCUIT USING 20 AMP BRANCH CIRCUIT (AS PER NEC NYC AMENDMENTS SECTION 590.6 GROUND- FAULT PROTECTION SHALL BE PROVIDED).
11. THE PANEL THAT IS SUPPLYING THE POWER TO THE SIDEWALK SHED LIGHTING MUST HAVE A DIRECTORY THAT INDICATES WHICH CIRCUIT IS BEING UTILIZED TO SUPPLY THE POWER (AS PER NEC ARTICLE 408.4).
12. THE USE OF ENERGY EFFICIENT LIGHT BULBS AND FIXTURES ARE REQUIRED TO REDUCE ENERGY CONSUMPTION AND SAVE MONEY.
13. ALL SIDEWALK SHED ELECTRICAL INSTALLATIONS MUST BE INSTALLED BY A NEW YORK CITY LICENSED ELECTRICIAN AND MUST BE DONE IN ACCORDANCE WITH NEC 2014 ELECTRICAL CODE AND THE NYC AMENDMENTS TO THE 2008 NEC (LOCAL LAW 39/2011), AND/OR LATEST NYC ELECTRICAL CODE IN EFFECT AT THE TIME OF INSTALLATION.
14. SHED DESIGNS MUST MEET PERFORMANCE STANDARDS ESTABLISHED BY 3307.6.5 AND BE CONSISTENT WITH THE 2014 NYC ELECTRICAL CODE. THE APPLICANT OF RECORD MUST HAVE CALCULATIONS/ SPECIFICATIONS THAT INDICATE THE DESIGN MEET THOSE STANDARDS; THESE CALCULATIONS/ SPECIFICATIONS MUST BE MADE AVAILABLE TO NYCHA UPON REQUEST.
15. SIDEWALK SHED PLANS MUST DETAIL THE LIGHTING LAYOUT INCLUDING: TYPE OF FIXTURES, TYPE AND RATING OF LIGHT SOURCE, HORIZONTAL SPACING OF FIXTURES, VERTICAL HEIGHT OF FIXTURES ABOVE SIDEWALK LEVEL, AND TYPE OF CONDUIT.
16. ELECTRICAL PERMITS ARE REQUIRED, AND ONLY A NYC-LICENSED ELECTRICIAN MAY INSTALL THE ELECTRICAL WORK.
17. ALL TEMPORARY WALKWAYS SHALL BE ILLUMINATED AT ALL TIMES. THE LEVEL OF ILLUMINATION SHALL BE MINIMUM FOUR (4) FEET CANDLE MEASURED AT THE LEVEL OF THE WALKING SURFACE AS PER ELECTRICAL SPECIFICATION. ALL LAMPS SHALL BE ENCLOSED IN VANDAL-PROOF FIXTURES, HAVE A MINIMUM LUMINOUS EFFICIENCY OF 45 LUMENS PER WATT OR GREATER AND BE RATED TO OPERATE AT TEMPERATURES OF 5 DEGREES FAHRENHEIT AND HIGHER. (ARTIFICIAL LIGHTING UNITS SHALL BE INSPECTED [NIGHTLY] DAILY, AND BURNED OUT OR INOPERATIVE UNITS SHALL BE REPLACED OR REPAIRED IMMEDIATELY).
18. ALL POWER TO THE ELECTRICAL SHED INSTALLATIONS IS GROUND FAULT CIRCUIT INTERRUPTION (GFCI) PROTECTED AS PER NEC NYC AMENDED SECTION 590.6.
19. ALL RACEWAYS ARE TERMINATED AND SUPPORTED PROPERLY AS PER NEC ARTICLE 300.
20. ELECTRICAL INSTALLATION DOES NOT POSE A SAFETY HAZARD TO THE PUBLIC.
21. BUILDING DEPARTMENT BUREAU OF ELECTRICAL CONTROL (BEC) FILING, PERMITS AND SIGN-OFF SHALL BE OBTAINED BY A LICENSED ELECTRICIAN FOR EACH INSTALLATION.
22. PROVIDE A RED BULB ADJACENT TO ALL SIAMESE CONNECTIONS AND SPRINKLER CONNECTIONS.
23. FIELD CONDITIONS: MODIFY LAYOUT AS REQUIRED TO PROVIDE CODE COMPLIANT COVERAGE AT ALL AREAS BELOW SHED. DO NOT PERMIT BEAMS, COLUMNS, CANOPIES, SOFFITS AND WALL TO CREATE DARKENED AREAS.
24. 2 #12, 1 #12G IN 1/2" DIA. SHALL BE USED TO FEED RED LIGHT LOCATED NEAR SIAMESE CONNECTION.
25. SEE SPECIFICATION FOR NUMBER OF LIGHTING FIXTURES REQUIRED PER SIDEWALK SHED HEIGHT.



1 STANDARD SHED DETAILS
NOT TO SCALE

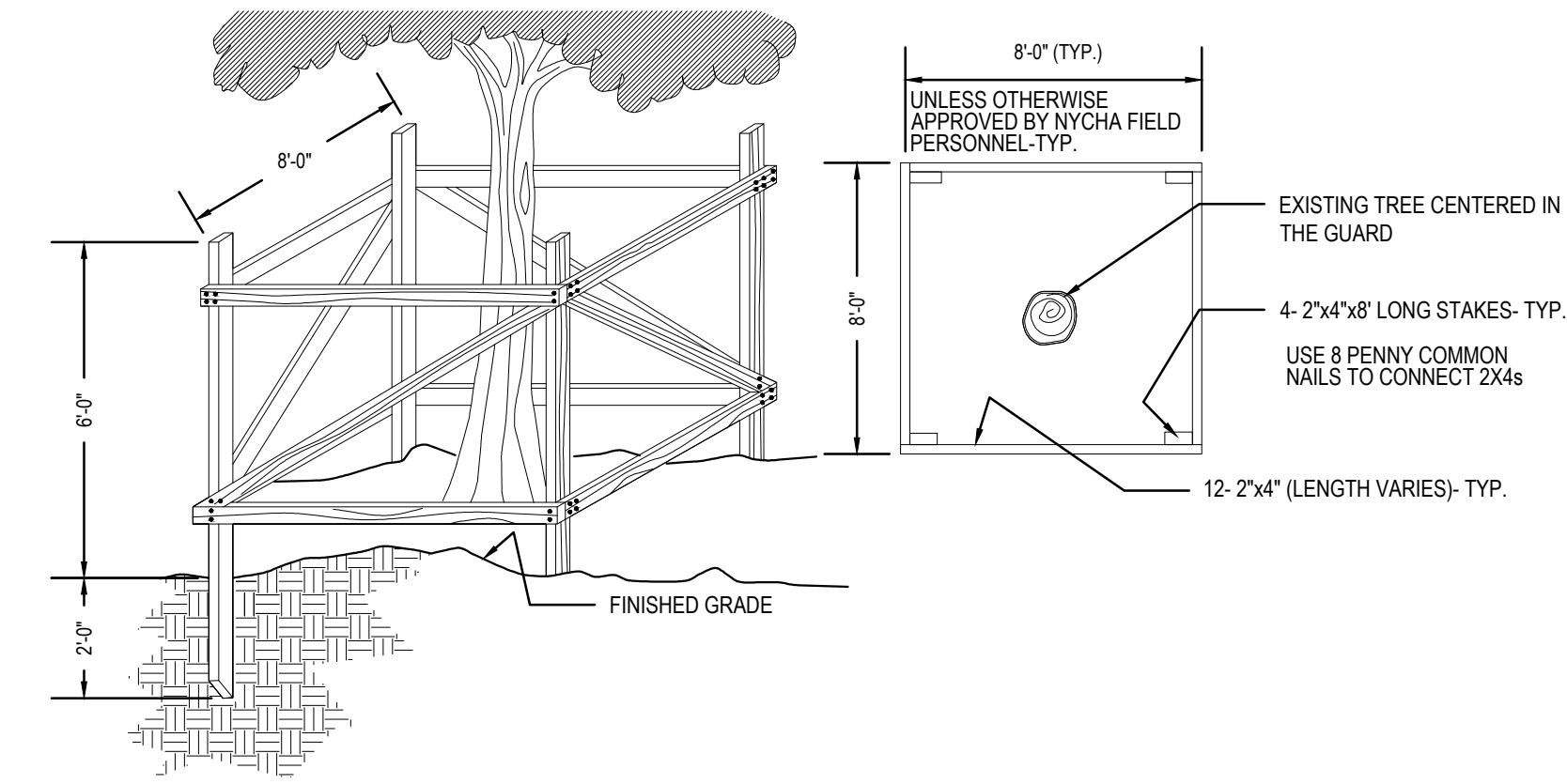


2 SIDEWALK SHED CROSS SECTION FOR SLOPING SURFACE
NOT TO SCALE



NOTE:
ALL METAL PARTS SHALL BE GROUNDED.

3 SIDEWALK SHED LIGHTING PLAN
NOT TO SCALE



4 TEMPORARY WOODEN TREE GUARD
NOT TO SCALE

NOTES:
1. PROVIDE ORANGE COLOR VINYL CONSTRUCTION NETTING AROUND THE TREE GUARD.

**SIDEWALK SHED
DETAIL 3**