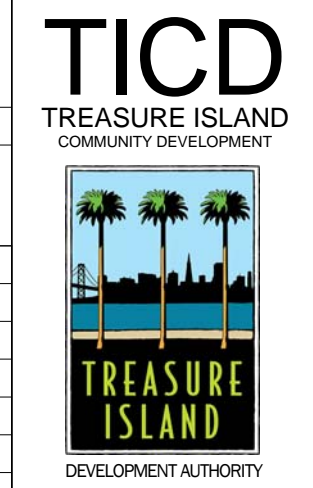




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LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
 SUB-PHASE 1B, 1C & 1E**  
 CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
 Ferry Shelter &  
 Support Structures:  
 Ferry &  
 Bus Shelters  
 PERMIT ISSUE**

PROJECT NO:	LEN1401	CHK:	
DRAWN BY:		DATE:	03/31/2016
NO:		BY:	
		DESCRIPTION:	

COVER SHEET

SHEET TITLE  
 SCALE

**A0.01**

DRAWING NO.

NOT FOR CONSTRUCTION

**PROJECT DIRECTORY**

**CLIENT**

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 1 SANSOME STREET, SUITE 3200  
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 FORT COLLINGS, CO 80525  
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 1981 N. BROADWAY, STE. 400  
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 CONTACT: DON C. MOELLER, P.E.  
 PHONE: 925.979.9993

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 SAN FRANCISCO, CA 94107  
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ALFATECH - ELECTRICAL / TECHNOLOGY ENGINEER  
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 CONTACT: SAGAR SABHARWAL  
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 2 CROW CANYON COURT, SUITE 100  
 SAN RAMON, CA 94583  
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 SAN FRANCISCO, CA 94104  
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 BERKELEY, CA 94707  
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 PASADENA, CALIFORNIA 91106  
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MOFFAT & NICHOL - SHORELINE ENGINEER  
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 WALNUT CREEK, CA 94596  
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 PHONE: 925.944.5411

SILVERMAN & LIGHT - LIGHTING CONSULTANT  
 1201 PARK AVENUE, SUITE 100  
 EMERYVILLE, CA 94608  
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 ESTIMATING CONSULTANT  
 P.O. BOX 24442  
 SAN FRANCISCO, CA 94124  
 PHONE: 415.285.9009





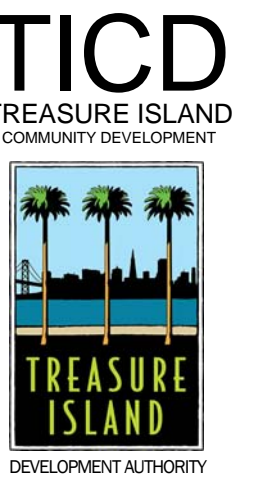
CALGREEN CHECKLIST - TI FERRY ISLAND & BUS SHELTERS  
Date: 03/31/2016

CODE SECTION	MEASURE	YES	N/A	NO	PLAN SHEET, SPEC, OR ATTACHMENT REFERENCE
<b>NON-RESIDENTIAL MANDATORY MEASURES</b>					
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LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE**

PROJECT NO:	LEN1401	CHK:	
DRAWN BY:	Author	DATE:	03/31/2016
NO:		REVISIONS	
		DESCRIPTION	
		BY:	
		DATE:	

CALGREEN CHECKLIST

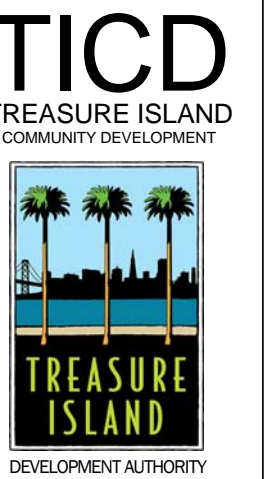
SHEET TITLE  
SCALE

**A0.30**

DRAWING NO.



# 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1



DILWORTH ELIOT STUDIO  
1066 HOWARD ST  
SAN FRANCISCO, CA 94103

LICENSE STAMP

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

PARKS  
Ferry Shelter &  
Support Structures:  
Public Restroom  
50% CD

PROJECT NO.:	16N401	CHK:	
DRAWN BY:	Author	DATE:	03/31/2016
NO.		BY:	Author
		DATE:	
		REVISIONS	
		DESCRIPTION	

CALGREEN CHECKLIST (CONTINUED)

SHEET TITLE  
SCALE

A0.31

DRAWING NO.

NOT FOR CONSTRUCTION

INSPECTOR SIGNOFF

## CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL

**301.1 SCOPE.** Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

**301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC]** The provisions of individual sections of Chapter 3 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a net valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed building [N] or to additions and alterations [AA]. When the code section applies to both, no banner will be used.

## SECTION 302 MIXED OCCUPANCY BUILDINGS

**302.1 MIXED OCCUPANCY BUILDINGS.** In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

## ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHDP	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

## CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES

### DIVISION 5.1 PLANNING AND DESIGN

#### SECTION 5.101 GENERAL

**5.101.1 Scope.** The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

#### SECTION 5.102 DEFINITIONS

**5.102.1 DEFINITION.** The following terms are defined in Chapter 2 (and are included here for reference)

**CUTOFF LUMINAIRES.** Luminares whose light distribution is such that the candlepa per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

#### LOW-EMITTING AND FUEL EFFICIENT VEHICLES.

Eligible vehicles are limited to the following:  
1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT-ZEV) or CNG fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962.  
2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.

**NEIGHBORHOOD ELECTRIC VEHICLE (NEV).** A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 45CFR571.550 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

**TENANT-OCCUPANTS.** Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, distinguished from customers and other transient visitors.

**VANPOOL VEHICLE.** Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

**ZEV.** Any vehicle certified to zero-emission standards.

#### SECTION 5.106 SITE DEVELOPMENT

**5.106.1 STORM WATER POLLUTION PREVENTION.** Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

**5.106.1.1 Local ordinance.** Comply with a lawfully enacted storm water management and/or erosion control ordinance.

**5.106.1.2 Best Management Practices (BMP).** Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP.

- Scheduling construction activity.
  - Preservation of natural features, vegetation and soil.
  - Drainage swales or lined ditches to control stormwater flow.
  - Mulching or hydros seeding to stabilize disturbed soils.
  - Erosion control to protect slopes.
  - Protection of storm drain inlets (gravel bags or catch basin inserts).
  - Perimeter sediment control (perimeter silt fence, fiber rolls).
  - Sediment trap or sediment basin to retain sediment on site.
  - Stabilized construction exits.
  - Wind erosion control.
  - Other soil loss BMP acceptable to the enforcing agency.
- Good housekeeping BMP to manage construction equipment, materials and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
    - Material handling and waste management.
    - Building materials stockpile management.
    - Management of washout areas (concrete, paints, stucco, etc.).
    - Control of vehicle/equipment fueling to contractor's staging area.
    - Vehicle and equipment cleaning performed off site.
    - Spill prevention and control.
    - Other housekeeping BMP acceptable to the enforcing agency.

**5.106.4 BICYCLE PARKING.** For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2.

**5.106.4.1 Bicycle parking. [BSC]** Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

**5.106.4.1.1 Short-term bicycle parking. [BSC]** If the project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.  
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

**5.106.4.1.2 Long-term bicycle parking.** For new buildings with over 10 tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and shall meet one of the following:  
1. Covered, lockable enclosures with permanently anchored racks for bicycles;  
2. Lockable bicycle rooms with permanently anchored racks, or  
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

INSPECTOR SIGNOFF

**5.106.4.2 Bicycle parking. [DSA-SS]** For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

**5.106.4.2.1 Short-term bicycle parking.** Provide permanently anchored bicycle racks within 200 feet of the student entrance, readily visible to passers-by, for 5 percent of the student population based on the total occupant load of the campus, with a minimum of one two-bike capacity rack.

**5.106.4.2.2 Long-term bicycle parking.** Provide secure bicycle parking for 5% of employees, based on the total number of motorized vehicle parking capacity in the staff parking lot, with a minimum of one space. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

- Covered, lockable enclosures with permanently anchored racks for bicycles;
- Lockable bicycle rooms with permanently anchored racks; or
- Lockable, permanently anchored bicycle lockers.

**5.106.4.2 DESIGNATED PARKING.** In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
25-50	3
51-75	6
76-100	8
101-150	11
151-200	16
201 AND OVER	AT LEAST 8% OF TOTAL

**5.106.5.2.1 - Parking stall marking.** Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle:  
CLEAN AIR / VAN POOL / EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

**5.106.8 LIGHT POLLUTION REDUCTION. [N]** Outdoor lighting systems shall be designed and installed to comply with the following:

- The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and
- Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and
- Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

#### Exceptions: [N]

- Luminaires that qualify as exceptions in Section 147 of the California Energy Code.
- Emergency lighting.

Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

**5.106.10 GRADING AND PAVING.** Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

- Swales.
- Water collection and disposal systems.
- French drains.
- Water retention gardens.
- Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

## DIVISION 5.2 ENERGY EFFICIENCY

### SECTION 5.201 GENERAL

**5.201.1 Scope.** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

## DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

### SECTION 5.301 GENERAL

**5.301.1 Scope.** The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

#### SECTION 5.302 DEFINITIONS

**5.302.1 Definitions.** The following terms are defined in Chapter 2 (and are included here for reference)

**GRAYWATER.** Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

**MODEL WATER EFFICIENT LANDSCAPE ORDNANCE (MWELO).** The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, municipal and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

**MODEL WATER EFFICIENT LANDSCAPE ORDNANCE (MWELO). [HCD]** The California model ordinance California Code of Regulations, Title 23, Division 2, Chapter 2.7, regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

**POTABLE WATER.** Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

**POTABLE WATER. [HCD]** Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

**RECYCLED WATER.** Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

**SUBMETER.** A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.

**WATER BUDGET.** Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

#### SECTION 5.303 INDOOR WATER USE

**5.303.1 METERS.** Separate submeters or metering devices shall be installed for the uses described in Sections 5.303.1.1 and 5.303.1.2.

**5.303.1.1 Buildings in excess of 50,000 square feet.** Separate submeters shall be installed as follows:  
1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.  
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:  
a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).  
b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).  
c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

**5.303.1.2 Excess consumption.** A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

**5.303.2 WATER REDUCTION.** Plumbing fixtures shall meet the maximum flow rate values shown in Table 5.303.2.3

Exception: Building that demonstrate 20% overall water use reduction. In this case, a calculation demonstrating a 20% reduction in the building "water use baseline," as established in Table 5.303.2.2, shall be provided.

**5.303.2.1 Areas of addition or alteration.** For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.2 and Section 5.303.3 shall apply to new fixtures in additions or areas of alteration to the building.

INSPECTOR SIGNOFF

**5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

**5.303.3.1 Water Closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

**5.303.3.2 Urinals.** The effective flush volume of urinals shall not exceed 0.5 gallons per flush.

**5.303.3.3 Showerheads.**  
**5.303.3.3.1 Single showerhead.** Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

**5.303.3.3.2 Multiple showerheads serving one shower.** When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.  
Note: A hand-held shower shall be considered a showerhead.

**5.303.4 WASTEWATER REDUCTION. [N]** Each building shall reduce by 20 percent wastewater by one of the following methods:

- [BSC, DSA-SS] The installation of water-conserving fixtures (water closets, urinals) meeting the criteria established in sections 5.303.2 or 5.303.3
- [BSC] Utilizing non-potable water systems (captured rainwater, graywater, and municipally treated wastewater (recycled water) complying with the current edition of the California Plumbing Code or other methods described in Section AS-304.8.

**5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1401.1-3 of the California Plumbing Code and in Chapter 6 of this code.

#### TABLE 5.303.2.2 - WATER USE BASELINE

FIXTURE TYPE	FLOW RATE <sub>1</sub>	DURATION	DAILY USES	OCCUPANTS <sub>2</sub>
SHOWER HEADS	2.0 GPM @ 80 PSI	5 MIN.	1	X <sub>2a</sub>
LAVATORY FAUCETS (NON-RESIDENTIAL)	0.5 GPM @ 60 PSI	25 MIN.	3	X
KITCHEN FAUCETS	2.2 GPM @ 60 PSI	4 MIN.	1	X <sub>2b</sub>
REPLACEMENT AERATORS	2.2 GPM @ 60 PSI			X
WASH FOUNTAINS	2.2 [RIM SPACE (IN 1/20 GPM@60 PSI)]			X
METERING FAUCETS	0.25 GAL/CYCLE	0.25 MIN.	3	X
METERING FAUCETS FOR WASH FOUNTAINS	25 [RIM SPACE (IN 1/20 GPM@60 PSI)]	0.25 MIN.		X
GRAVITY TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
FLUSHOMETER TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
FLUSHOMETER VALVE WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
ELECTROMECHANICAL HYDRAULIC WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
URINALS	0.5 GAL/FLUSH	1 FLUSH	2 MALE	X

FIXTURE "WATER USE" = FLOW RATE X DURATION X OCCUPANTS X DAILY USES

- THE DAILY USE NUMBER SHALL BE INCREASED TO THREE IF URINALS ARE NOT INSTALLED IN THE ROOM.
- REFER TO TABLE A, CHAPTER 4, CALIF. PLUMBING CODE, FOR OCCUPANT LOAD FACTORS.  
a. SHOWER USE BY OCCUPANTS DEPENDS ON THE TYPE OF USE OF A BUILDING OR PORTION OF A BUILDING, E.G., TOTAL OCCUPANT LOAD FOR A HEALTH CLUB, BUT ONLY A FRACTION OF THE OCCUPANTS IN AN OFFICE BUILDING AS DETERMINED BY THE ANTICIPATED NUMBER OF USERS.  
b. NONRESIDENTIAL KITCHEN FAUCET USE IS DETERMINED BY THE OCCUPANT LOAD OF THE AREA SERVED BY THE FIXTURE.
- USE WORKSHEET WS-1 TO CALCULATE BASELINE WATER USE.

#### TABLE 5.303.2.3 - FIXTURE FLOW RATES

FIXTURE TYPE	MAX. FLOW RATE @ 20% REDUCTION
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
WASH FOUNTAINS	1.8 [RIM SPACE (IN 1/20 GPM @ 60 PSI)]
METERING FAUCETS	0.20 GALLONS/CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	.20 [RIM SPACE (IN 1/20 GPM @ 60 PSI)]

## SECTION 5.304 OUTDOOR WATER USE

**5.304.1 WATER BUDGET.** A water budget shall be developed for landscape irrigation use that installed in conjunction with a new building or an addition or alteration conforms to the local water efficient landscape ordinance or to the California Department of Water Resources Water Efficient Landscape Ordinance where no local ordinance is applicable.

Note: Prescriptive measures to assist in compliance with the water budget are listed in Sections 492.5 through 492.8, 492.10 and 492.11 of the ordinance, which may be found at: <http://www.water.ca.gov/watersuseefficiency/docs/WaterOrdSec492.cfm>

**5.304.2 OUTDOOR POTABLE WATER USE.** For new water service or for addition or alteration requiring upgraded water service for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet (the level at which Water Code §555 applies), separate submeters or metering devices shall be installed for outdoor potable water use.

**5.304.3 IRRIGATION DESIGN.** In new nonresidential construction with at least 1,000 but not more than 2,500 square feet of cumulative landscaped area (the level at which the MWELO applies), install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.

**5.304.3.1 Irrigation controllers.** Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:

- Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change.
- Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input.

Note: More information regarding irrigation controller function and specifications is available from the Irrigation Association.

INSPECTOR SIGNOFF

## DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

**5.401.1 SCOPE.** The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

### SECTION 5.402 DEFINITIONS

**5.402.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference)

**ADJUST.** To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

**BALANCE.** To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

**BUILDING COMMISSIONING.** A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

**TEST.** A procedure to determine quantitative performance of a system or equipment.

### SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

**5.407.1 WEATHER PROTECTION.** Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 (Weather Protection) and California Energy Code Section 150, (Mandatory Features and Devices), manufacturer's installation instructions or local ordinance, whichever is more stringent.

**5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods:

**5.407.2.1 Sprinklers.** Design and maintain landscape irrigation systems to prevent spray on structures.

**5.407.2.2 Entries and openings.** Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

- 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be provided to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:
  - An installed awning at least 4 feet in depth.
  - The door is protected by a roof overhang at least 4 feet in depth.
  - The door is recessed at least 4 feet.
  - Other methods which provide equivalent protection.

**5.407.2.2.2 Flashing.** Install flashings integrated with a drainage plane.

### SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

**5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 50% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3, or meet a local construction and demolition waste management ordinance, whichever is more stringent.

**5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:  
1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.  
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).  
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.  
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

**5.408.1.2 Waste Management Company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note:

Table with columns: PROJECT NO., DRAWN BY, DATE, CHECK, REVISIONS, DESCRIPTION.



2013 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 2

INSPECTOR SIGNOFF 5.410.2.1 Owners or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins.

SECTION 5.504 POLLUTANT CONTROL 5.504.1.3 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation.

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS. Table with columns: COATING CATEGORY, CURRENT VOC LIMIT. Includes sub-tables for Adhesive VOC Limit and Sealant VOC Limit.

INSPECTOR SIGNOFF 5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following: 1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program.





DEPARTMENT OF BUILDING INSPECTION AB 005  
 City & County of San Francisco  
 1660 Mission Street, San Francisco, California 94103-2414

**REQUEST FOR APPROVAL OF LOCAL EQUIVALENCY FOR MODIFICATION OR ALTERNATE MATERIALS, DESIGN OR METHODS OF CONSTRUCTION**

DATE SUBMITTED July 8, 2015

If no permit application has been filed, a Preapplication Review Fee is required for review of a request for local equivalency or modification, per SFBC Table 1-B, Item 8. An additional fee may be required by Fire Department and other City review agencies.

If a permit application has been filed, no additional fees are required for this review.

Permit Application # \_\_\_\_\_

Property Address: Treasure Island Ferry Shelter, Treasure Island, San Francisco

Block and Lot: TI Lot #T1.18 Occupancy Group: A-3 Type of Construction: II-B No. of Stories: 1

Under the authority of the 2013 San Francisco Building Code, Section 108.7 the undersigned requests modifications of the provisions of these codes and/or approval of alternate materials, designs or methods of construction. Two copies of supporting documents, including plans showing the proposed modifications or alternate materials, design or methods of construction, are attached.

Regular Code Requirement (specify Code and Sections)

The 2013 San Francisco Building Code requires that Group A-3 occupancies having more than 300 people be provided with an automatic fire sprinkler system (section 903.2.1.3) and an audible evacuation system activated by the automatic sprinkler system (section 907.2.1).

Proposed Modification or Alternate

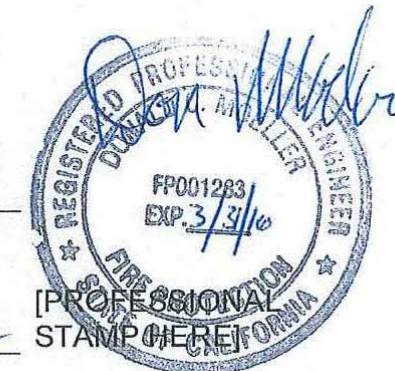
The design proposes to treat the ferry shelter similarly to a fixed guideway transit system "open station" as defined in sections 433.1.2 of the CBC. This requires that the station be open to the atmosphere and allow any potential smoke to disperse directly to the exterior atmosphere. This approach would require:

1. Type II-B construction with the building area limited as for Type II-A (15,500 sf per Table 503);

1

trainway access) than in a typical train platform. Our opinion is that this ferry shelter application is well suited for the fixed guideway transit system requirements, and provides a level of safety meeting or exceeding that intended by the CBC

Requested by: PROJECT ARCHITECT/ENGINEER  
 SPONSOR  
 Print name: Donald C. Moeller, P.E.  
 The Fire Consultants, Inc.  
 Signature: *Don Moeller* [PROFESSIONAL STAMP HERE]  
 Telephone: (925) 979-9993



3

PLAN REVIEWER COMMENTS:

RECOMMENDATION S: Approve Approve with conditions Disapprove

[signed off/dated by:]

Plan Reviewer: \_\_\_\_\_

Division Manager: \_\_\_\_\_

PREAPP SUPERVISOR: \_\_\_\_\_

For Director of Bldg. Inspection: \_\_\_\_\_

For Fire Marshal: *Capt. Mike Jones 7/23/2015*

CONDITIONALS OF APPROVAL:

2

2. limit enclosed spaces in the station to ticket booths and restrooms less than 150 square feet and unoccupied electrical and mechanical spaces (per the definition of open stations in section 433.1.2);
3. not require sprinklers in the area (per exception 5 to section 903.2.17.1); and
4. not require any fire alarm system (per the exception to section 907.2.26).
5. Any permanent benches or interior furnishings will be either built of non-combustible materials, or woods such as IPE, heart redwood, or other suitable wood approved for decks as outlined in San Francisco DBI Information Sheet FS-01.

Case-by Case Basis of Request – Describe the practical difficulties presented in meeting the specific conditions of the code and how the proposed modification or alternate meets the intent of the code. A separate form should be filled for each requested modification or alternate. Attach copies of any Administrative Bulletin, Code Ruling, reference, test reports, expert opinions, etc., which support this request. The Department may require that an approved consultant be hired by the applicant to perform tests or analysis and to submit an evaluation report to the Department for consideration.

Although the ferry shelter covers an area with an occupant load that would be considered an assembly occupancy, it is not a high fire challenge area:

1. It is of non-combustible construction, with very low combustible load. The furnishings used in the area will be either low-combustible wood, as discussed above, or non-combustible materials that will not have a rapid burn rate and will not be easily ignitable.
2. The area is entirely open on one long side, with at least 25% open wind break on the remaining sides. It is open and vented to the exterior. This will prevent the accumulation of smoke and avoid any likelihood of a flashover condition or other similar hazards posed by fires in enclosed spaces.
3. The station is at-grade. Occupants will be able to egress the area without traversing any stairs or other significant elevation changes.
4. The egress from the shelter area is excellent. The entire east face of the project is open and available to egressing occupants to get to a public way. Other egress openings will be available from portions of the north, south and west faces of the project.
5. The station is entirely visually open, such that an incident at any point of the station will be visible to all occupants of the entire station.

The benefit of providing automatic sprinklers and a fire alarm evacuation system are questionable, and the maintenance problems of providing these systems in an unsecured station, open to the bay exterior environment are significant. Many of the building safety features are similar to conditions in a train passenger platform (such as a BART platform) that would be subject to the requirements being requested in this AB-005 application. The requirements for fixed guideway transit systems were developed for this type of situation. Although this application has no "train", the issues are the same, and the safety afforded this situation are much better than would be the case in a train platform. There is no train or track causing a potential fire exposure, obstacle to access and egress, and potential dynamic hazard; there are far fewer people in the ferry scenario (passenger load of 400 vs. BART load of 2,000); and the access to exits from the station is much better (entire east side vs. stair or



LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
 SUB-PHASE 1B, 1C & 1E**  
 CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
 Ferry Shelter &  
 Support Structures:  
 Ferry &  
 Bus Shelters  
 PERMIT ISSUE**

PROJECT NO: LBN1401	DATE: 03/31/2016	BY:	DATE:
DRAWN BY: Author	REVISIONS	NO.	DESCRIPTION

APPROVALS & CONDITIONS

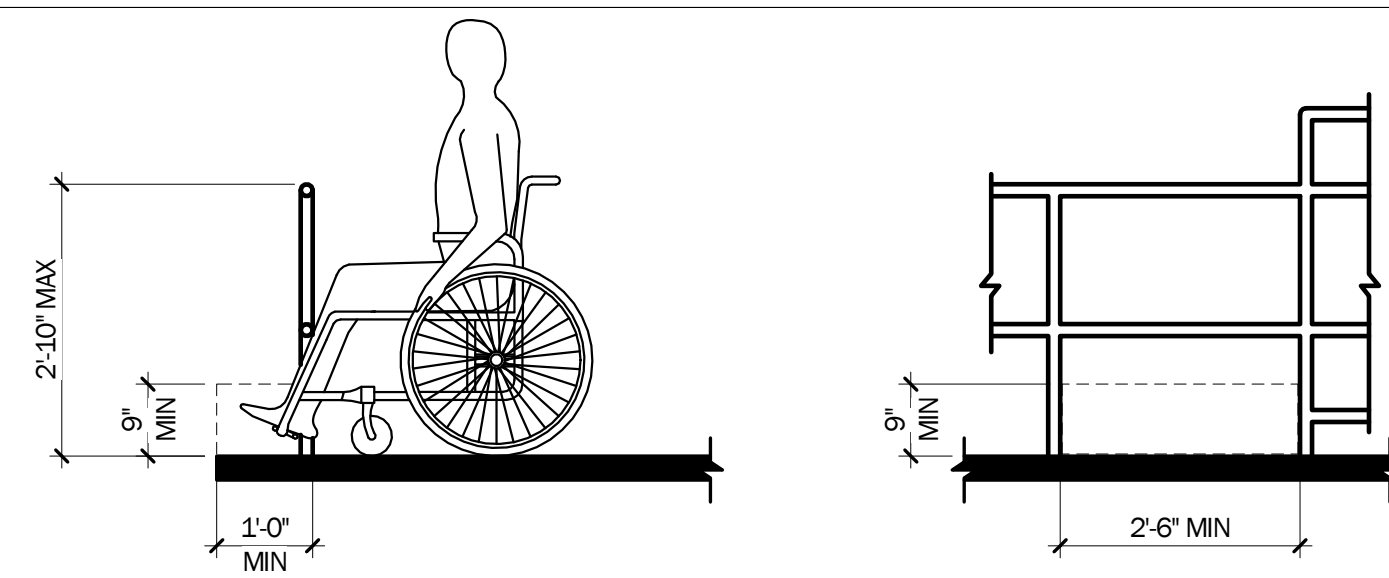
SHEET TITLE  
 SCALE

**A0.51**

DRAWING NO.

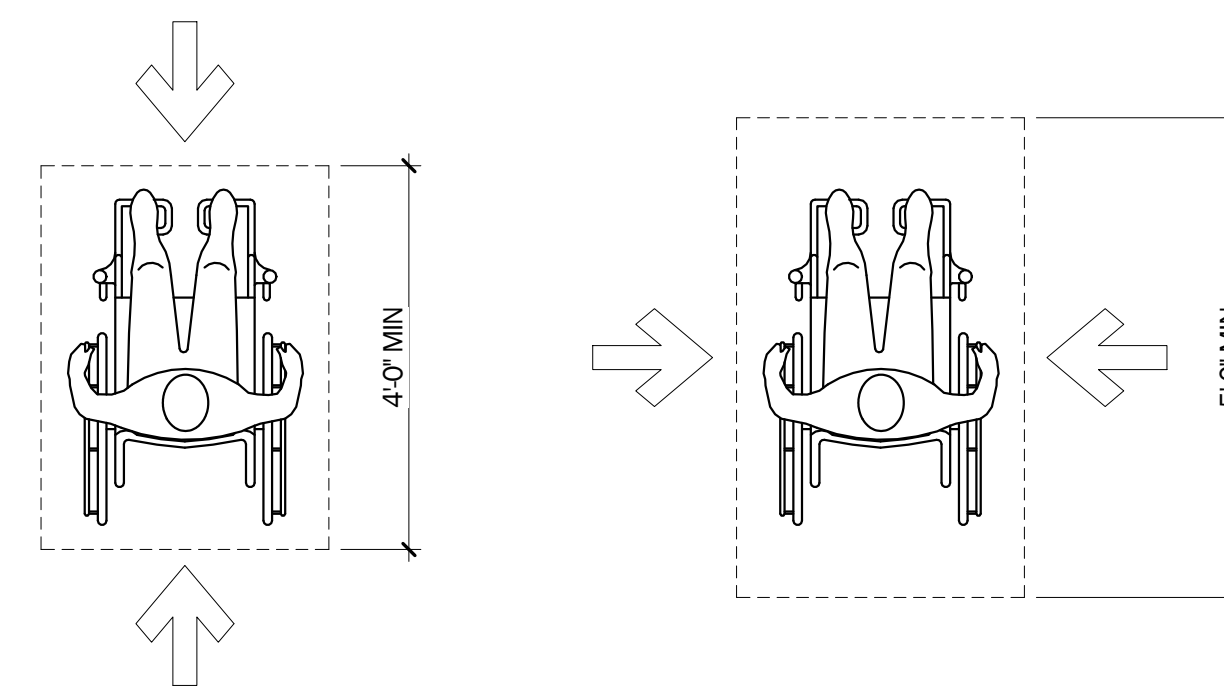
NOT FOR CONSTRUCTION





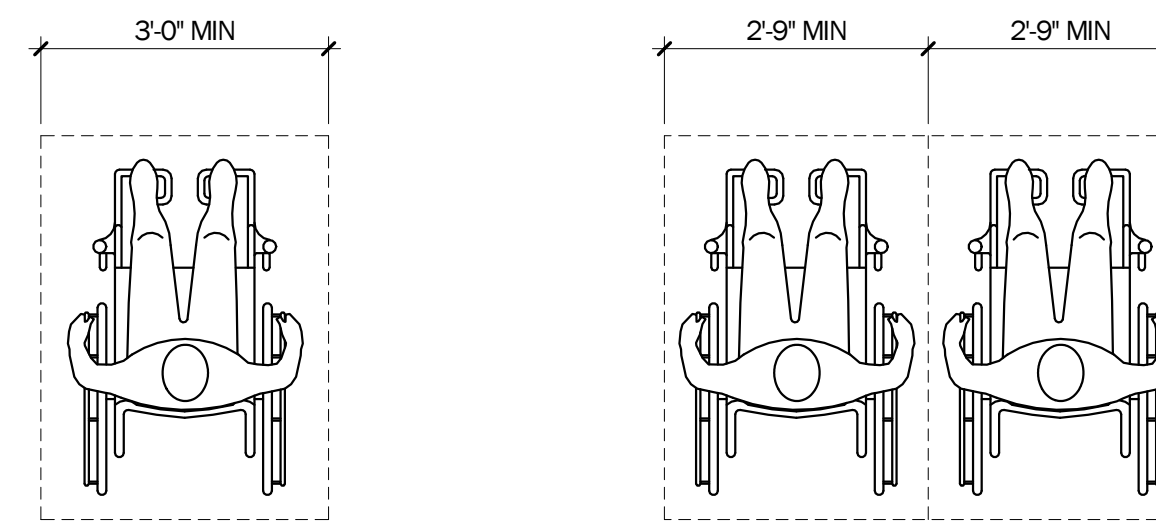
NOTE: THE GROUND OR DECK SURFACE SHALL EXTEND 12" MIN BEYOND THE INSIDE FACE OF THE RAILING. TOE CLEARANCE SHALL BE PROVIDED AND SHALL BE 30" WIDE MIN AND 9" MIN ABV THE GROUND OR DECK SURFACE BEYOND THE RAILING.

**12** EXTENDED GROUND OR DECK SURFACE @ FISHING PIERS & PLATFORMS  
1/2" = 1'-0"



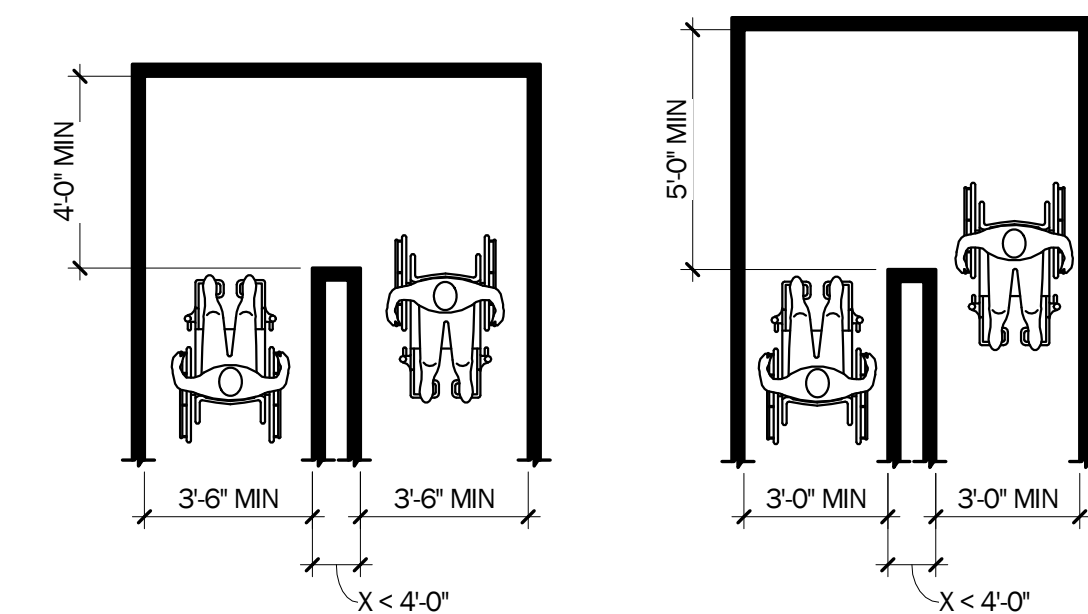
(A) FRONT OR REAR ENTRY (B) SIDE ENTRY

**11** DEPTH OF WHEELCHAIR SPACES  
1/2" = 1'-0"

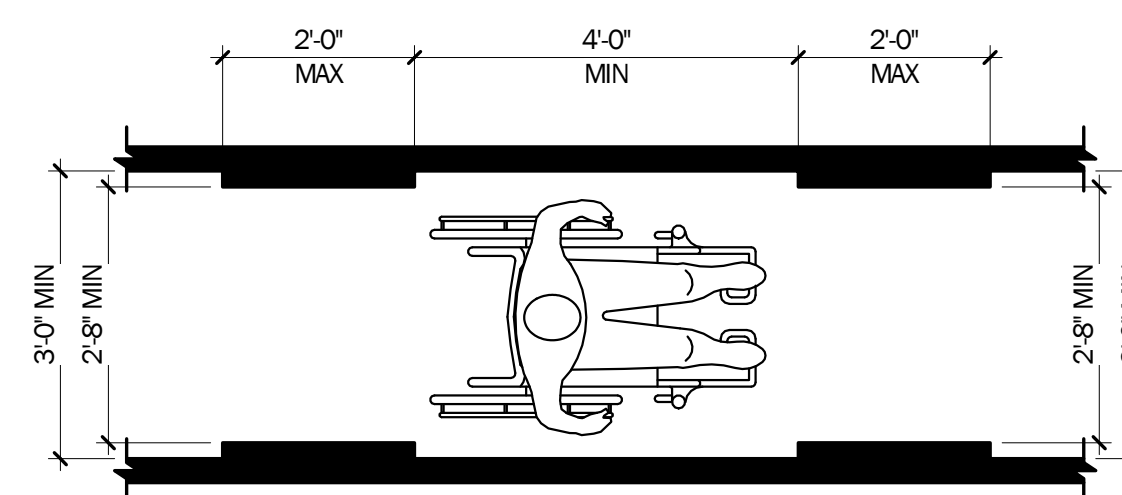


(A) SINGLE SPACE (B) TWO SPACES

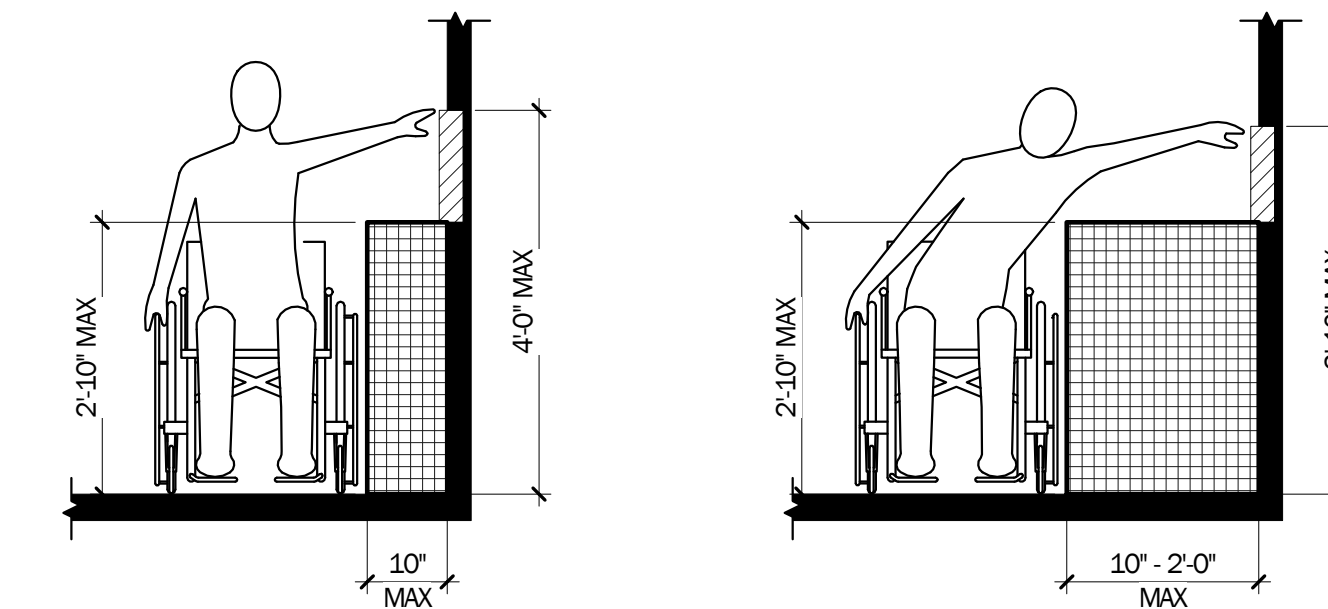
**10** WIDTH OF WHEELCHAIR SPACES  
1/2" = 1'-0"



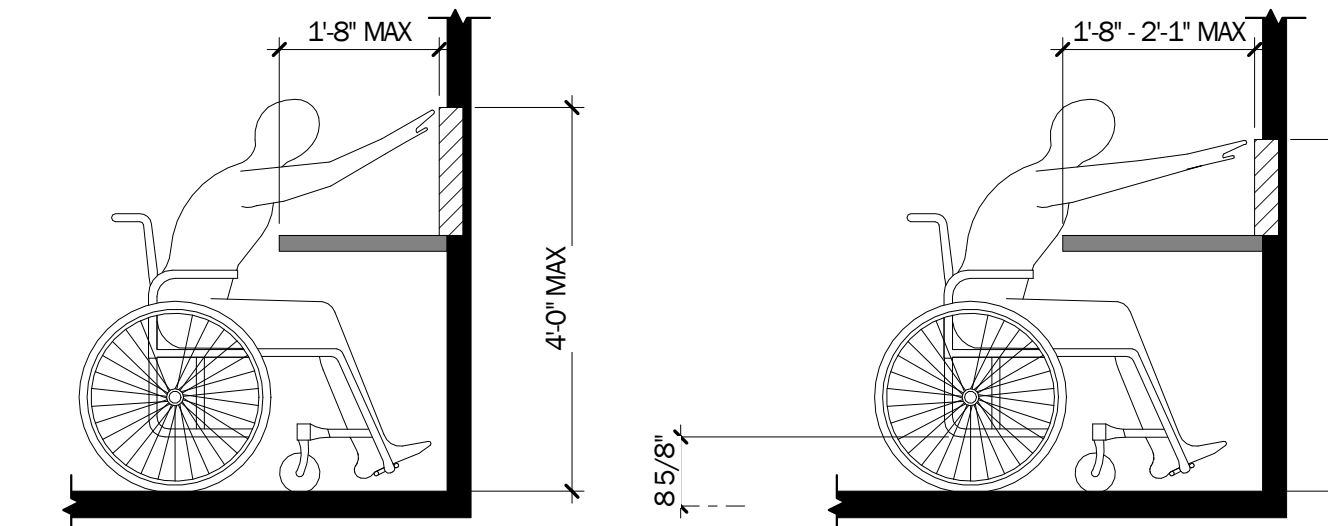
**8** CLEAR WIDTH AT TURN  
1/4" = 1'-0"



**7** CLEAR WIDTH OF AN ACCESSIBLE ROUTE  
1/2" = 1'-0"

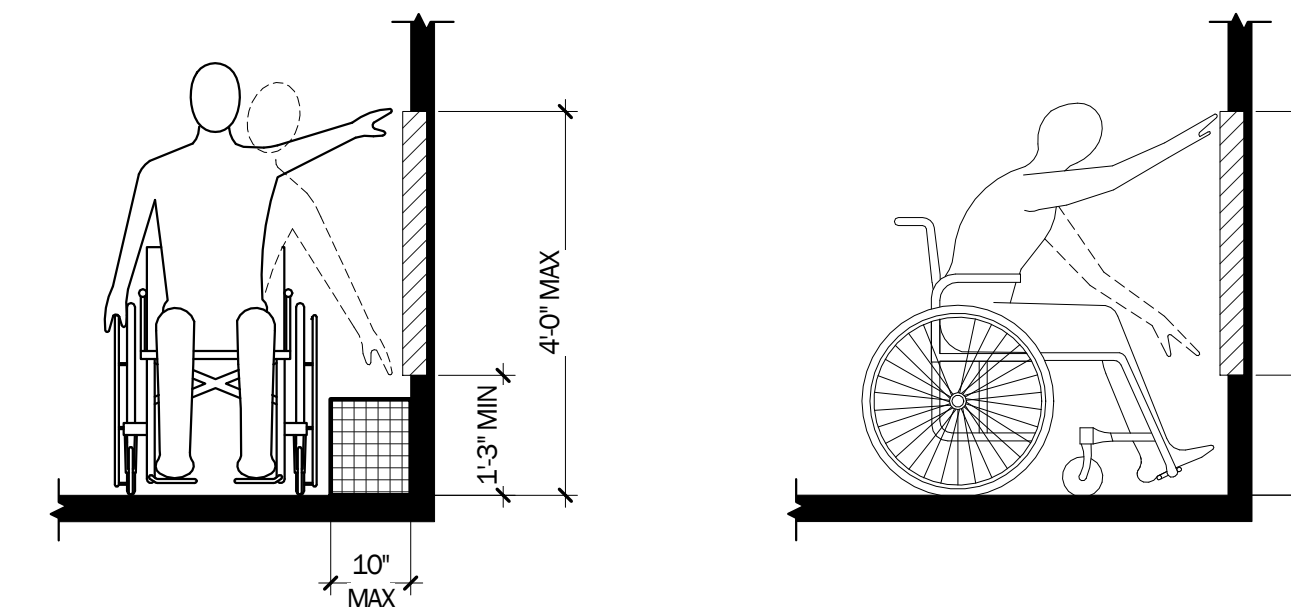


**6** OBSTRUCTED HIGH SIDE REACH  
1/2" = 1'-0"

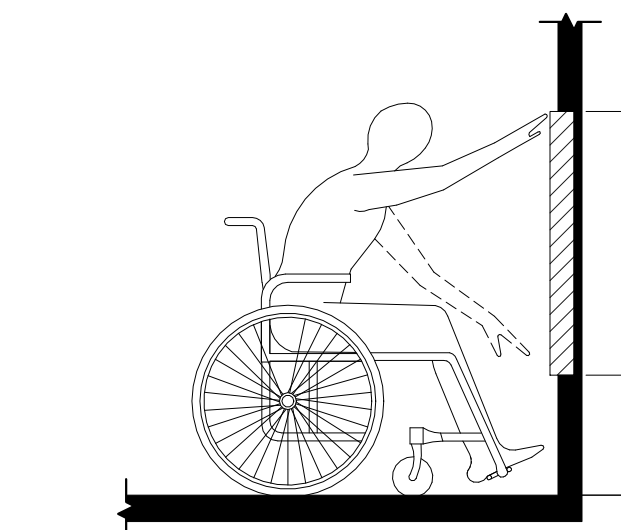


NOTE: WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION.

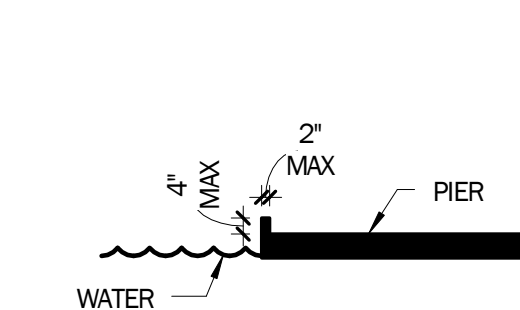
**4** OBSTRUCTED HIGH FORWARD REACH  
1/2" = 1'-0"



**5** UNOBSTRUCTED SIDE REACH  
1/2" = 1'-0"

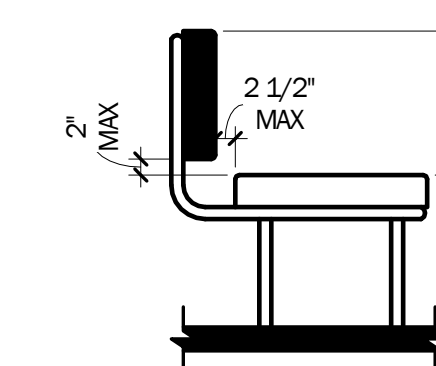


**3** UNOBSTRUCTED FORWARD REACH  
1/2" = 1'-0"

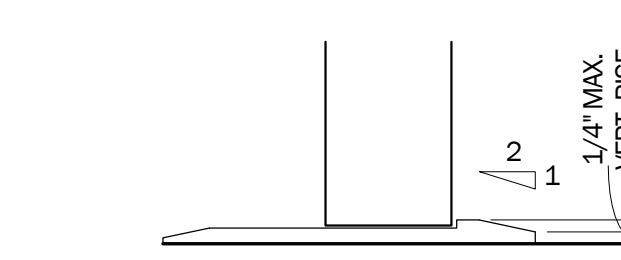


NOTE: EDGE PROTECTION SHALL BE PERMITTED AT CONTINUOUS CLEAR OPENINGS, PERMITTED THAT IT IS 4" HIGH MAX AND 2" WIDE MAX.

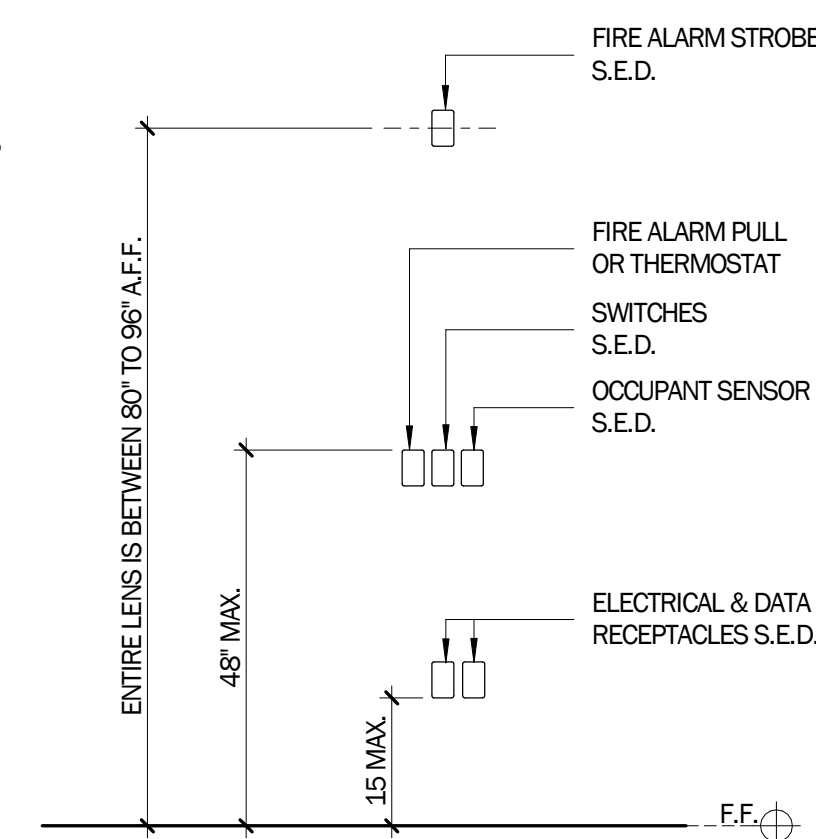
**14** EDGE PROTECTION @ BOAT SLIPS  
1/4" = 1'-0"



**9** BENCH BACK SUPPORT  
1/2" = 1'-0"



**2** ACC. THRESHOLD DETAILS  
3" = 1'-0"



**1** ACC. MOUNTING HEIGHTS  
1/2" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

PARKS  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO.	CHK	DATE	BY	DATE
LEH401		03/01/2016		
DRAWN BY:	REVISIONS	NO.	DESCRIPTION	

ADA COMPLIANCE

SHEET TITLE  
SCALE

A0.60

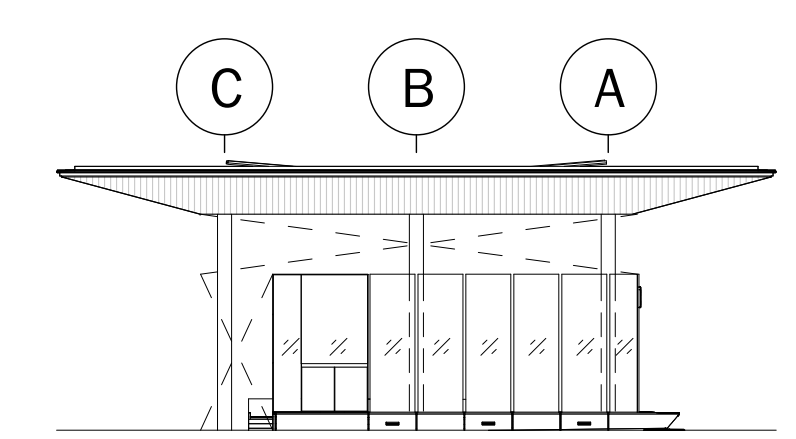
DRAWING NO.

**FIRE / LIFE SAFETY PLAN LEGEND**

- ASSEMBLY OCCUPANCY (FIXED GUIDEWAY TRANSIT STATION)  
(DASH INDICATES ROOF LINE ABOVE)
- EXIT SYMBOL
- TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO THE CLOSEST EXIT
- PUBLIC RIGHT OF WAY
- SITE FURNITURE, FIXED TO PAVING.  
SEE FURNITURE PLAN

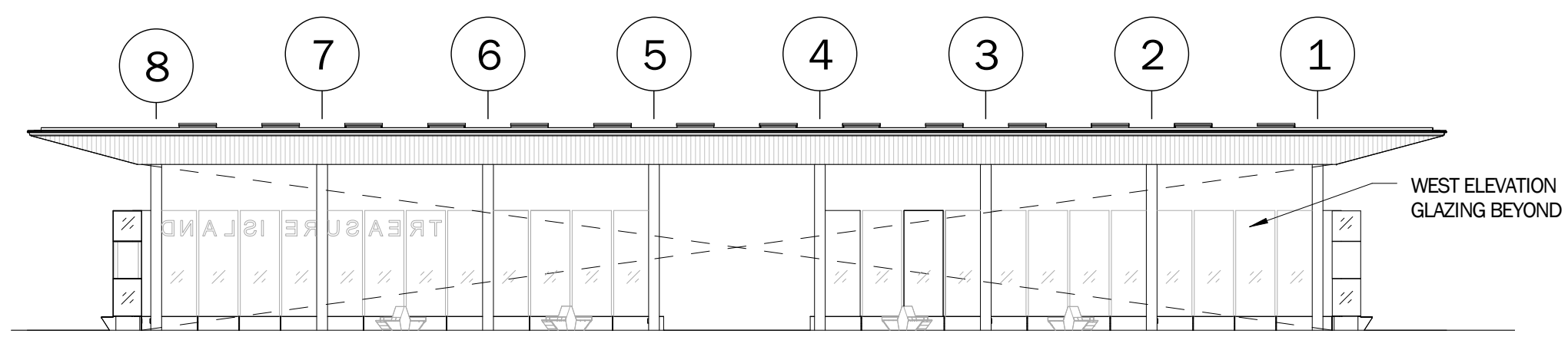


**DE+**  
DILWORTH ELIOT STUDIO  
1066 HOWARD ST  
SAN FRANCISCO, CA 94103



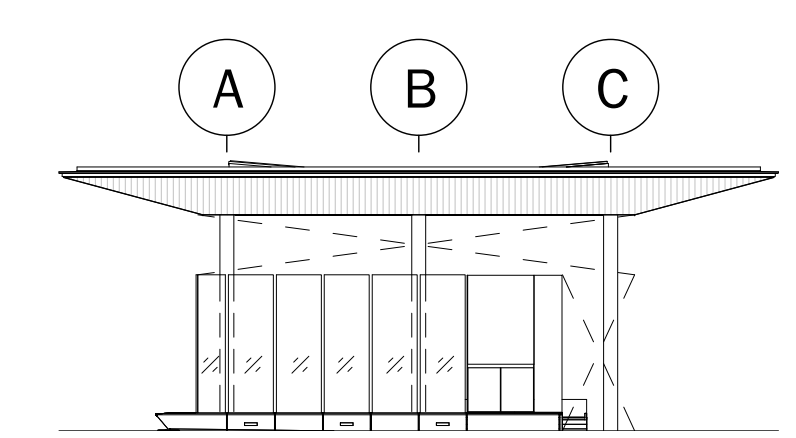
WALL AREA = 658 SF  
OPEN AREA = 277 SF  
% OPEN = 42%

**5 NORTH ELEVATION OPENING ANALYSIS**  
1/16" = 1'-0"



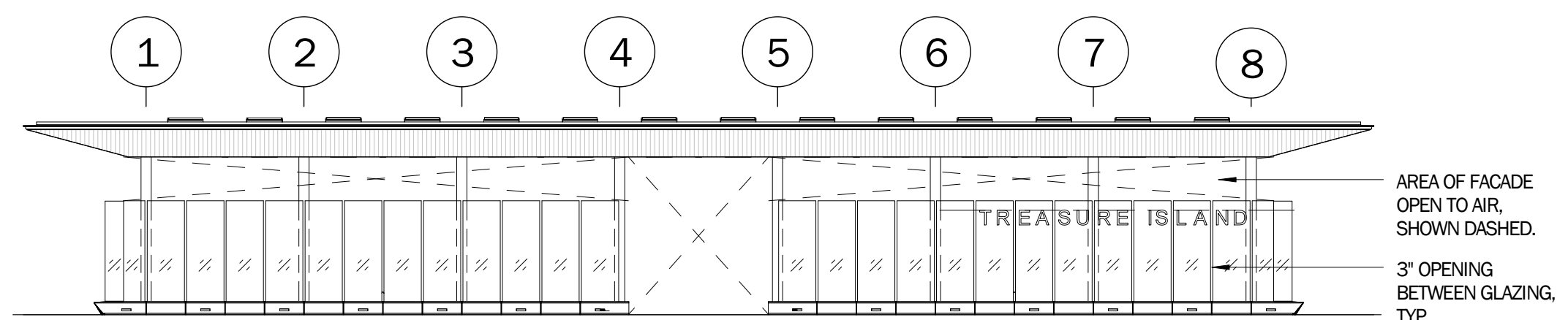
WALL AREA = 2,335 SF  
OPEN AREA = 2,335 SF  
% OPEN = 100%

**3 EAST ELEVATION OPENING ANALYSIS**  
1/16" = 1'-0"



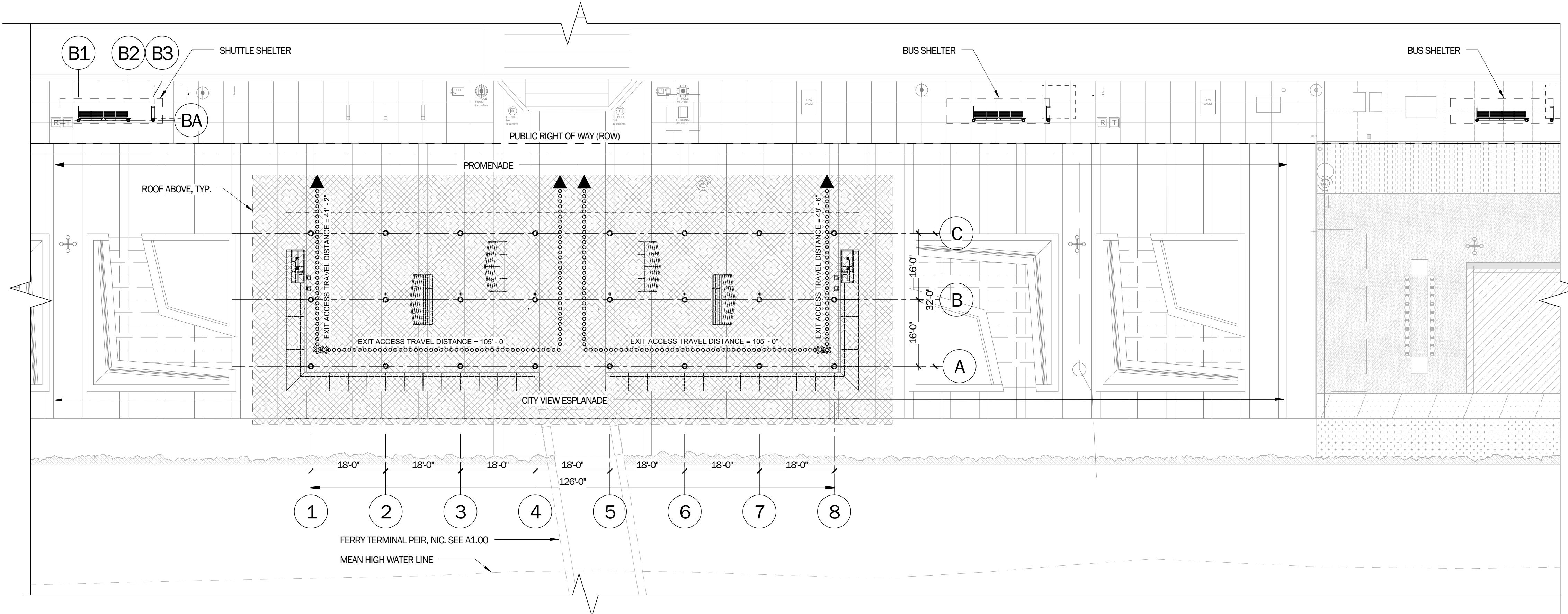
WALL AREA = 658 SF  
OPEN AREA = 277 SF  
% OPEN = 42%

**4 SOUTH ELEVATION OPENING ANALYSIS**  
1/16" = 1'-0"

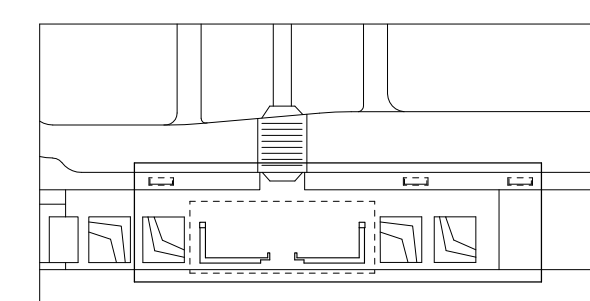


WALL AREA = 2,361 SF  
OPEN AREA = 959 SF  
% OPEN = 41%

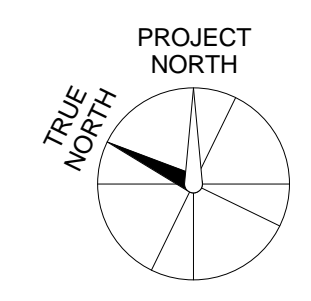
**2 WEST ELEVATION OPENING ANALYSIS**  
1/16" = 1'-0"



**1 FIRE/LIFE SAFETY PLAN**  
1/16" = 1'-0"



KEY MAP



FIRE/LIFE SAFETY PLAN

SHEET TITLE

SCALE

**A0.70**

DRAWING NO.

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter & Support Structures:  
Ferry & Bus Shelters  
PERMIT ISSUE

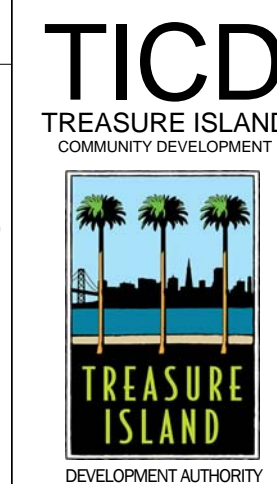
PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
NO.	DESCRIPTION
CHK:	DATE:
DATE:	03/31/2016
BY:	DATE:

SITE PLAN & LIMIT OF WORK NOTES

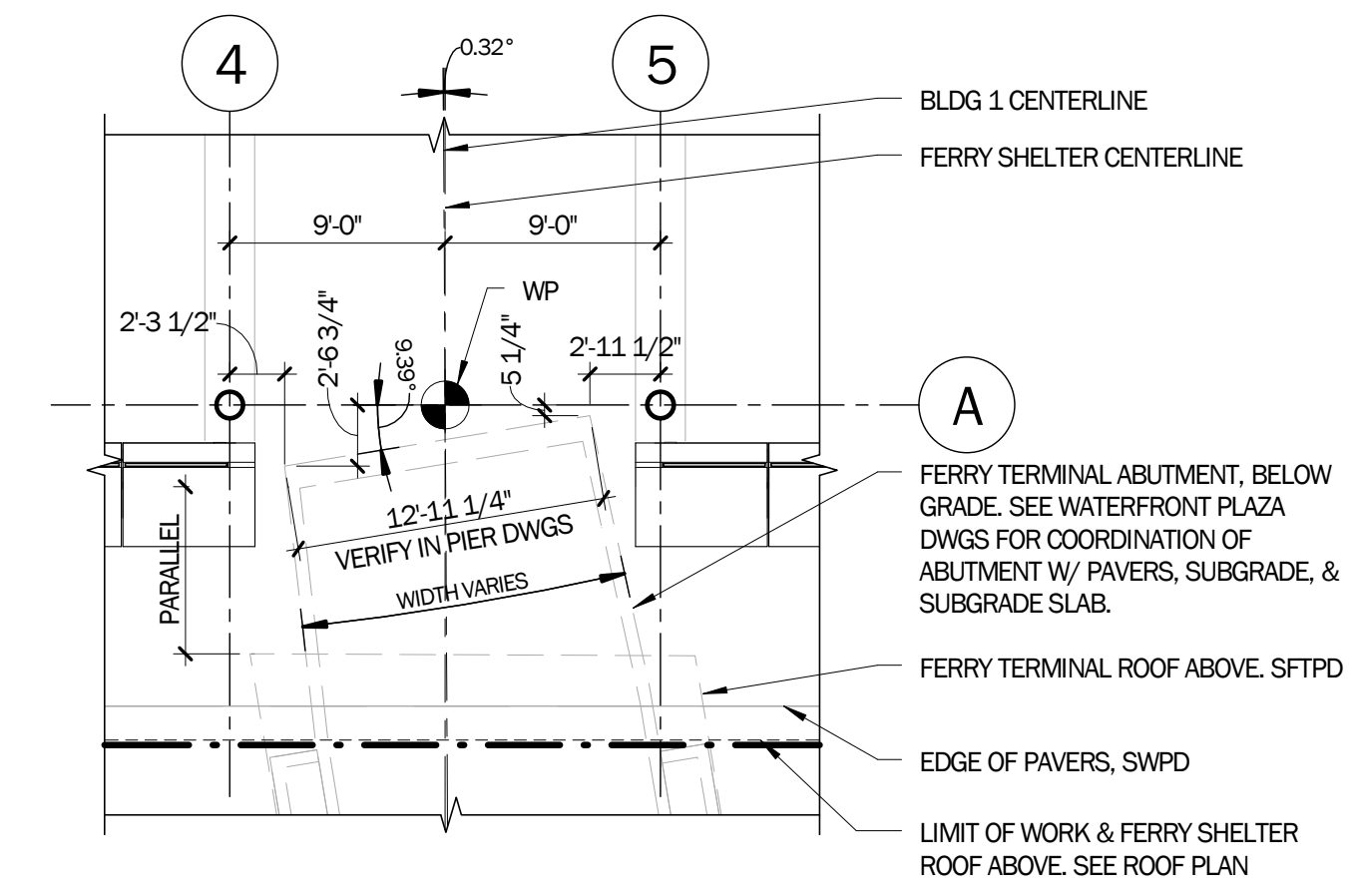
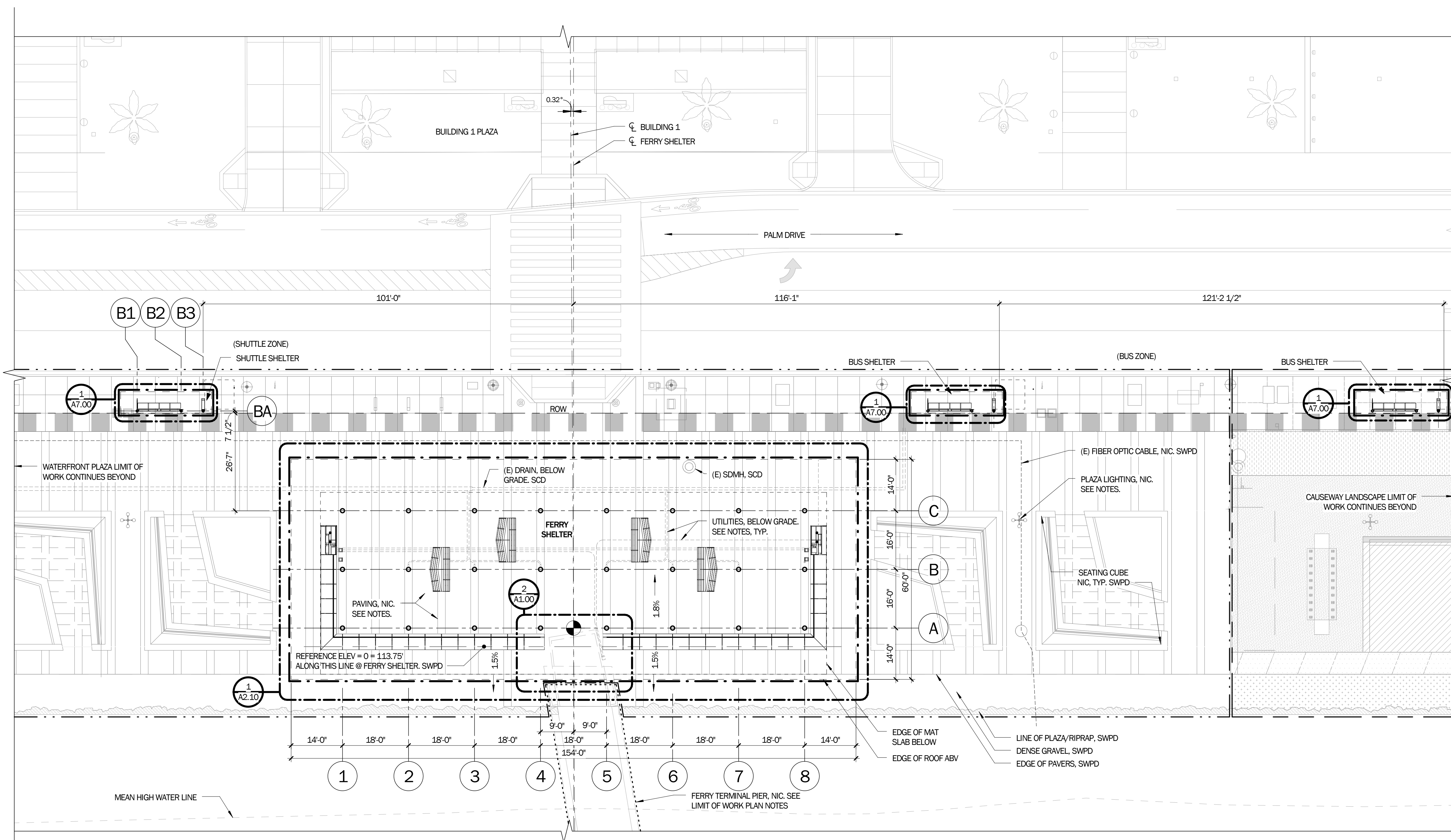
1. WATERFRONT PLAZA LIMIT OF WORK OUTSIDE OF FERRY SHELTER LIMIT OF WORK IS NIC.
2. WATERFRONT PLAZA LIMIT OF WORK INCLUDES WORK WITHIN FERRY & BUS SHELTER LIMIT OF WORK. PAVING, CONCRETE PAVING BANDS, CONCRETE SUB-SLAB, AND AGGREGATE BASE WITHIN FERRY SHELTER LIMIT OF WORK IS INCLUDED IN WATERFRONT PLAZA DRAWING SET AND IS BY NIC FOR THE FERRY & BUS SHELTER DRAWING PACKAGE. SEE WATERFRONT PLAZA DRAWINGS.
3. DEEP SOIL MIXING, ENGINEERED FILL, AND ALL OTHER GEOTECHNICAL WORK BY OTHERS. SEE GEOTECHNICAL CONTRACT DOCUMENTS.
4. FERRY TERMINAL PIER: PIER STRUCTURE, PIER DECK, PRECAST BEAMS, CONCRETE SLAB, AND ABUTMENT WITHIN AND OUTSIDE THE LIMITS OF WORK ARE PART OF PIER DRAWING PACKAGE. SEERRY TERMINAL PIER DRAWING PACKAGE. PIER ABUTMENT REQUIRES COORDINATION OF MAT SLAB IN THE FERRY SHELTER LIMIT OF WORK AND ABUTMENT AND BOX BEAM IN THE FERRY TERMINAL PIER DRAWING PACKAGE.
5. ELECTRICAL, PLUMBING, AND CIVIL WORK OUTSIDE THE LIMIT OF WORK WILL BE PART OF SEPARATE WATERFRONT PLAZA DRAWINGS. SWPD
6. SEE PARKS, WATERFRONT PLAZA DRAWINGS FOR UTILITIES AND SITE IMPROVEMENTS THAT REQUIRE COORDINATION WITH THE FERRY SHELTER, BUS SHELTER, AND SHUTTLE SHELTERS. ALL WORK DONE ABOVE OR BELOW UTILITIES CROSSING BY OTHERS SHALL BE COMPLETED UNDER THE INSPECTION OF OWNER APPOINTED INSPECTORS.
7. JOINT TRENCH INSTALLED AS PART OF TREASURE AND YERBA BUENA ISLAND REDEVELOPMENT, SYSTEM MASTER PLAN. INSTALLATION OF ALL UTILITIES CROSSING TRENCH SHALL BE UNDER THE INSPECTION OF OWNER APPOINTED INSPECTOR.
8. SITE DEMOLITION WITHIN WATERFRONT PLAZA LIMIT OF WORK BOUNDARIES ARE PART OF A SEPARATE CONTRACT. SEE TREASURE & YERBA BUENA ISLAND SUB-PHASE 01 IMPROVEMENT PLAN FOR DEMOLITION SCOPE.
9. BUS / SHUTTLE SHELTERS IN WATERFRONT PLAZA LIMIT OF WORK COORDINATED W/ WATERFRONT PLAZA DRAWINGS. SWPD. BUS SHELTER IN CAUSEWAY LIMIT OF WORK COORDINATED W/ CAUSEWAY LANDSCAPE DRAWINGS. SCLD.
10. SITE WORK CONNECTING DATA CLOSET IN BUILDING 1 TO STUB OUT IN FERRY SHELTER LIMIT OF WORK IS NIC. STED.
11. UTILITIES LINES SHOWN FOR REFERENCE. SEE CIVIL, ELECTRICAL, TECHNOLOGY, AND PLUMBING DRAWINGS FOR (E) AND (N) UTILITIES.
12. SEE GENERAL NOTES A0.20 FOR MORE INFORMATION ON SITE GRADING.
13. IN THIS DRAWING PACKAGE, REFERENCE ELEVATION OF "0" REFERS TO CIVIL SITE ELEVATION OF 113.75'.

SITE PLAN LEGEND

- FERRY & BUS SHELTERS LIMIT OF WORK
- WATERFRONT PLAZA LIMIT OF WORK (SHOWN FOR REFERENCE ONLY)
- CAUSEWAY LANDSCAPE LIMIT OF WORK (SHOWN FOR REFERENCE ONLY)
- FERRY TERMINAL PIER LIMIT OF WORK (SHOWN FOR REFERENCE ONLY)
- SITE UTILITY LINES, BELOW GRADE: SCD, SED, STED, AND SPD
- JOINT TRENCH, BY OTHERS. COORDINATE WITH BUS SHELTER MAT SLAB, SWPD
- WORK POINT. VERIFY COORDINATES IN WATERFRONT PLAZA DWGS
- (E) STORM DRAIN MANHOLE, SCD
- SITE FURNITURE, FIXED TO PAVING. SEE FURNITURE PLAN
- XX% GRADE SLOPE, SHOWN FOR COORDINATION REFERENCE ONLY. SEE GENERAL NOTES AND SWPD



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**1 SITE PLAN AND LIMIT OF WORK PLAN**  
1/16" = 1'-0"

**2 ENLARGED PLAN @ PIER**  
1/8" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter & Support Structures:  
Ferry & Bus Shelters  
PERMIT ISSUE

PROJECT NO. LBN401	DATE: 03/31/2016	BY:	DATE:
DRAWN BY: REVISIONS	DESCRIPTION		
NO.			

SITE PLAN AND LIMIT OF WORK PLAN

SHEET TITLE  
SCALE

**A1.00**

DRAWING NO.

C:\Users\hardy\Documents\A11 FERRY SHELTER\_2015\Central\_1\@dilwortheliot.com.vt

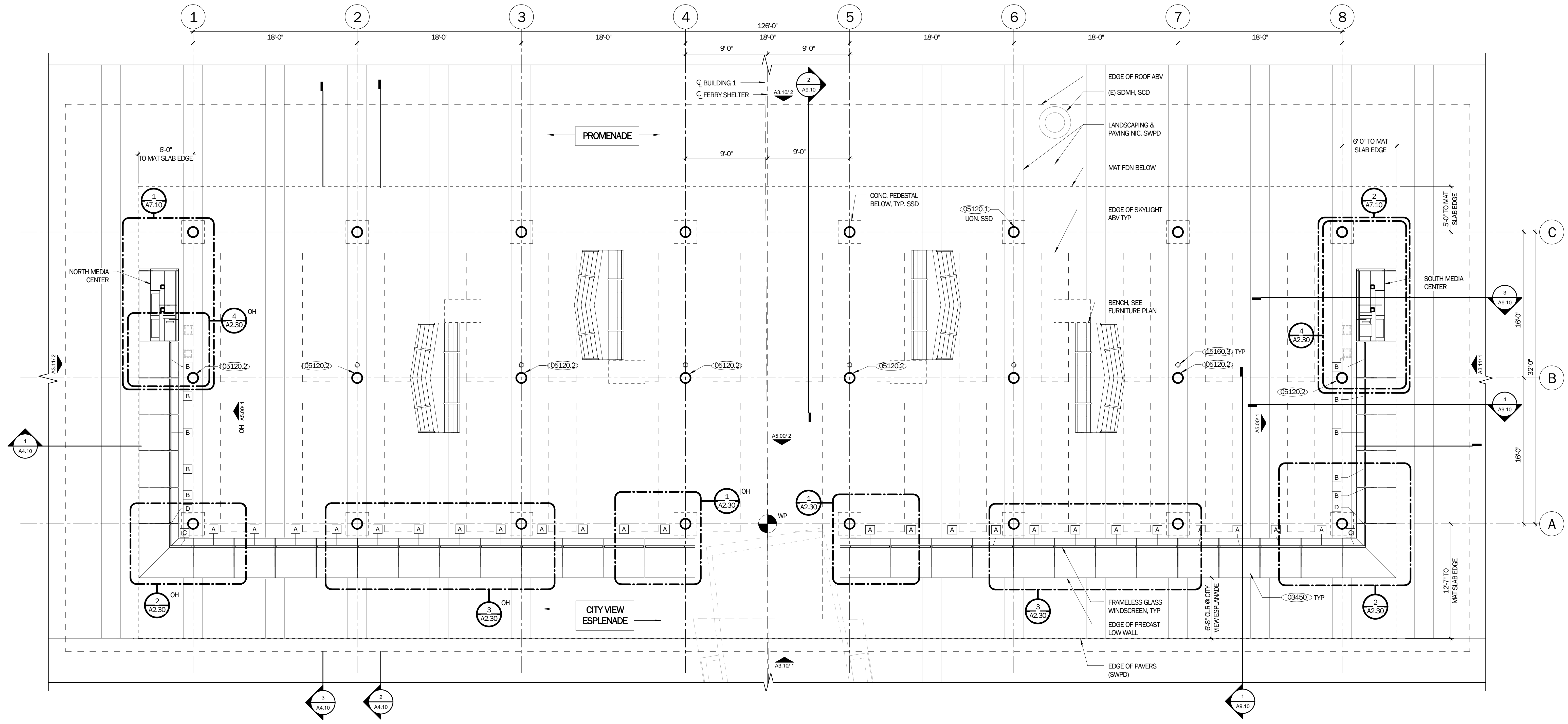
NOT FOR CONSTRUCTION

FLOOR PLAN KEYNOTES	
03450	PRECAST CONCRETE LOW WALL
05120.1	STEEL COLUMN, SSD
05120.2	STEEL COLUMN, NON-STRUCTURAL, SSD AND SED
15160.3	FLOOR CLEAN-OUT, SPD

- FLOOR PLAN NOTES**
1. LANDSCAPING AND PLANTED AREAS BY OTHERS (SWPD)
  2. ALL PUBLIC ACCESS AREAS TO BE ADA ACCESSIBLE INCLUDING SEATED AREAS & AREAS OF SERVICE.
  3. WATERFRONT PLAZA DRAINAGE & RETENTION NIC, SWPD.
  4. FOR FERRY SHELTER ELECTRICAL PANEL, SED, WATERFRONT PLAZA ELECTRICAL PANEL NIC, SED.
  5. SEE FURNITURE PLAN FOR FERRY SHELTER SITE FURNISHINGS.
  6. STEEL COLUMNS, BEAMS, & CONNECTIONS @ FERRY SHELTER SHALL BE HDG, BIMETAL PREP, W/(3) COATS TNEMIC PAINT, AESS @ ALL EXPOSED STEEL FRAMING & CONNECTIONS.
  7. SEE A8.10 FOR WINDSCREEN PANEL SCHEDULE.
  8. SEE A10.00 FOR PRECAST LOW WALL DETAILS.
  9. REFERENCE ELEVATION OF "0" REFERS TO CIVIL SITE ELEVATION OF 113.75'. SEE GENERAL NOTES A0.20.

**FLOOR PLAN LEGEND**

- FERRY & BUS SHELTERS LIMIT OF WORK
- - - WATERFRONT PLAZA LIMIT OF WORK (SHOWN FOR REFERENCE ONLY)
- - - CAUSEWAY LANDSCAPE LIMIT OF WORK (SHOWN FOR REFERENCE ONLY)
- - - FERRY TERMINAL PIER LIMIT OF WORK (SHOWN FOR REFERENCE ONLY)
- WP WATERFRONT PLAZA WORK POINT, VERIFY COORDINATES IN WATERFRONT PLAZA DWGS
- (E) STORM DRAIN MANHOLE, SCD
- STEEL COLUMN, SSD
- FRAMELESS WINDSCREEN GLASS PANEL & TAG
- KEYNOTE TAG
- FLOOR CLEANOUT, SPD



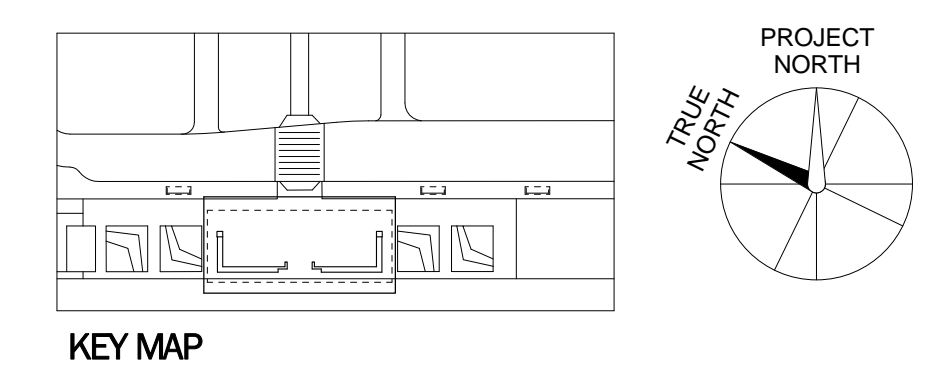
LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND SUB-PHASE 1B, 1C & 1E**  
 COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
 Ferry Shelter & Support Structures:  
 Ferry & Bus Shelters  
 PERMIT ISSUE

PROJECT NO.	CHK	DATE	REVISIONS	NO.	DESCRIPTION	BY	DATE
LEN1401		03/31/2016					

**FERRY SHELTER FLOOR PLAN**  
 SHEET TITLE  
 SCALE  
**A2.10**  
 DRAWING NO.



**1 FERRY SHELTER FLOOR PLAN**  
 3/16" = 1'-0"

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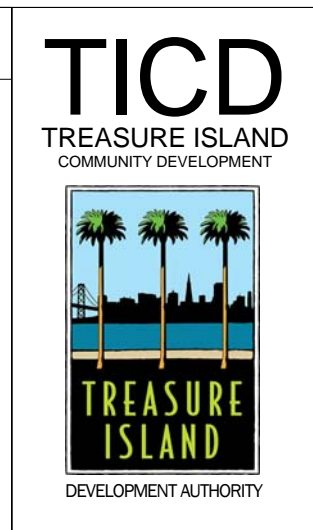
NOT FOR CONSTRUCTION

KEYNOTES	
05700.3	FOLDED ALUMINUM PARAPET CAP AND FASCIA EDGE
07610.1	SHEET METAL ROOFING
07610.2	CONTINUOUS ROOF GUTTER
08630	SKYLIGHT
15160.2	GUTTER DOWNSPOUT STRAINER, SPD

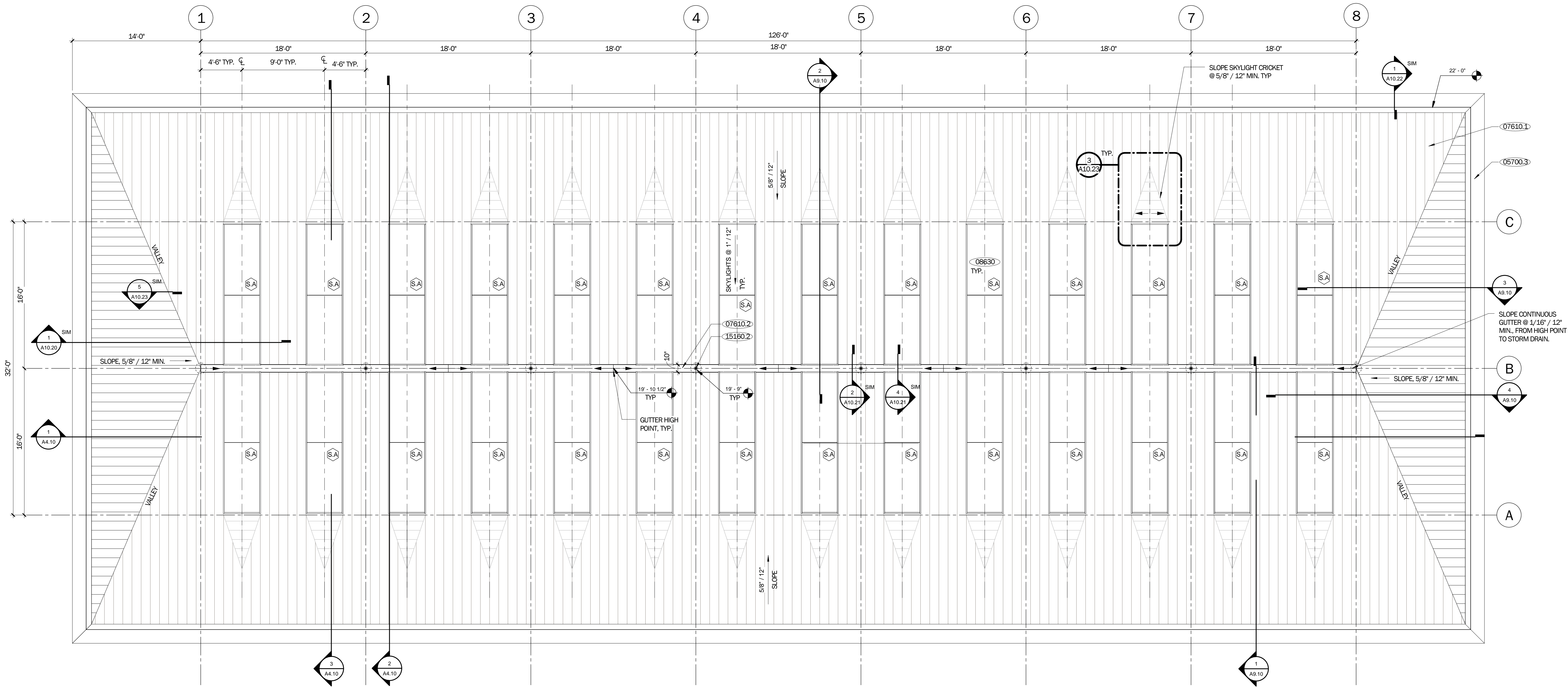
**ROOF PLAN NOTES**

1. PROVIDE BIRD CONTROL ALONG ENTIRE LENGTH OF PARAPET CAP AND OVER WHOLE ROOF. SEE A10.22 FOR ADDITIONAL INFORMATION.
2. PROVIDE ALLOWANCE FOR BIRD CONTROL SYSTEMS AT MEDIA CENTER & ON TOP OF SIGNAGE/TRANSIT DISPLAY ELEMENTS.
4. SEE A8.20 FOR SKYLIGHT SCHEDULE.
5. SEE A7.10 FOR MEDIA CENTER ROOF PLAN.
6. SEE PLUMBING DRAWINGS FOR ROOF DRAINAGE PLAN. ROOF DRAINS TO BE CONCEALED & ROUTED THROUGH NON-STRUCTURAL COLUMNS.

ROOF PLAN LEGEND			
	STORM DRAIN W/ DOWNSPOUT STRAINER		SKYLIGHT
	SLOPE, FROM GUTTER HIGH POINT		SKYLIGHT TAG
	NON-STRUCTURAL COLUMN BELOW		
	STANDING SEAM ROOF		
	ELEVATION (ABOVE REFERENCE ELEVATION)		



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SAN FRANCISCO, CA 94103



LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

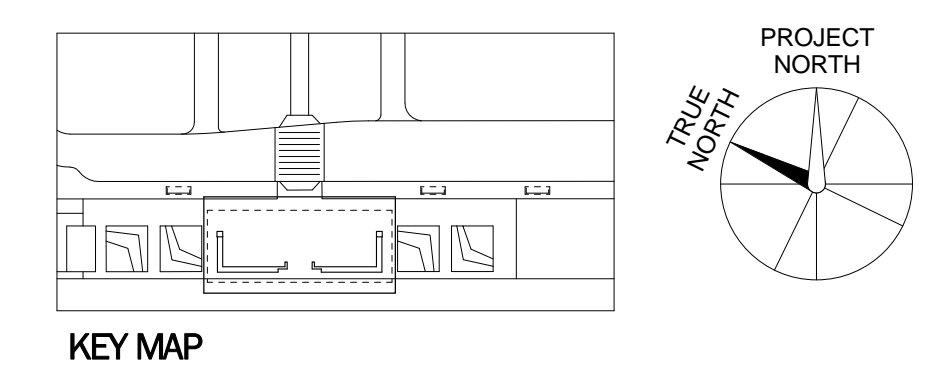
**PARKS  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE**

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
NO.	DESCRIPTION
CHK:	DATE: 03/31/2016
BY:	DATE:

FERRY SHELTER ROOF PLAN  
SHEET TITLE  
SCALE

**A2.11**  
DRAWING NO.

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



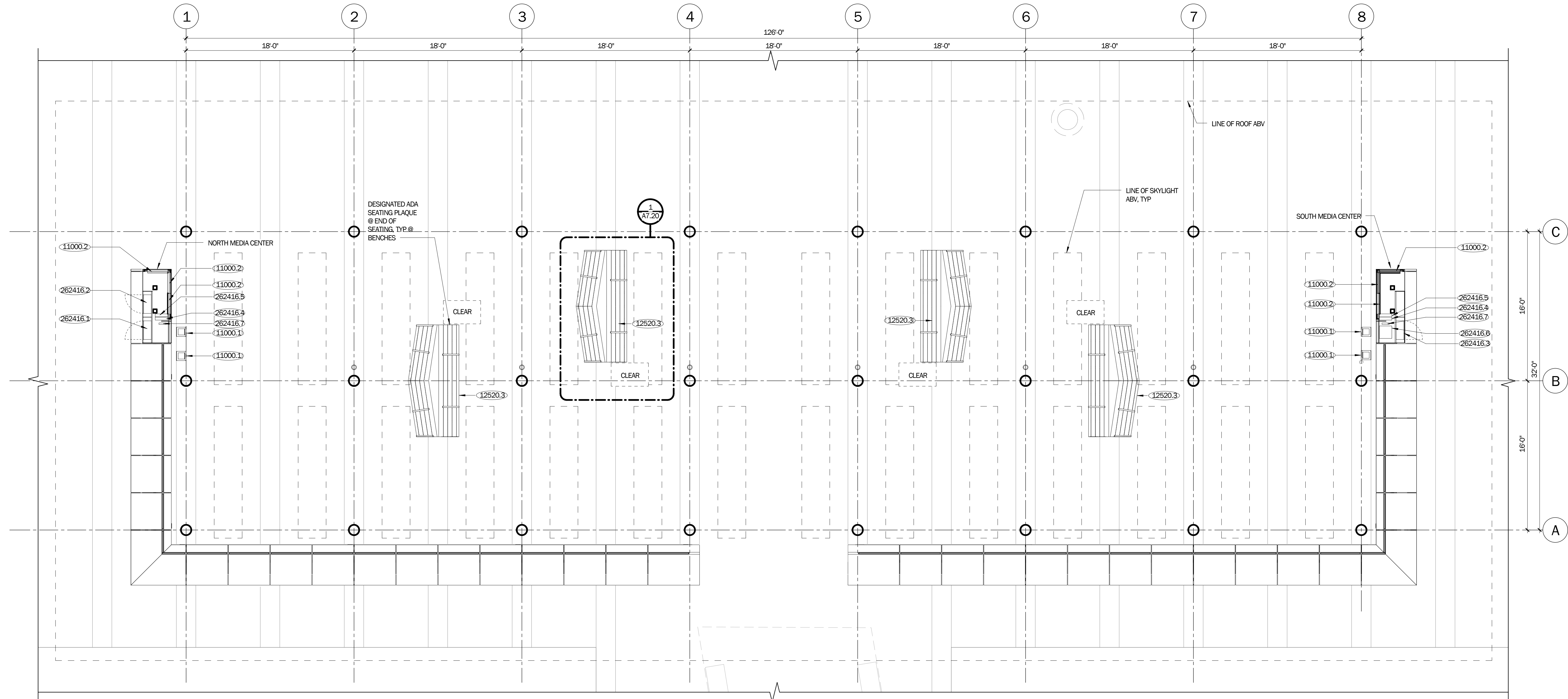
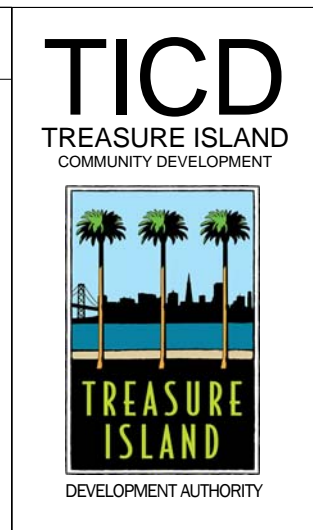
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NOT FOR CONSTRUCTION

KEYNOTES	
11000.1	TICKETING MACHINES (CLIPPER CARD KIOSK), NIC
11000.2	DIGITAL DISPLAY SCREEN (FERRY SHELTER INFORMATION SCREENS), NIC
12520.3	FERRY SHELTER BENCH SEATING
262416.1	FERRY SHELTER CIRCUIT PANEL, SED
262416.2	LIGHTING INVERTER, SLTD
262416.3	EVENT CABINET, SED
262416.4	MEDIA CONVERTER, NIC, STED
262416.5	MINI-PC/CONTENT DRIVER, NIC, STED
262416.6	FIBER LIU, NIC, STED
262416.7	IPLAYER 3, SLTD

FURNITURE PLAN NOTES	
1.	SEE A7.20 FOR BENCH DETAILS.
2.	FIXED TO THE GROUND BY (2) BOLTS WHICH ARE PLACED IN HOLES DRILLED INTO THE GROUND SURFACE AND FILLED WITH EPOXY RESIN, QUICK SETTING CEMENT, OR SIMILAR.
3.	USE ANTI-GRAFFITI TREATMENT ON ALL BENCHES
4.	EVENT POWER CABINET, FERRY SHELTER PANEL, AND LIGHTING INVERTER TO BE ENCLOSED IN LOCKABLE BRUSHED SS NEMA TYPE 3R ELECTRICAL CABINET. SEE MEDIA CENTER DETAILS.

FURNITURE PLAN LEGEND	
	CUSTOM SITE FURNITURE, FIXED TO PAVING. SEE A7.20
	STEEL COLUMN, SSD
	WHEELCHAIR CLEAR FLOOR SPACE, ADJACENT TO COMPANION SEATING
	KEYNOTE TAG



LICENSE STAMP

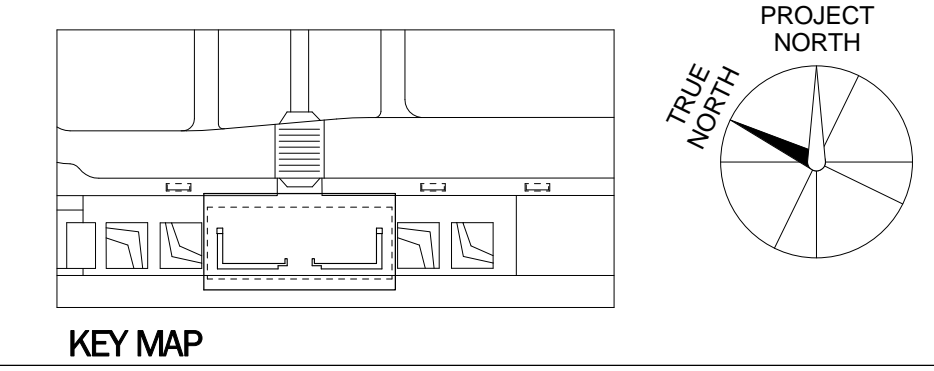
TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
 CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
 Ferry Shelter & Support Structures:  
 Ferry & Bus Shelters  
**PERMIT ISSUE**

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
DATE:	03/31/2016
BY:	
DATE:	
NO:	
DESCRIPTION:	

FERRY SHELTER EQUIPMENT AND FURNITURE PLAN  
 SHEET TITLE  
 SCALE  
**A2.12**  
 DRAWING NO.

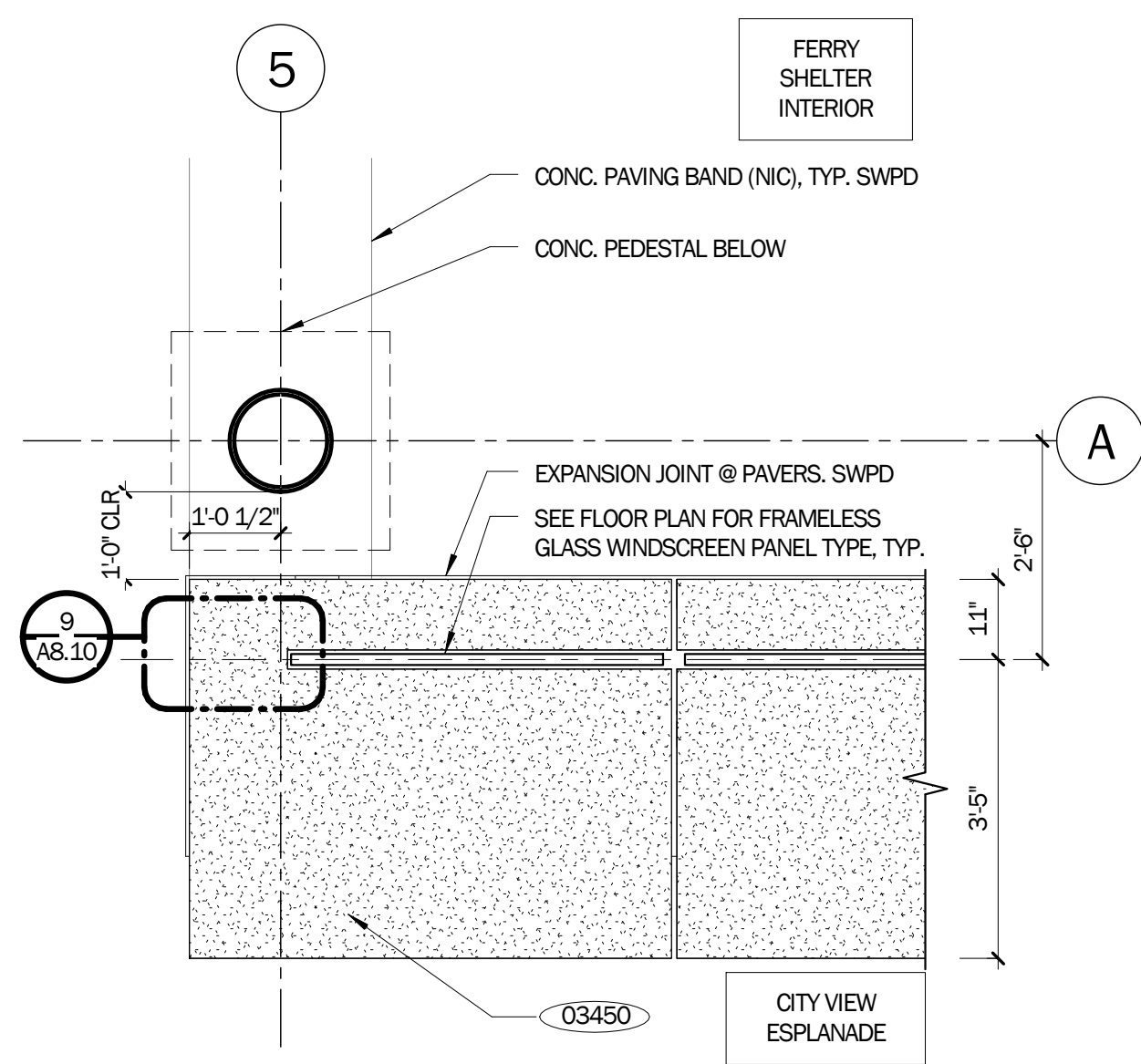
**1 FERRY SHELTER EQUIPMENT AND FURNITURE PLAN**  
 3/16" = 1'-0"



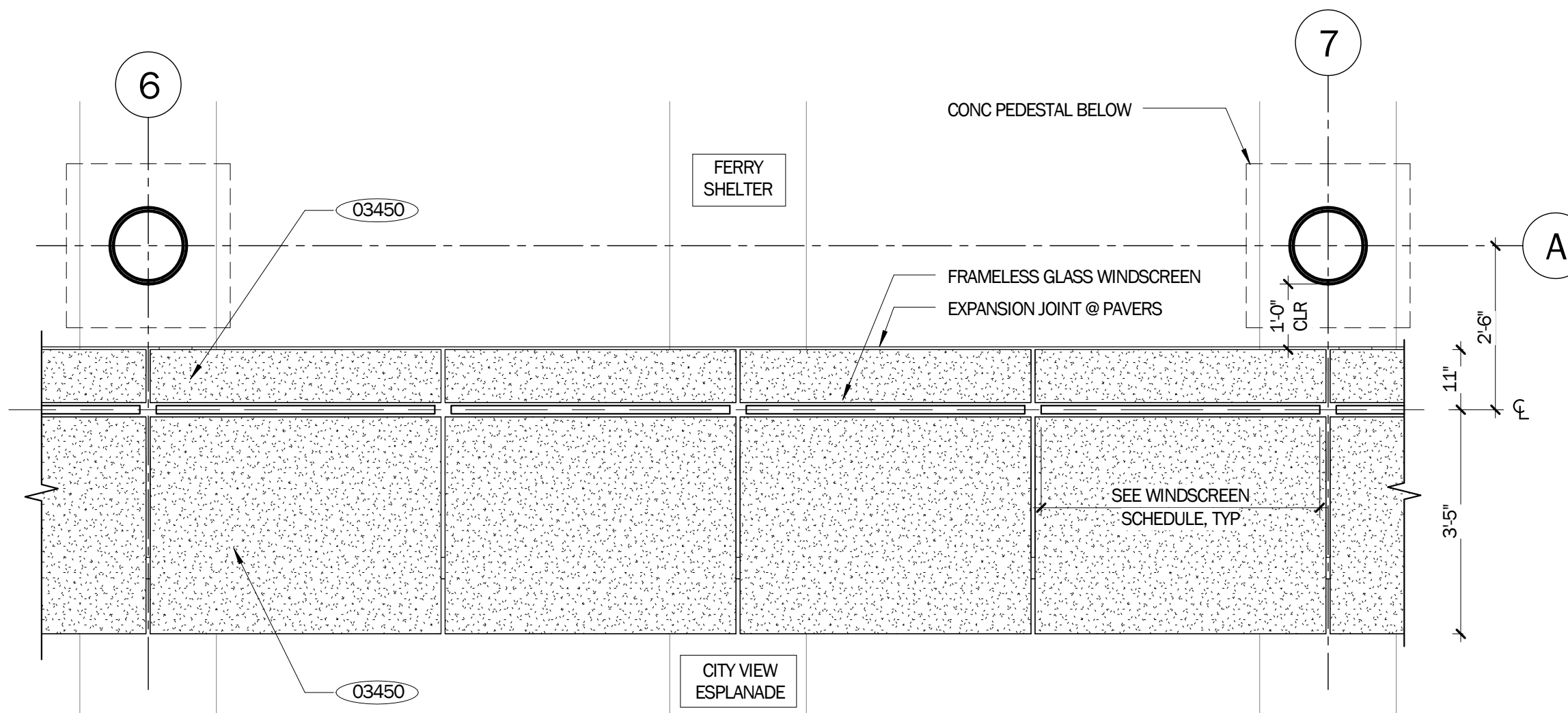
C:\Users\hardy\Documents\A\_11 FERRY SHELTER\_2015\Cenral\_11\dwg\shelter\1c.dwg

NOT FOR CONSTRUCTION

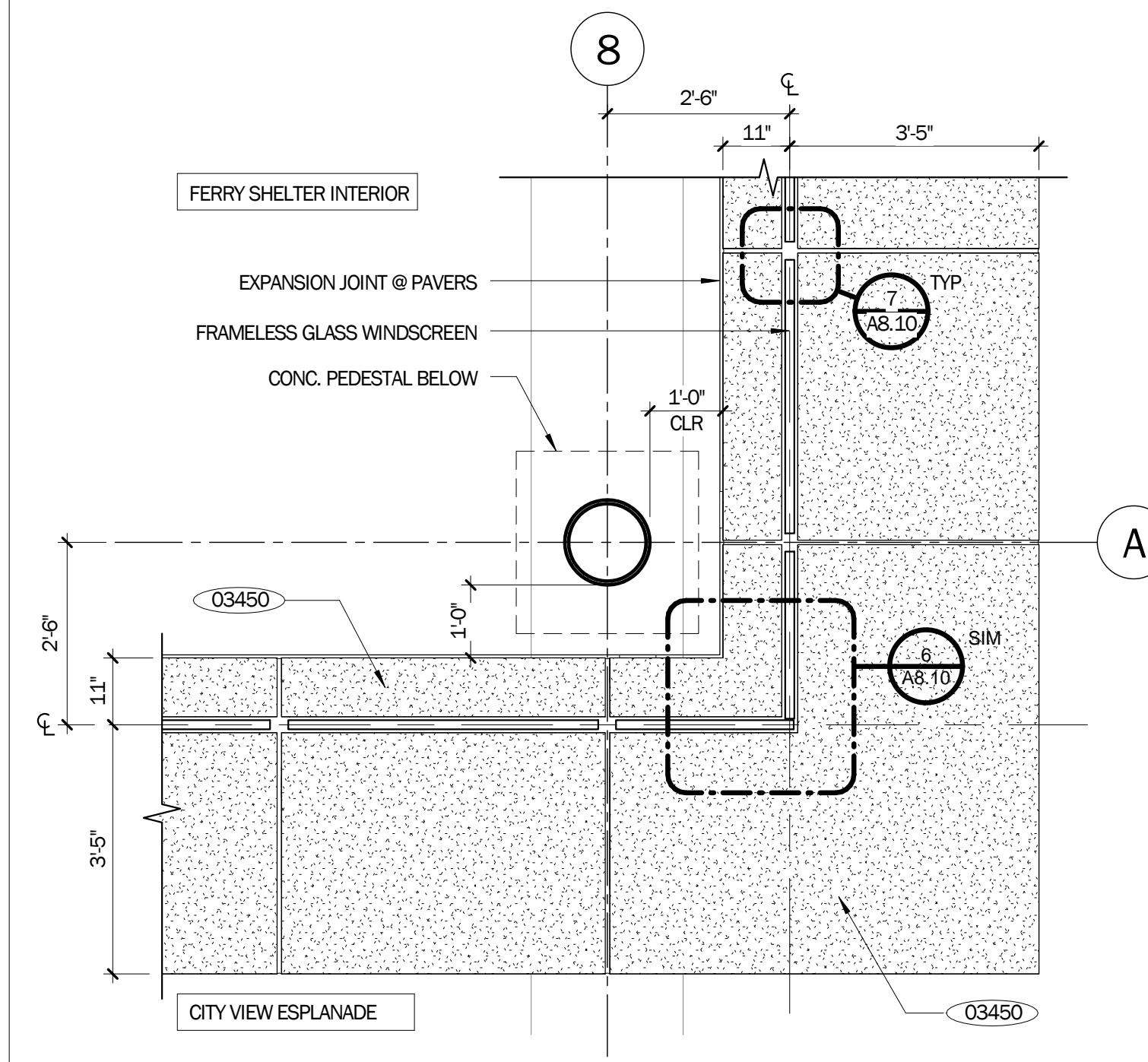
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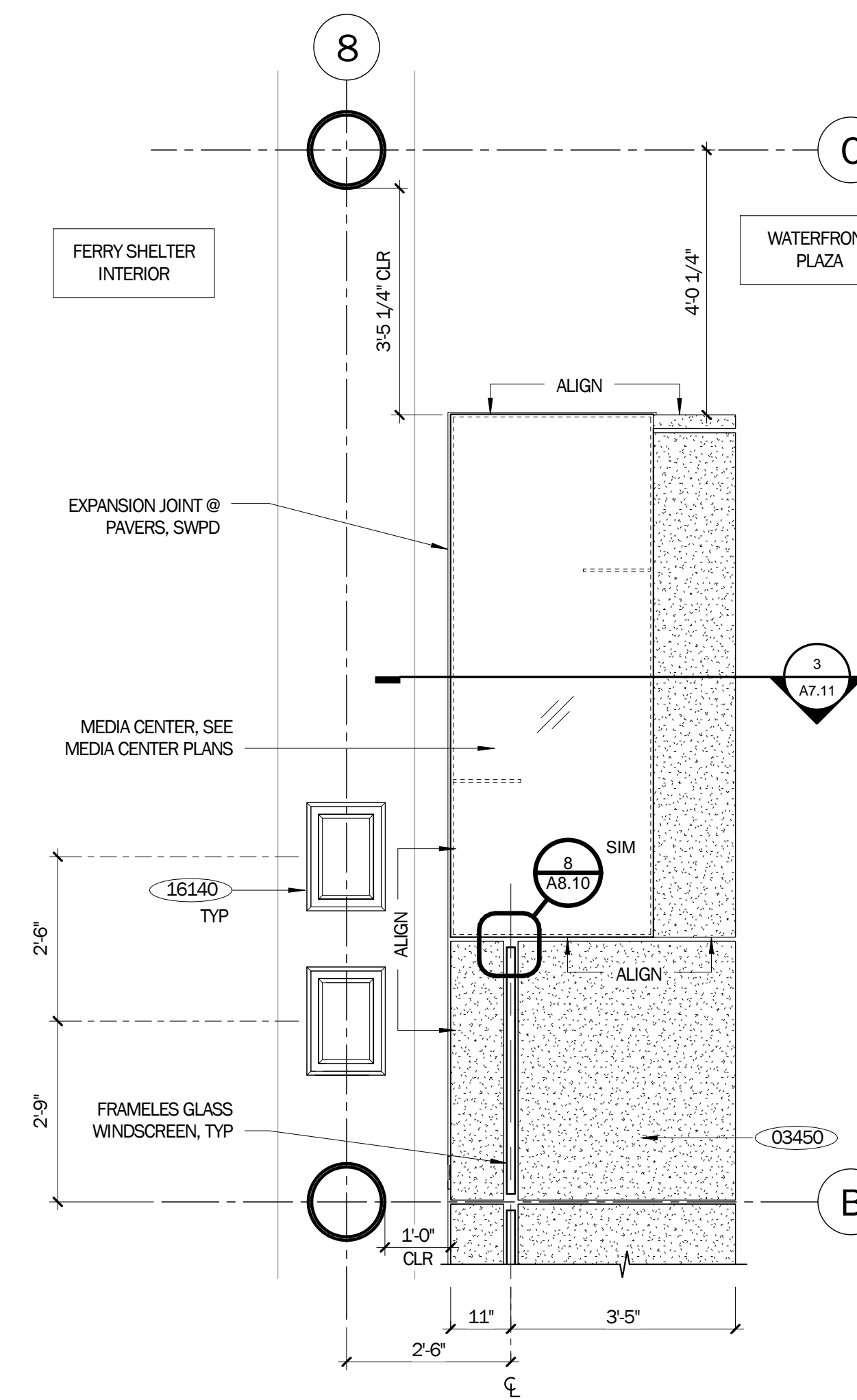
**1 ENLARGED FLOOR PLAN @ WINDSCREEN END**  
1/2" = 1'-0"



**3 ENLARGED FLOOR PLAN @ WINDSCREEN**  
1/2" = 1'-0"



**2 ENLARGED FLOOR PLAN @ WINDSCREEN CORNER**  
1/2" = 1'-0"



**4 ENLARGED FLOOR PLAN @ MEDIA CENTER**  
1/2" = 1'-0"

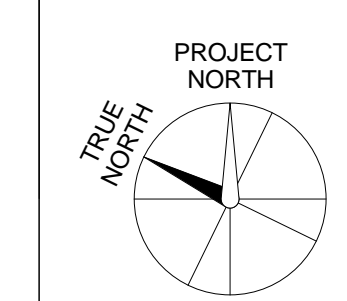
KEYNOTES

03450	PRECAST CONCRETE LOW WALL
16140	CHRISTY BOX

- ENLARGED PLAN NOTES
- SEE SHEET A2.10 FOR FLOOR PLAN NOTES
  - SEE A8.10 FOR WINDSCREEN GLASS PANEL SCHEDULE
  - SEE A10.00 FOR LOW WALL DETAILS
  - CHRISTY BOX TO HOUSE POWER & DATA CONNECTIONS (SED & STED) FOR TICKETING MACHINE (NIC), SWPD FOR PAVING DETAILS.

ENLARGED PLAN LEGEND

	PRECAST CONCRETE
	COLUMN, SEE FLOOR PLANS & SSD



LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter & Support Structures:  
Ferry & Bus Shelters  
PERMIT ISSUE

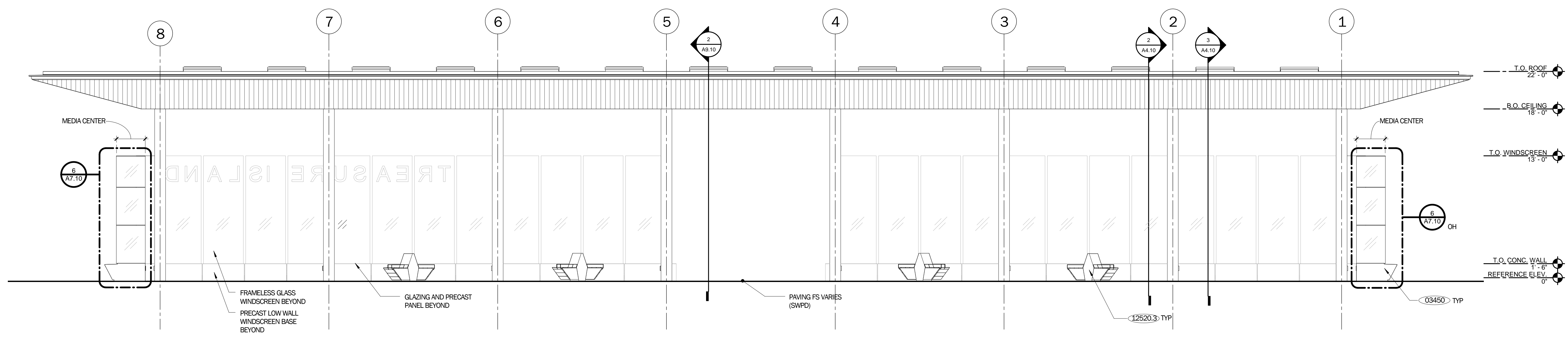
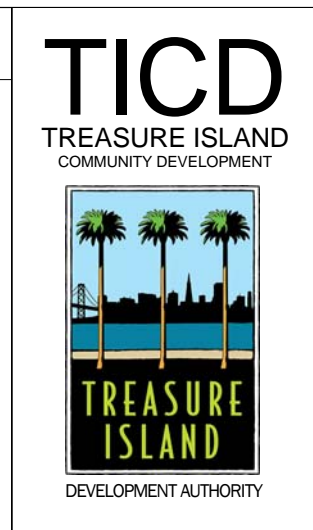
PROJECT NO:	LEN401
DRAWN BY:	REVISIONS
DATE:	03/01/2016
NO.	DESCRIPTION
CHK:	DATE:
BY:	DATE:

ENLARGED PLANS  
SHEET TITLE  
SCALE  
**A2.30**  
DRAWING NO.

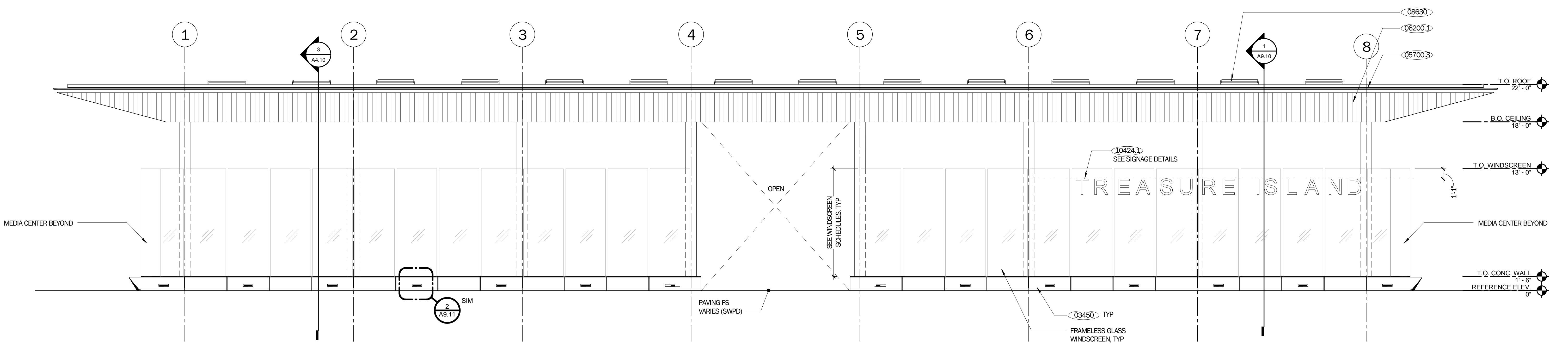
NOT FOR CONSTRUCTION

KEYNOTES	
03450	PRECAST CONCRETE LOW WALL
05700.3	FOLDED ALUMINUM PARAPET CAP AND FASCIA EDGE
06200.1	WOOD DECK CEILING
08630	SKYLIGHT
10424.1	SIGNAGE, DIMENSIONAL CHARACTERS
12520.3	FERRY SHELTER BENCH SEATING

ELEVATION NOTES	
1.	PAVERS FINISH SURFACE VARIES. REFERENCE ELEVATION 113.75' - 0 IS CIVIL SITE ELEVATION ON WATERFRONT PLAZA DRAWINGS, SWPD.
2.	SEE SHEET A11.10 FOR SIGNAGE GLASS PANEL SCHEDULE
3.	SEE A8.10 FOR WINDSCREEN GLASS PANEL SCHEDULE
4.	SEE A7.10 FOR MEDIA CENTER DETAILS
5.	REFERENCE ELEVATION OF '0' REFERS TO CIVIL SITE ELEVATION OF 113.75', SEE GENERAL NOTES A0.20.



**2 EAST**  
3/16" = 1'-0"



**1 WEST**  
3/16" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
 COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
 Ferry Shelter & Support Structures:  
 Ferry & Bus Shelters  
 PERMIT ISSUE

CHK	DATE	BY	DATE

FERRY SHELTER ELEVATIONS

SHEET TITLE  
SCALE

**A3.10**

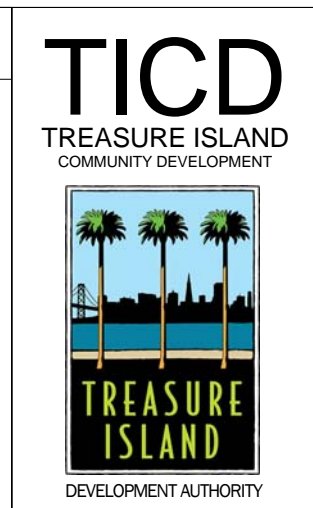
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NOT FOR CONSTRUCTION



KEYNOTES	
03450	PRECAST CONCRETE LOW WALL
05700.3	FOLDED ALUMINUM PARAPET CAP AND FASCIA EDGE
06200.1	WOOD DECK CEILING
08630	SKYLIGHT
10424.1	SIGNAGE, DIMENSIONAL CHARACTERS
16542	LUMINAIRE, SLTD

ELEVATION NOTES	
1.	PAVERS FINISH SURFACE VARIES. REFERENCE ELEVATION 113.75' = 0 IS CIVIL SITE ELEVATION ON WATERFRONT PLAZA DRAWINGS, SWPD.
2.	SEE SHEET A11.10 FOR SIGNAGE DETAILS, DIMENSIONS, AND FONT
3.	SEE A8.10 FOR WINDSCREEN GLASS PANEL SCHEDULE
4.	SEE A7.10 FOR MEDIA CENTER DETAILS
5.	REFERENCE ELEVATION OF '0' REFERS TO CIVIL SITE ELEVATION OF 113.75', SEE GENERAL NOTES A0.20.



LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
 CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

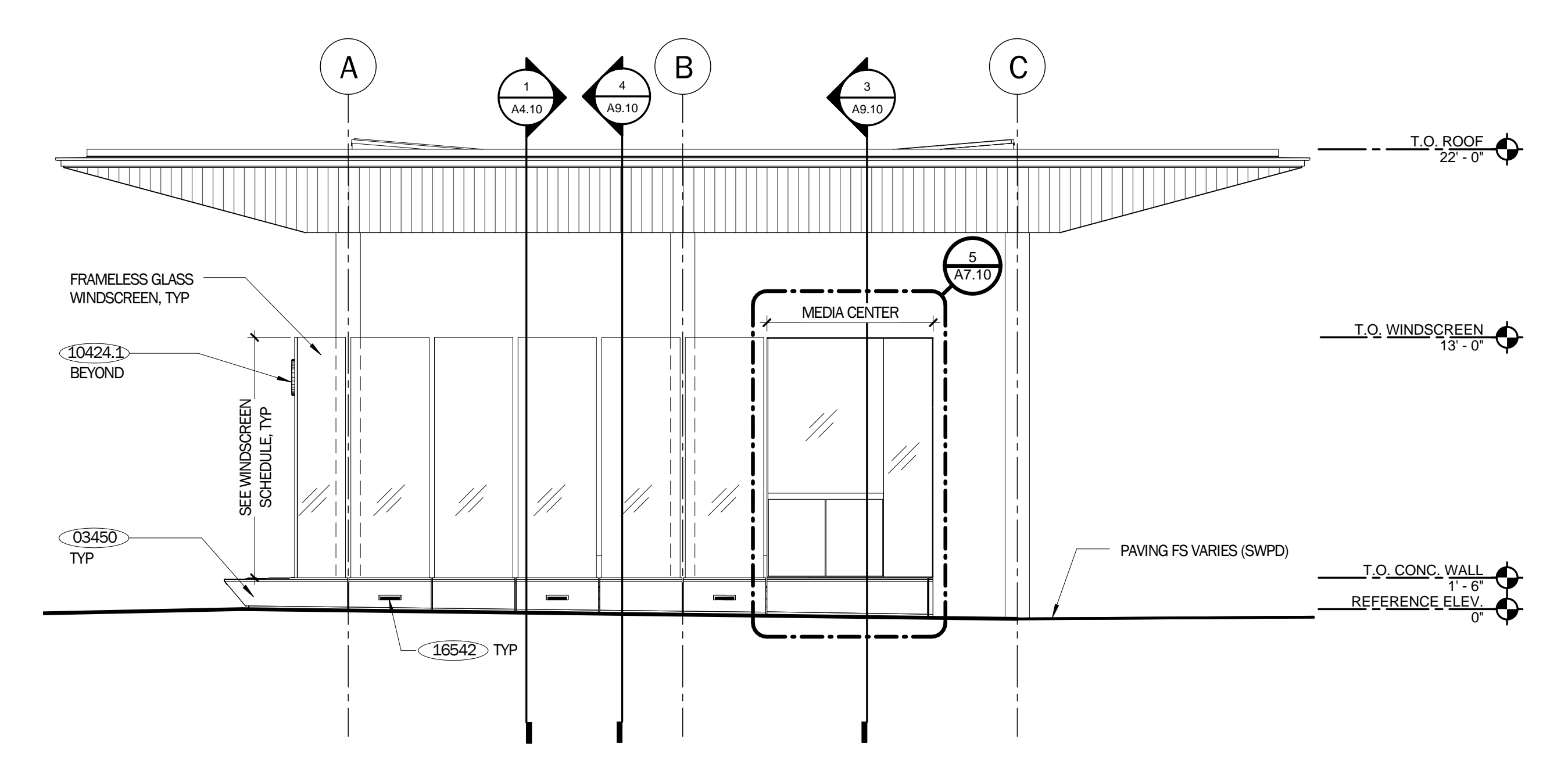
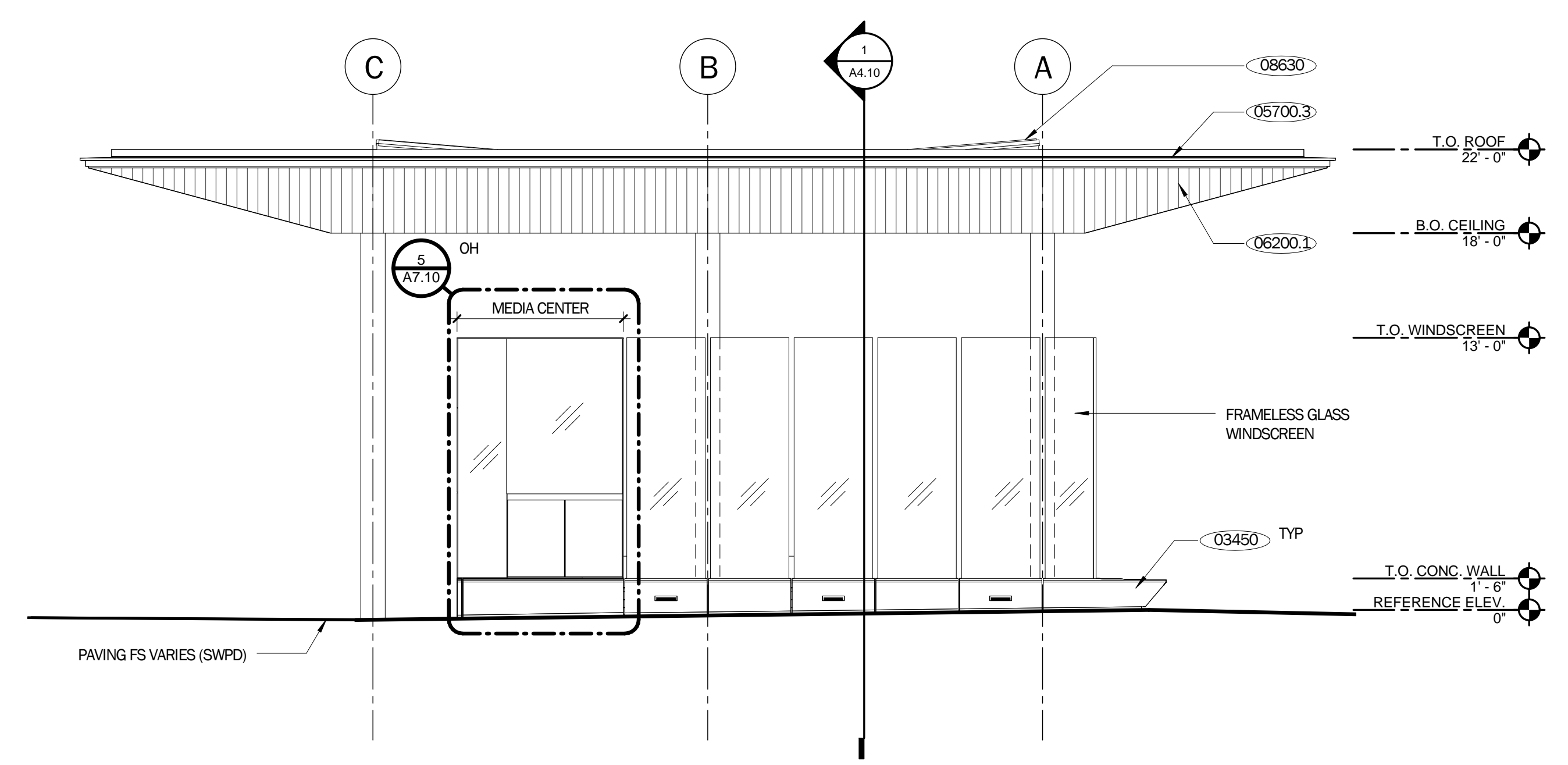
**PARKS**  
**Ferry Shelter & Support Structures:**  
**Ferry & Bus Shelters**  
**PERMIT ISSUE**

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
DATE:	03/01/2016
NO.	DESCRIPTION
CHK:	DATE:
BY:	DATE:

FERRY SHELTER ELEVATIONS  
 SHEET TITLE  
 SCALE

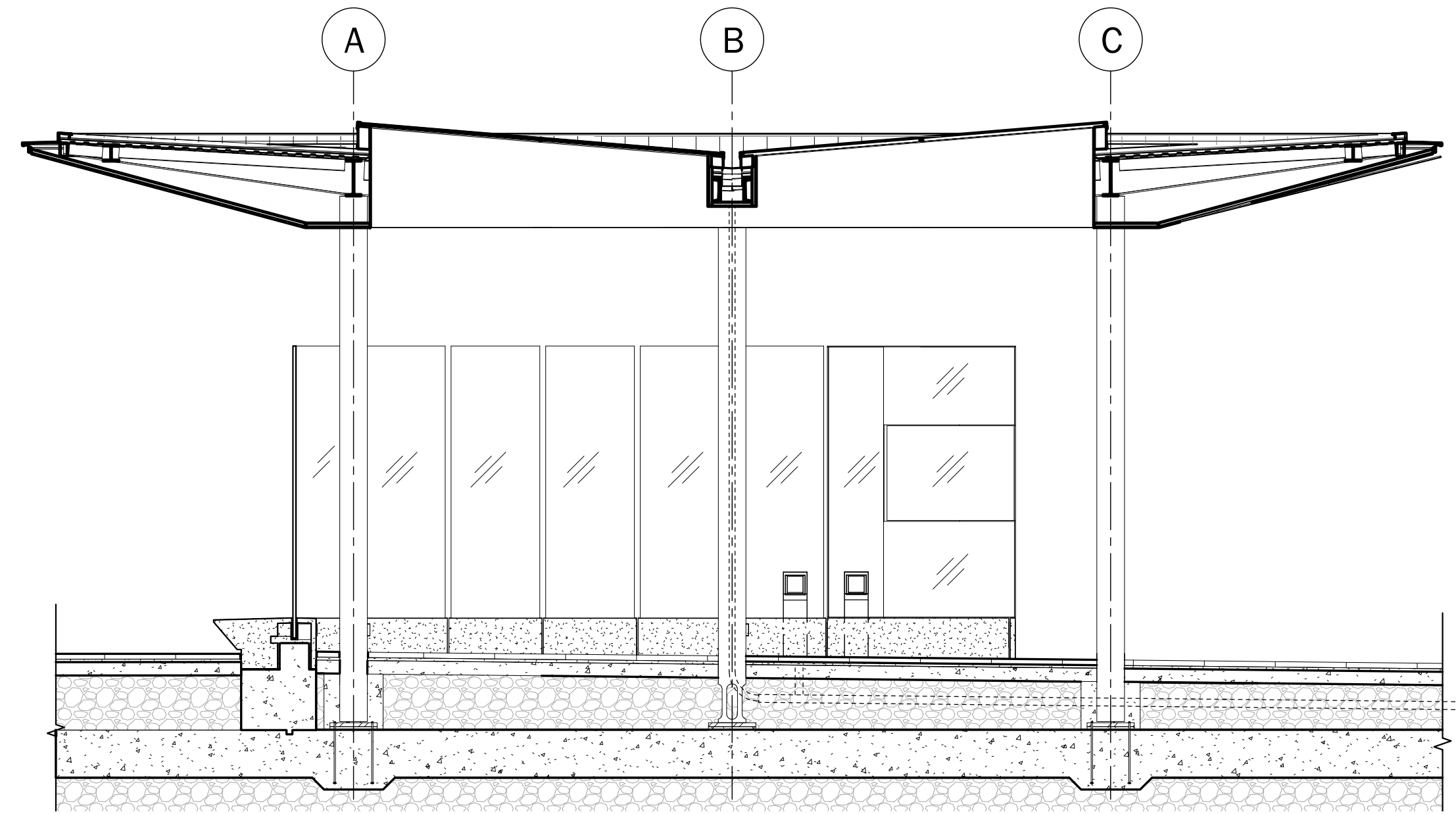
**A3.11**  
 DRAWING NO.

NOT FOR CONSTRUCTION



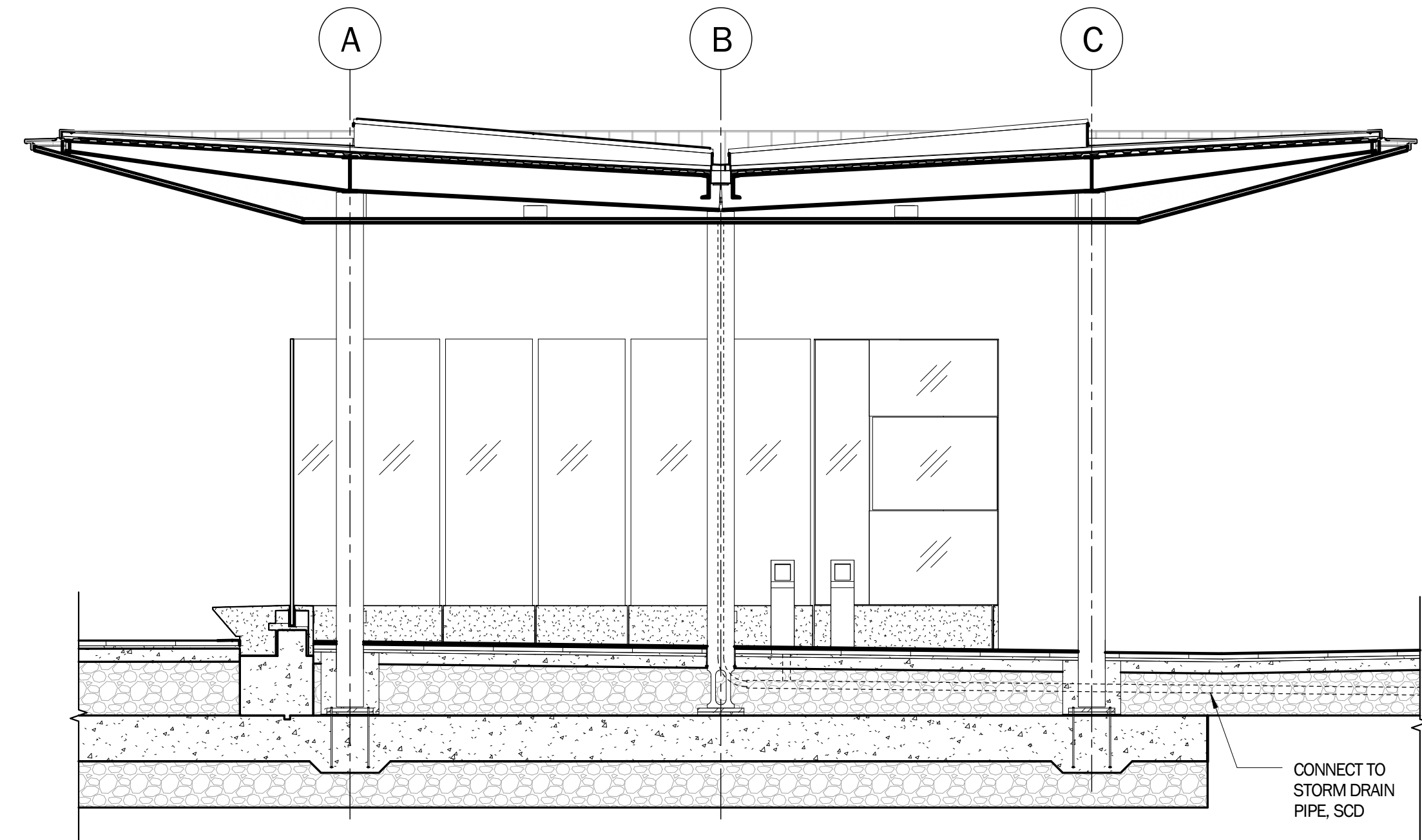
C:\Users\handy\Documents\A\_11 FERRY SHELTER\_2015\Cenral\_10\dlw@treasureisland.com.v4

NOTE: LANDSCAPING, PAVING, SUBSLAB & SUBGRADE BY OTHERS. PROVIDED FOR REFERENCE ONLY.



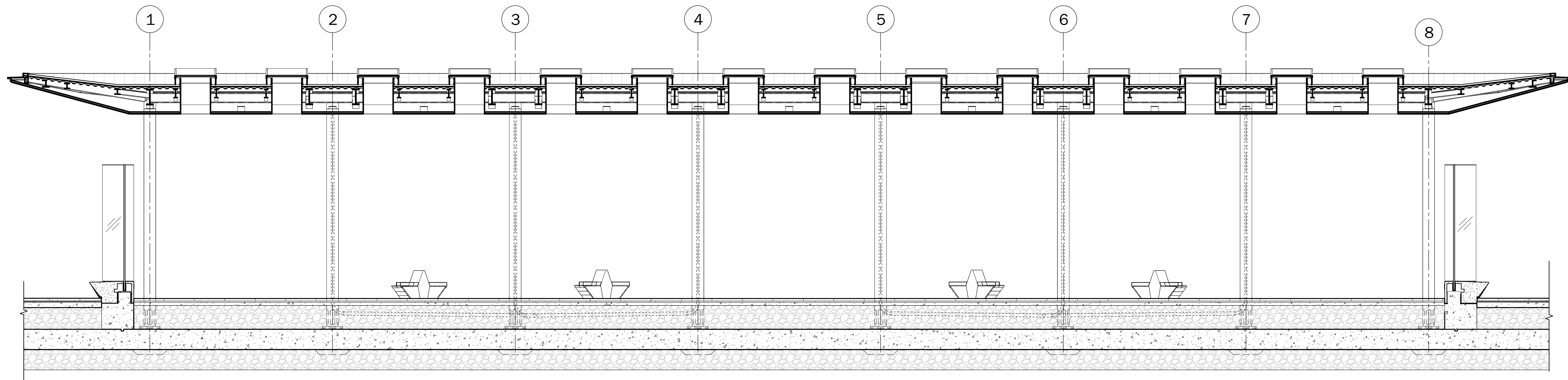
**3 WEST-EAST SECTION @ SKYLIGHTS**  
3/16" = 1'-0"

NOTE: LANDSCAPING, PAVING, SUBSLAB & SUBGRADE BY OTHERS. PROVIDED FOR REFERENCE ONLY.



**2 WEST-EAST SECTION BETWEEN SKYLIGHTS**  
3/16" = 1'-0"

NOTE: LANDSCAPING, PAVING, SUBSLAB & SUBGRADE BY OTHERS. PROVIDED FOR REFERENCE ONLY.



**1 NORTH-SOUTH SECTION**  
3/16" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
NO.	DESCRIPTION
CHK:	DATE:
DATE:	03/31/2016
BY:	
DATE:	

FERRY  
SHELTER  
SECTIONS

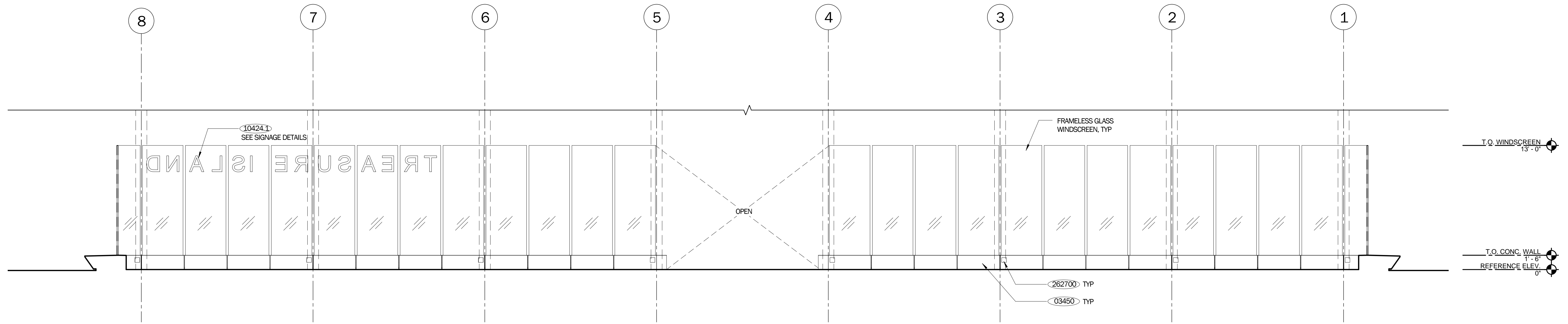
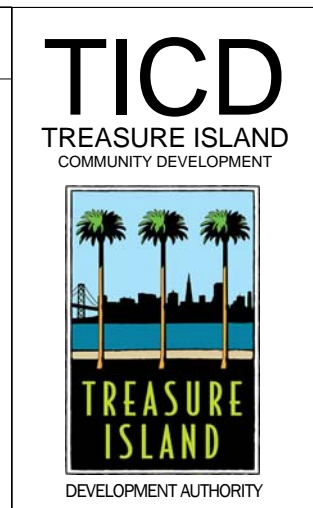
SHEET TITLE  
SCALE

**A4.10**

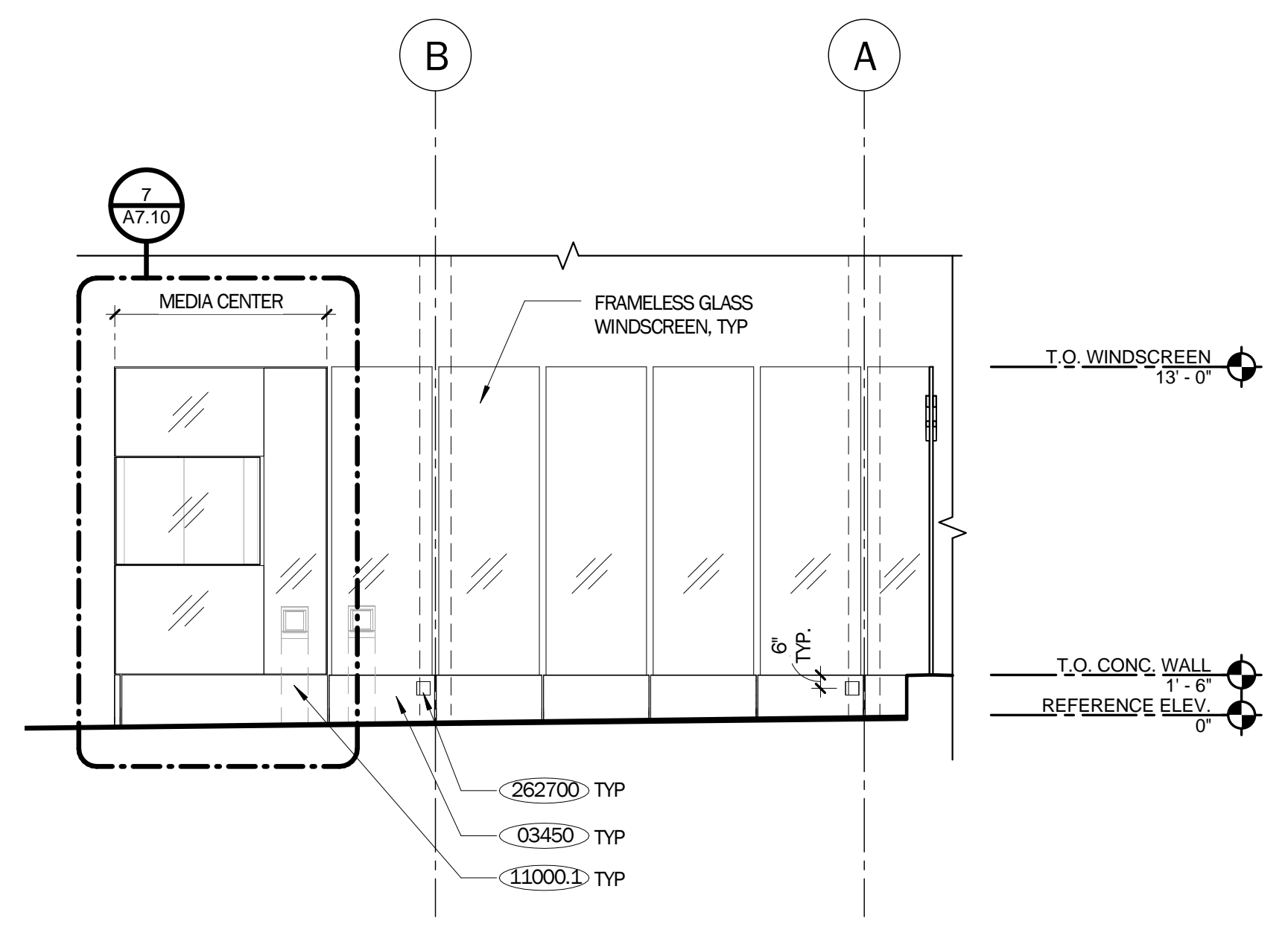
DRAWING NO.

KEYNOTES	
03450	PRECAST CONCRETE LOW WALL
10424.1	SIGNAGE, DIMENSIONAL CHARACTERS
11000.1	TICKETING MACHINES (CLIPPER CARD KIOSK), NIC
262700	OUTLET, SED

INTERIOR ELEVATION NOTES
1. PAVERS FINISH SURFACE VARIES. REFERENCE ELEVATION 113.75' = 0 IS CIVIL SITE ELEVATION ON WATERFRONT PLAZA DRAWINGS, SWPD.
2. SEE SHEET A11.10 FOR SIGNAGE DETAILS, DIMENSIONS, FONT.
3. SEE A7.10 FOR WINDSCREEN GLASS PANEL SCHEDULE
4. REFERENCE ELEVATION OF "0" REFERS TO CIVIL SITE ELEVATION OF 113.75'; SEE GENERAL NOTES A0.20.



**2** INTERIOR ELEVATION - WINDSCREEN - WEST  
3/16" = 1'-0"



**1** INTERIOR SOUTH (INTERIOR NORTH OH)  
3/16" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
 COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
**Ferry Shelter & Support Structures:**  
**Ferry & Bus Shelters**  
**PERMIT ISSUE**

PROJECT NO.	CHK	DATE	BY	DATE
LEN1401		03/31/2016		
DRAWN BY:	REVISIONS			
	DESCRIPTION			

INTERIOR ELEVATIONS

SHEET TITLE  
SCALE

**A5.00**

DRAWING NO.

NOT FOR CONSTRUCTION

LIGHTING SCHEDULE	
FX1	RECESSED DOWNLIGHT FIXTURE (SLTD), MANUFACTURER TO MATCH KYNAR RAL 7048

REFLECTED CEILING KEYNOTES	
05700.1	SKYLIGHT SURROUND
05700.3	FOLDED ALUMINUM PARAPET CAP AND FASCIA EDGE
06200.1	WOOD DECK CEILING
260900	MOTION SENSORS, SED

**REFLECTED CEILING PLAN NOTES**

- ALL FINISHES TO BE OUTDOOR GRADE - FOR MARINE EXPOSURE ENVIRONMENTS.
- ALL SURFACES TO BE CLOSED INCLUDING CEILING EDGES AND RETURNS.
- ALL RAIN WATER LEADERS AND DRAINS TO BE CONCEALED AND ROUTED THROUGH NON-STRUCTURAL COLUMNS.
- FOR CEILING LAYOUT PLAN, SEE **A10.10**.
- SEE FLOOR PLAN FOR NON-STRUCTURAL COLUMN DESIGNATION.

**LIGHTING NOTES**

- PROVIDE EGRESS LIGHTING AS REQUIRED - INCLUDING EMERGENCY ILLUMINATION, DIRECTIONAL LIGHTING & PATH LIGHTING AS REQUIRED (SLTD).
- ALL LAMPS SHALL BE IDENTICAL IN COLOR & FROM A SINGLE MANUFACTURER WHEN INSTALLED IN THE SAME FIXTURE TYPE.
- ELECTRICAL ENGINEER SHALL BE RESPONSIBLE FOR EMERGENCY LIGHTING SPECIFICATIONS AND CALCULATIONS REQUIRED BY GOVERNING JURISDICTION, SLTD.

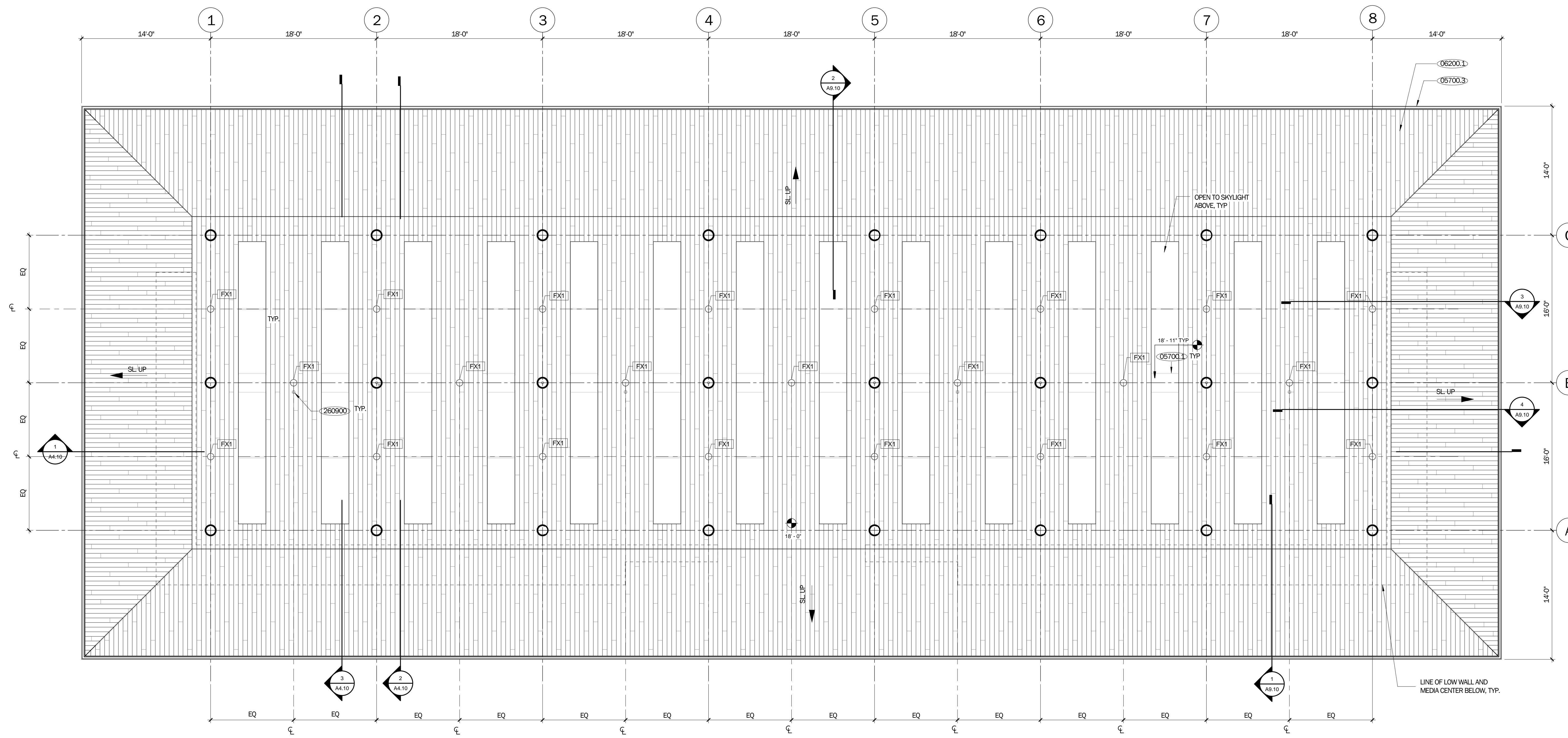
**WOOD CEILING NOTES**

- WOOD FOR CEILING MUST MEET SAN FRANCISCO DBI INFORMATION SHEET FS 01 COMBUSTIBILITY REQUIREMENTS.
- PROVIDE CONTROL JOINT IN GYPSUM SHEATHING FOR EVERY 900 SQ. FT. MAX. SEE CEILING DETAILS.
- CEILING SUPPORT SYSTEM:  
USE A1000 UNISTRUT MEMBERS @ 3'-0" OC  
PROVIDE LATERAL BRACING @ 6'-0" OC, & PROVIDE SEISMIC BRACING HARDWARE.

REFLECTED CEILING PLAN LEGEND	
	IPE WOOD CEILING SEE IPE CEILING BOARD PROFILE, A10.11 PROVIDE 1 COAT FINISH AGING STAIN ON ALL SURFACES OF BOARD
	LIGHT FIXTURE AND TAG, SLTD
	STEEL COLUMN, SEE FLOOR PLAN & SSD
	OCCUPANCY SENSOR, SED
	ELEVATION (ABOVE REFERENCE ELEVATION)



**DE+**  
DILWORTH ELIOT STUDIO  
1066 HOWARD ST  
SAN FRANCISCO, CA 94103



LICENSE STAMP

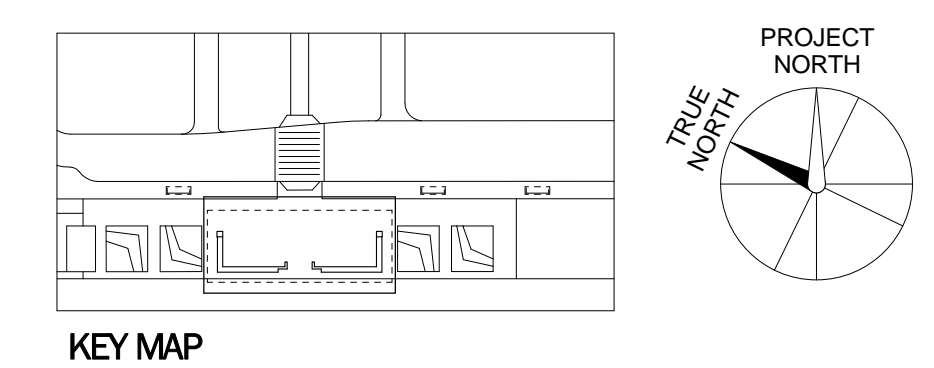
TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE**

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
DATE:	03/31/2016
BY:	DATE
NO.	DESCRIPTION

FERRY SHELTER REFLECTED CEILING PLAN  
SHEET TITLE  
SCALE

**A6.10**  
DRAWING NO.



**1 FERRY SHELTER REFLECTED CEILING PLAN**  
3/16" = 1'-0"

C:\Users\handy\Documents\A\_11 FERRY SHELTER\_2015 Central.dwg @ 03/31/2016 10:51:00 AM

NOT FOR CONSTRUCTION

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO. LEN1401	DATE: 03/01/2016	BY:	DATE:
DRAWN BY:	REVISIONS	NO.	DESCRIPTION

BUS/SHUTTLE  
SHELTER  
FLOOR PLAN  
AND CANOPY  
PLAN

SHEET TITLE  
SCALE

**A7.00**

DRAWING NO.

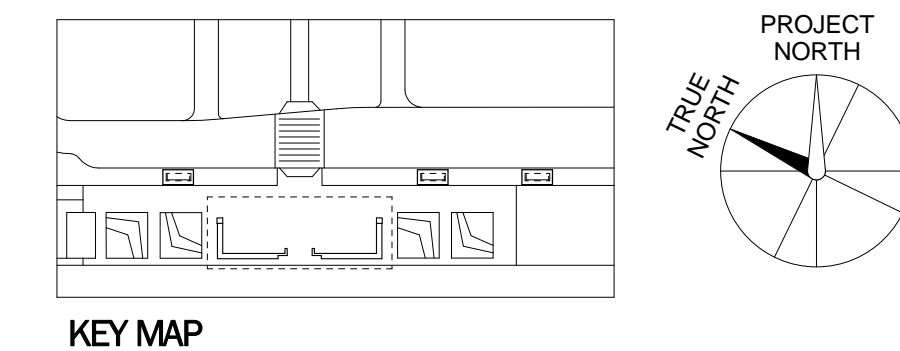
KEYNOTES

05700.3	FOLDED ALUMINUM PARAPET CAP AND FASCIA EDGE
05700.5	FOLDED ALUMINUM PANEL
11000.4	BUS OR SHUTTLE SHELTER SIGN, NIC. SIGN TYPE 113 (BUS SHELTER BLADE), SSID

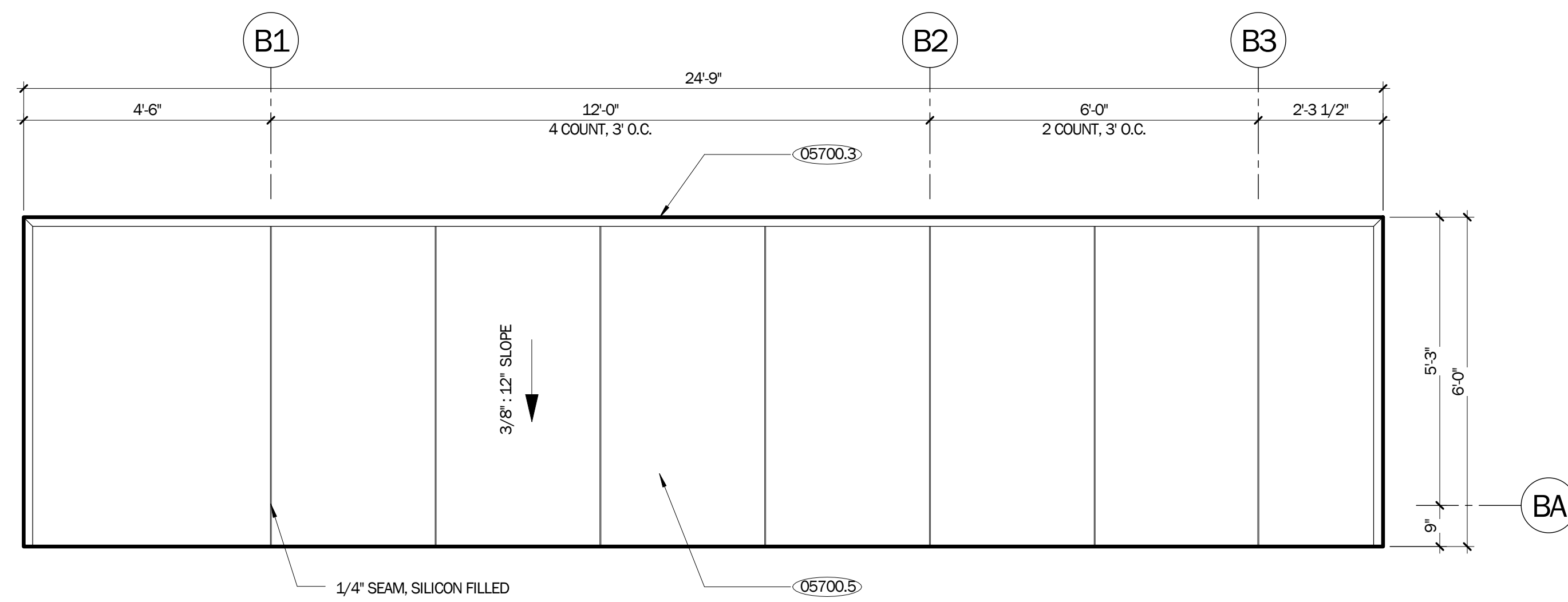
- BUS/SHUTTLE SHELTER NOTES
- SEE SITE PLAN FOR BUS/SHUTTLE SHELTER LOCATIONS
  - LANDSCAPING AND PLANTED AREAS NIC, SWPD
  - SITE LIGHTING NIC, SWPD
  - ALL PUBLIC ACCESS AREAS TO BE ADA ACCESSIBLE INCLUDING SEATED AREAS AND AREAS OF SERVICE
  - SITE DRAINAGE AND RETENTION NIC, SWPD
  - SITE ELECTRICAL SERVICE AND DISTRIBUTION BY OTHERS
  - STEEL COLUMNS, BEAMS, & CONNECTIONS @ BUS/SHUTTLE SHELTER SHALL BE HDG. B/METAL PREF. W/ (3) COATS TNEMIC PAINT(SEE SPECS). AESS @ ALL EXPOSED STEEL FRAMING & CONNECTIONS
  - PROVIDE ALLOWANCE FOR BIRD CONTROL SYSTEMS AT BUS/SHUTTLE SHELTER ROOF & ON TOP OF WINDSCREEN & TRANSIT DISPLAY SYSTEMS
  - SWPD FOR JOINT TRENCH DETAILS

PLAN LEGEND

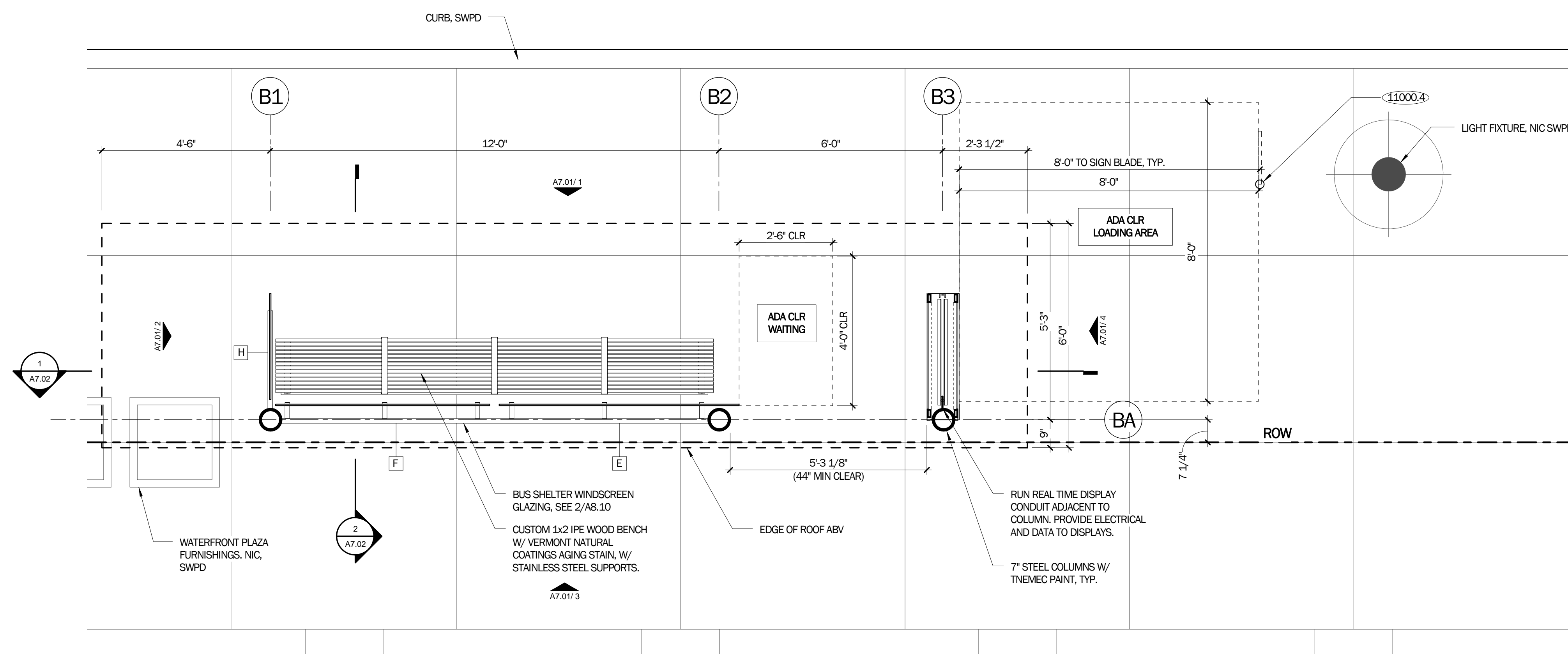
X	GLASS WINDSCREEN PANEL TYPE
O	COLUMN, SSD
- - -	RIGHT OF WAY (ROW)



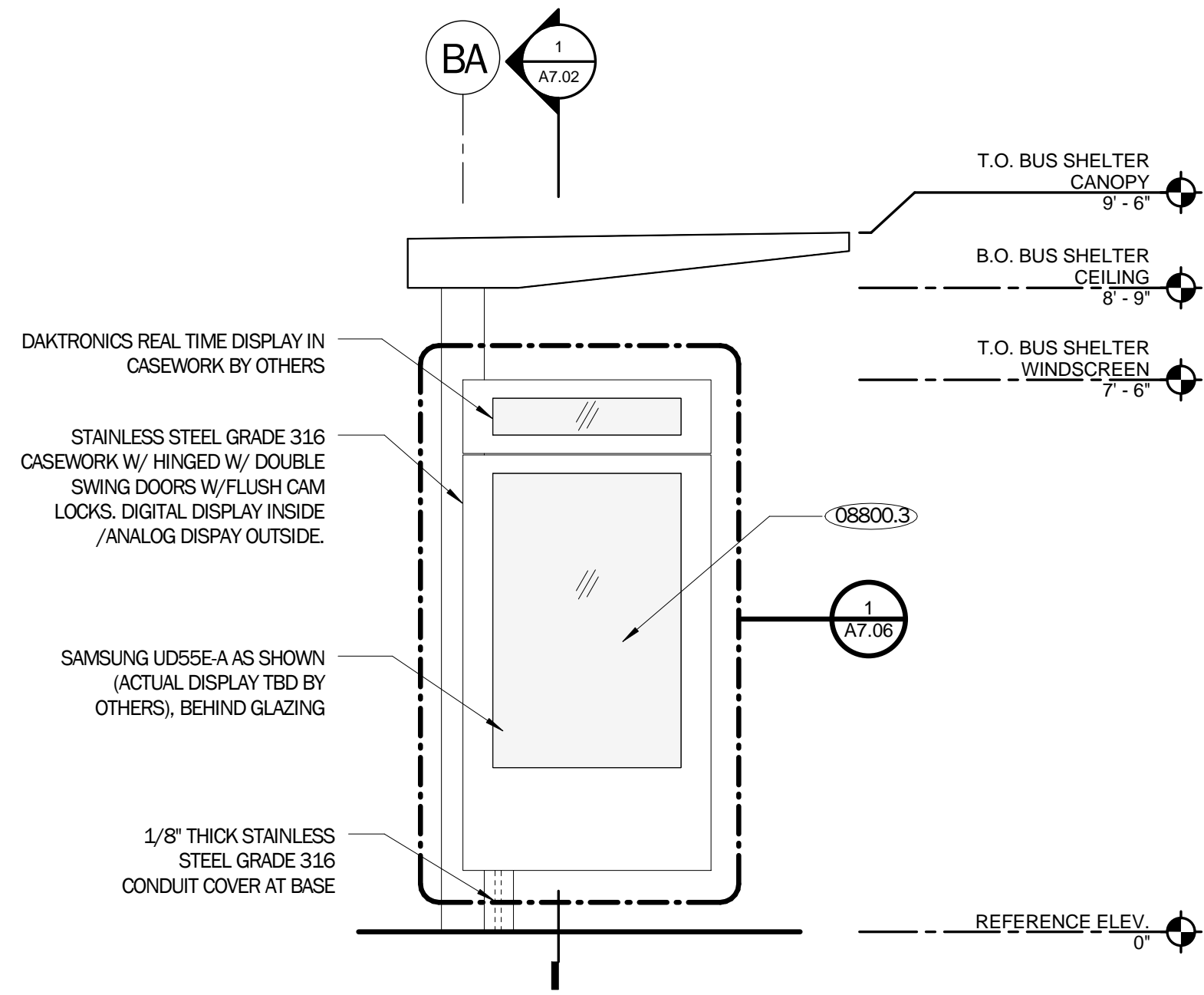
NOT FOR CONSTRUCTION



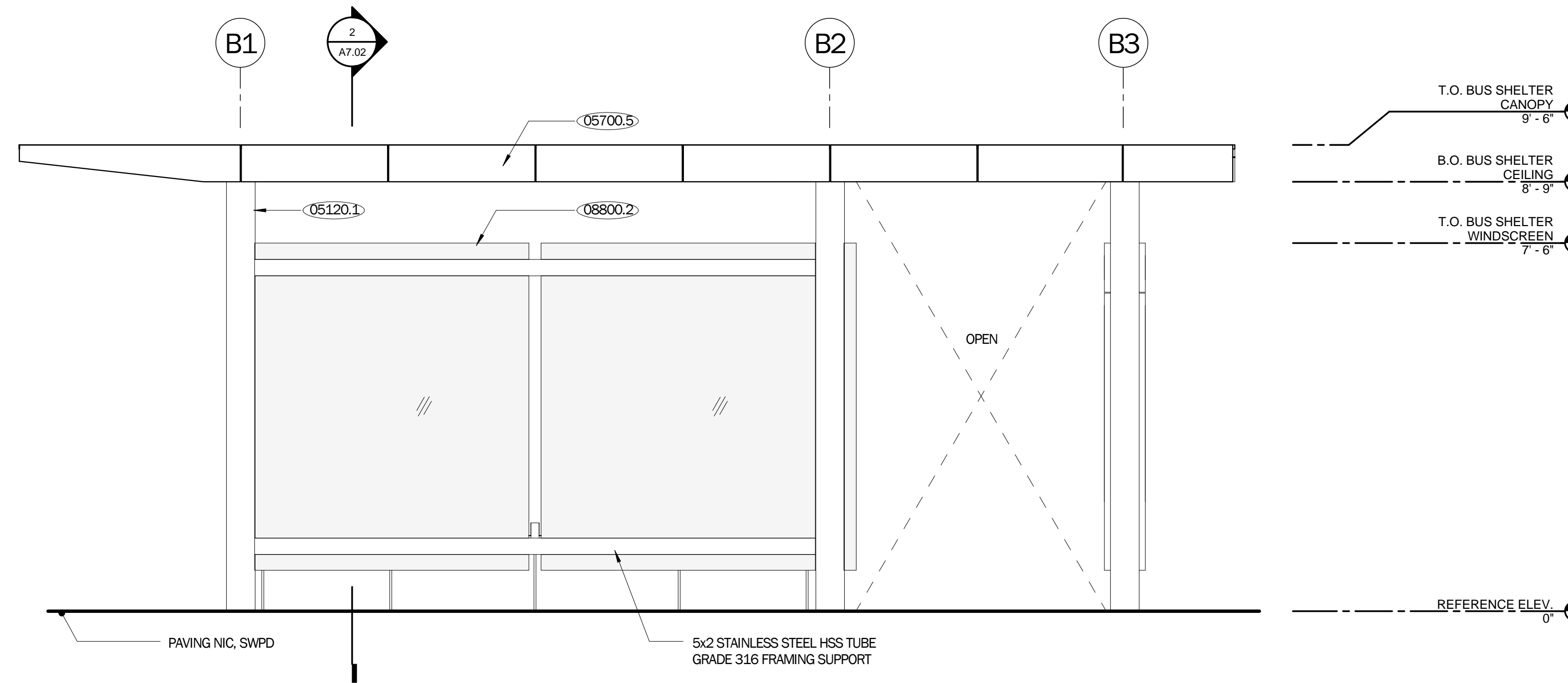
**2 BUS/SHUTTLE SHELTER CANOPY PLAN**  
1/2" = 1'-0"



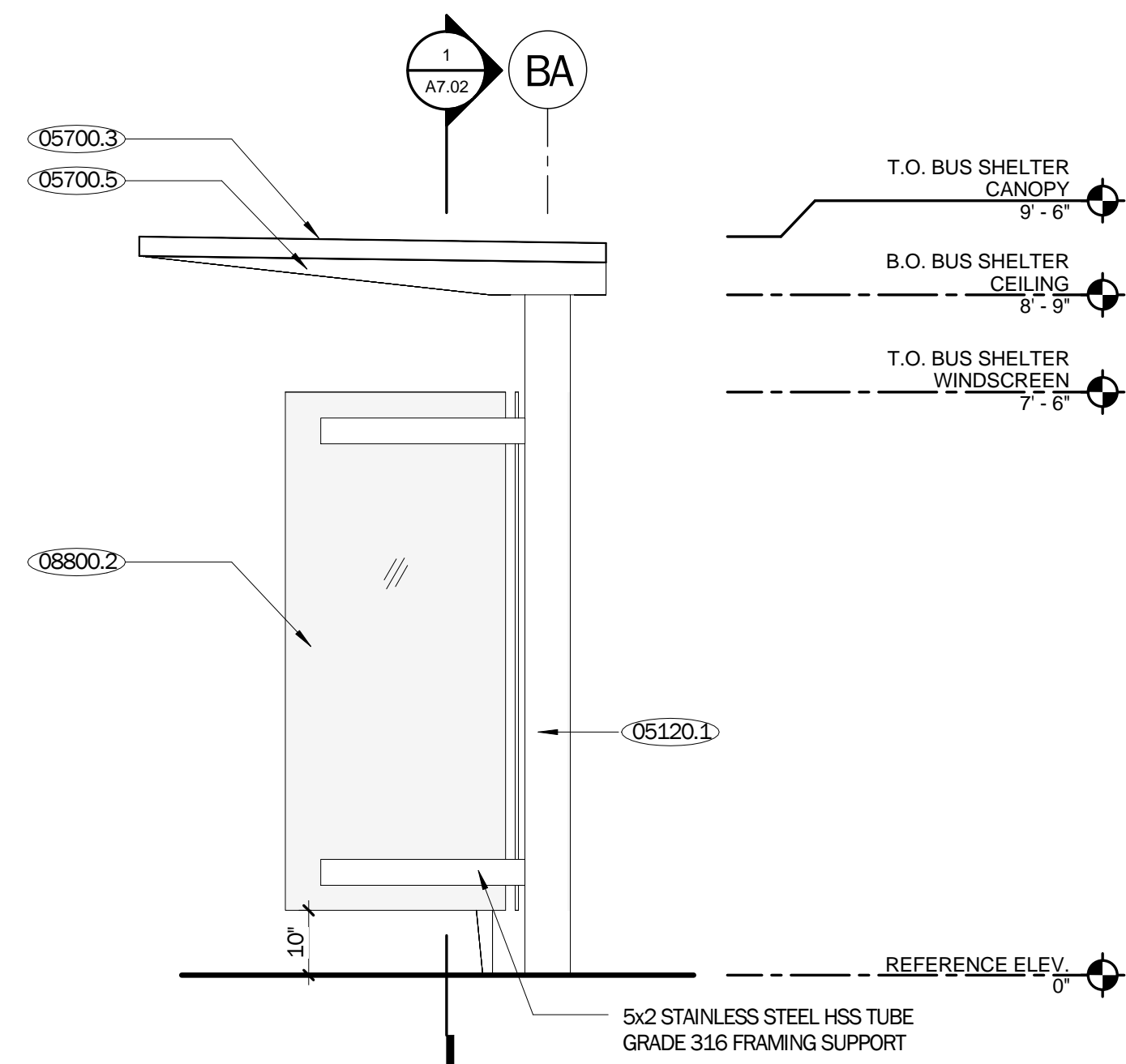
**1 BUS/SHUTTLE SHELTER FLOOR PLAN**  
1/2" = 1'-0"



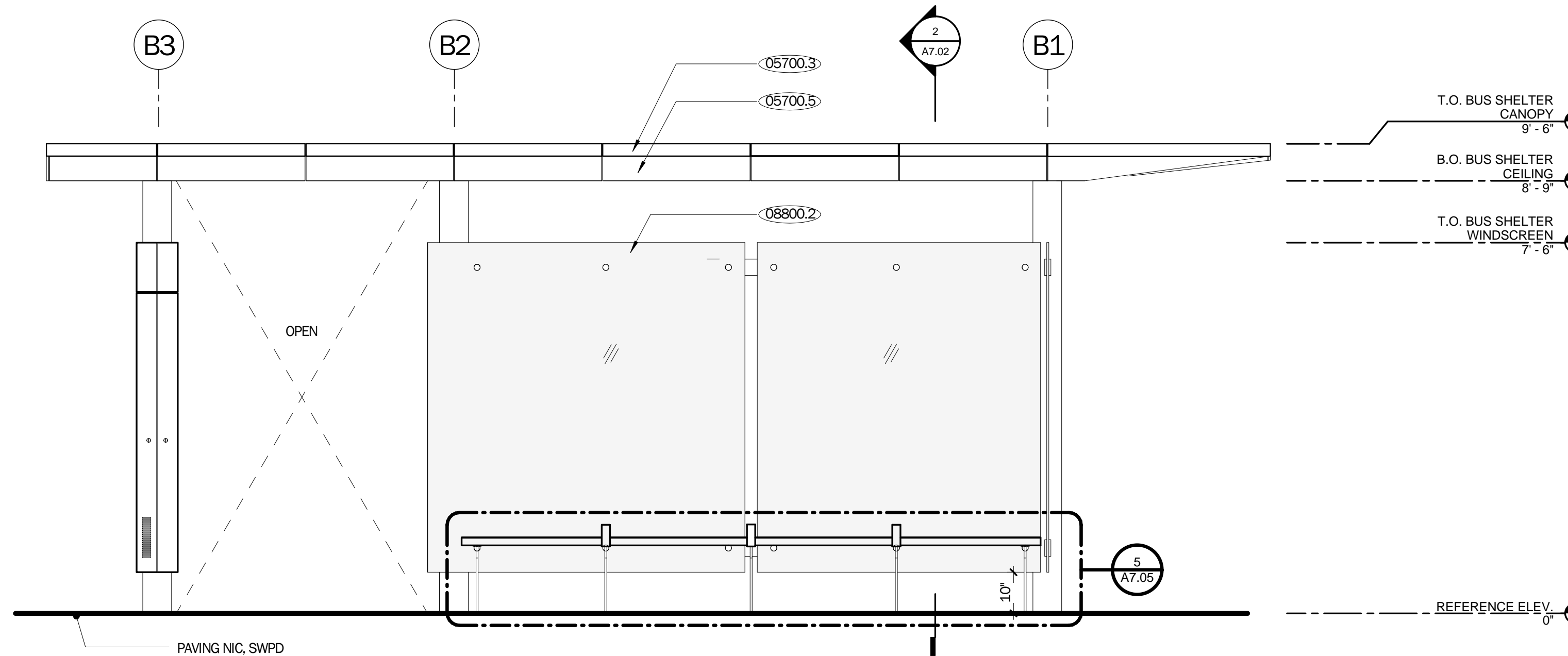
**4 BUS/SHUTTLE SHELTER - SOUTH**  
1/2" = 1'-0"



**3 BUS/SHUTTLE SHELTER - WEST**  
1/2" = 1'-0"



**2 BUS/SHUTTLE SHELTER - NORTH**  
1/2" = 1'-0"

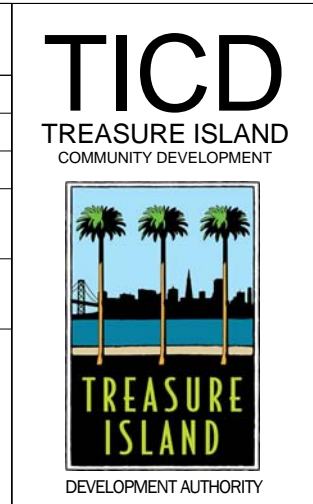


**1 BUS/SHUTTLE SHELTER - EAST**  
1/2" = 1'-0"

**KEYNOTES**

05120.1	STEEL COLUMN, SSD
05700.3	FOLDED ALUMINUM PARAPET CAP AND FASCIA EDGE
05700.5	FOLDED ALUMINUM PANEL
08800.2	TYPE B GLAZING: LAMINATED GLASS (BUS/SHUTTLE SHELTER WINDSCREEN)
08800.3	TYPE C GLAZING: LAMINATED GLASS (SKYLIGHT, MEDIA CENTER, BUS/SHUTTLE SHELTER DISPLAY)

- NOTES**
- SEE A8.10 FOR BUS/SHUTTLE SHELTER WINDSCREEN SCHEDULE
  - FOR BUS/SHUTTLE SHELTER ELEVATIONS ONLY, REFERENCE ELEVATION OF "0" REFERS TO TOP OF PAVING @ BUS / SHUTTLE SHELTER LOCATIONS. SWPD GRADING PLAN



LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS Ferry Shelter & Support Structures: Ferry & Bus Shelters PERMIT ISSUE**

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
DATE:	03/31/2016
NO.	DESCRIPTION
CHK:	DATE:
BY:	DATE:

BUS/SHUTTLE SHELTER ELEVATIONS  
SHEET TITLE  
SCALE

**A7.01**  
DRAWING NO.

NOT FOR CONSTRUCTION

C:\Users\handy\Documents\A711 FERRY SHELTER\_2015\Central\_A711.dwg

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEN1401	CHK:	
DRAWN BY:	REVISIONS	DATE:	03/31/2016
NO.	DESCRIPTION	BY:	
		DATE:	

BUS/SHUTTLE  
SHELTER  
SECTIONS

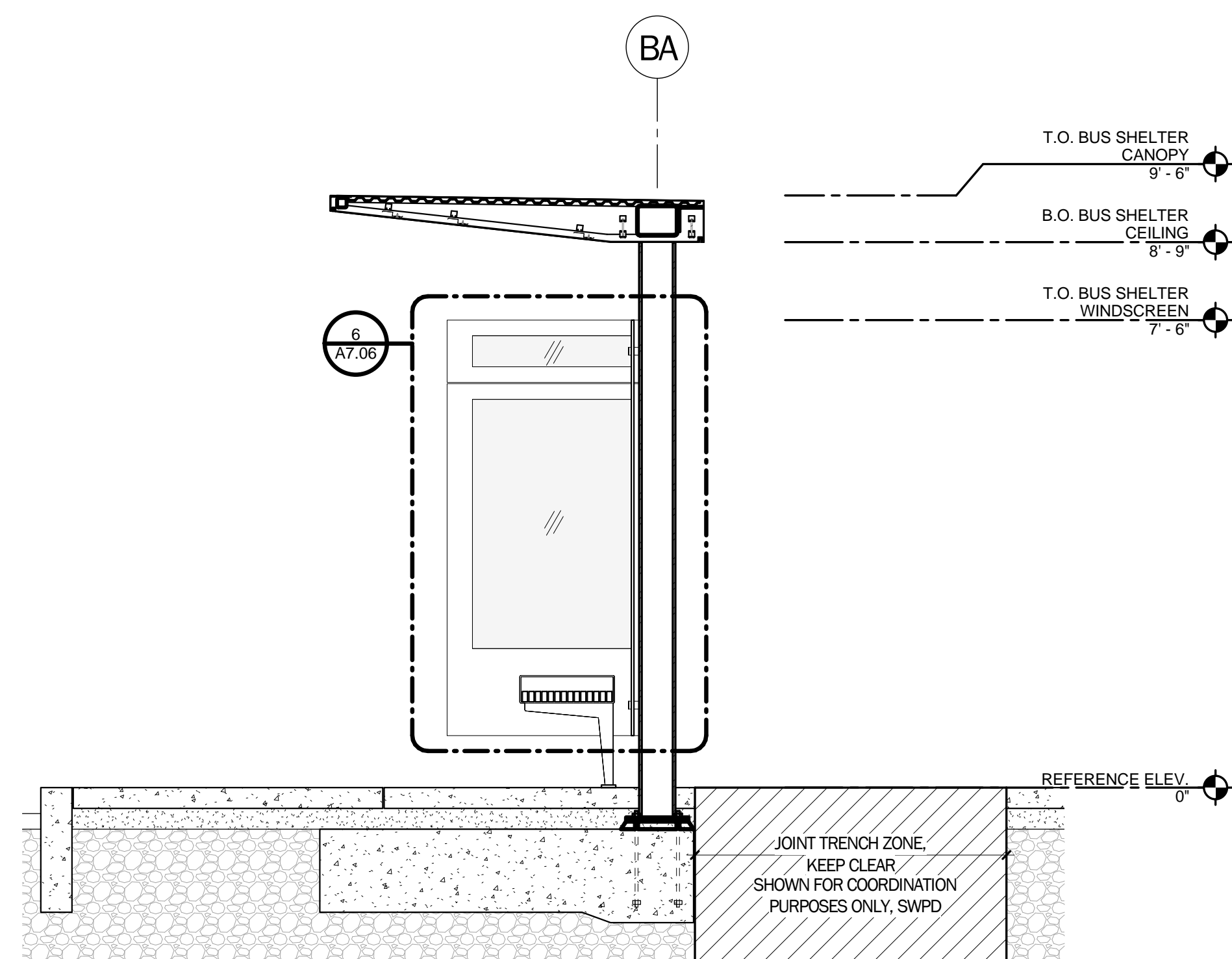
SHEET TITLE  
SCALE

**A7.02**

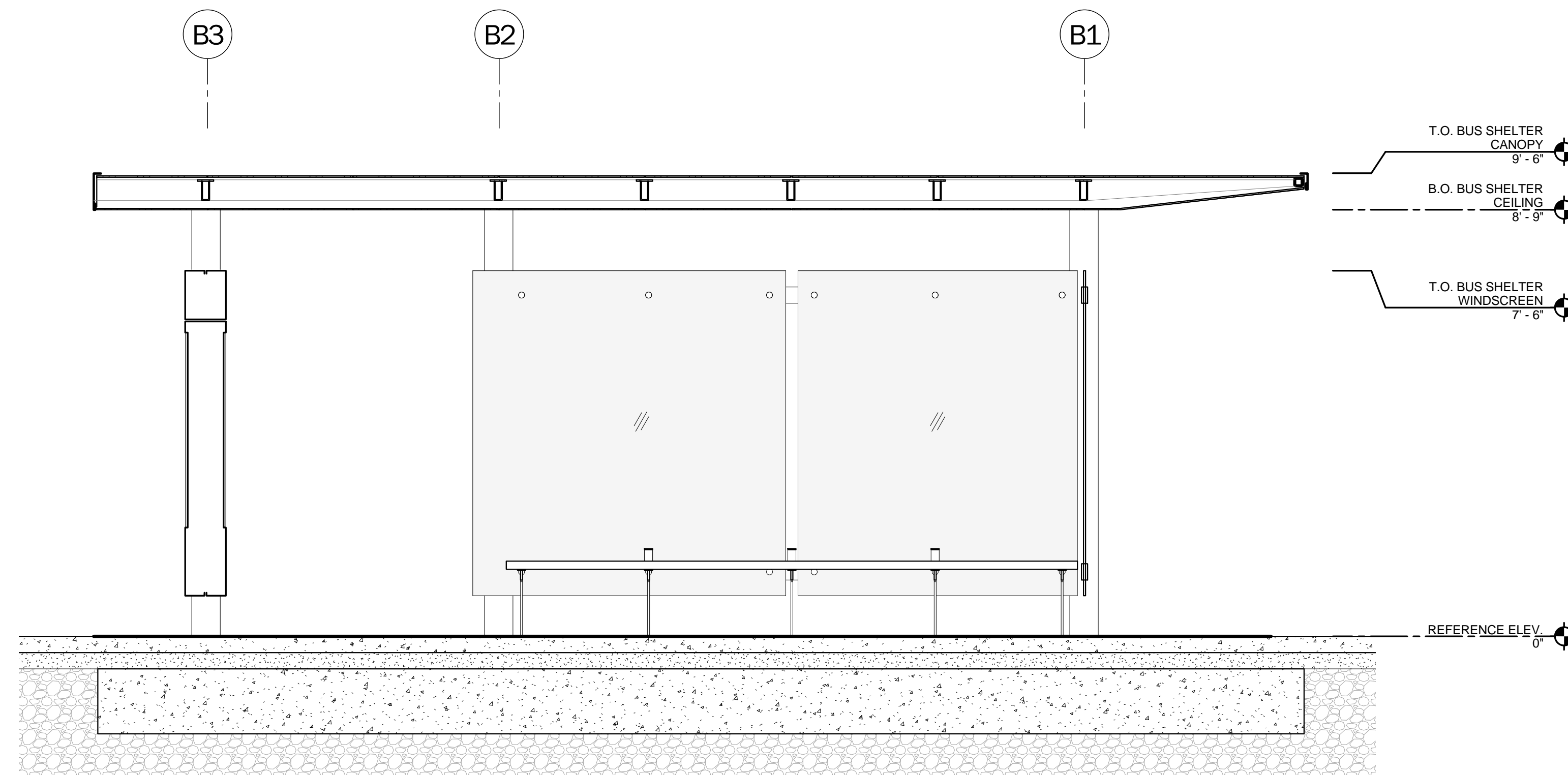
DRAWING NO.

NOT FOR CONSTRUCTION

NOTE: LANDSCAPING, PAVING, SUBSLAB & SUBGRADE BY OTHERS. PROVIDED FOR REFERENCE ONLY.  
- SSD FOR BUS SHELTER MAT SLAB DETAILS  
- FOR BUS/SHUTTLE SHELTER ELEVATIONS ONLY, REFERENCE ELEVATION OF "0" REFERS TO TOP OF PAVING @ BUS / SHUTTLE SHELTER LOCATIONS, SWPD GRADING PLAN



**2 WEST-EAST SECTION BUS/SHELTER SHELTER**  
1/2" = 1'-0"



**1 NORTH-SOUTH SECTION BUS/SHUTTLE SHELTER**  
1/2" = 1'-0"

PROJECT NO:	LENH401
DRAWN BY:	REVISIONS
DATE:	03/31/2016
NO.	DESCRIPTION
BY:	
DATE:	

BUS/SHUTTLE  
SHELTER  
REFLECTED  
CEILING PLAN

SHEET TITLE  
SCALE

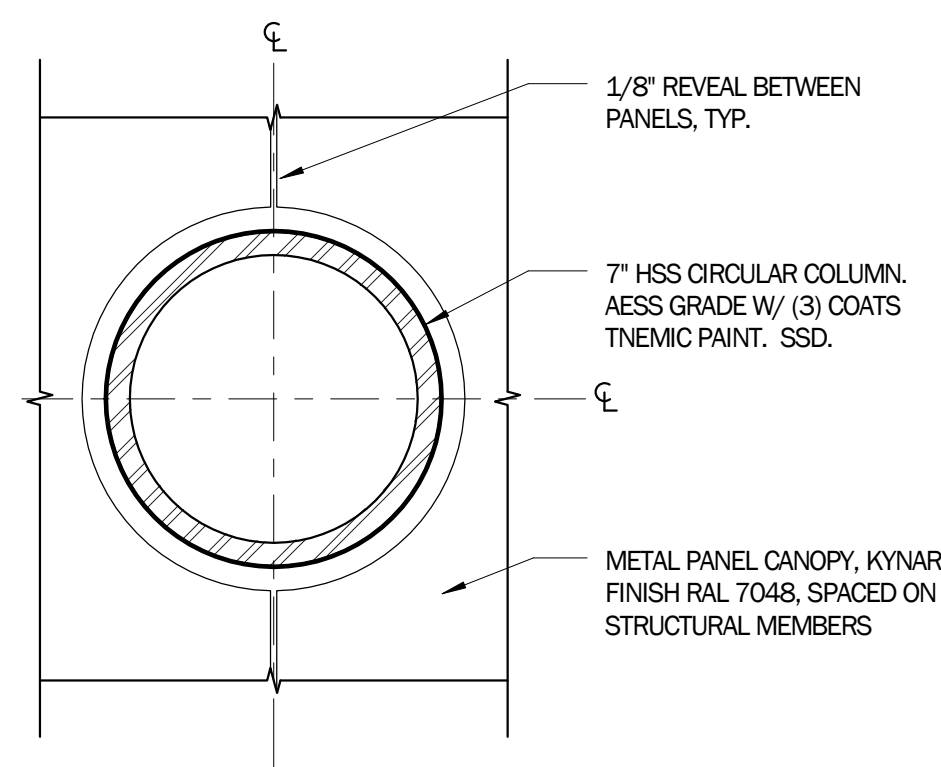
**A7.03**

DRAWING NO.

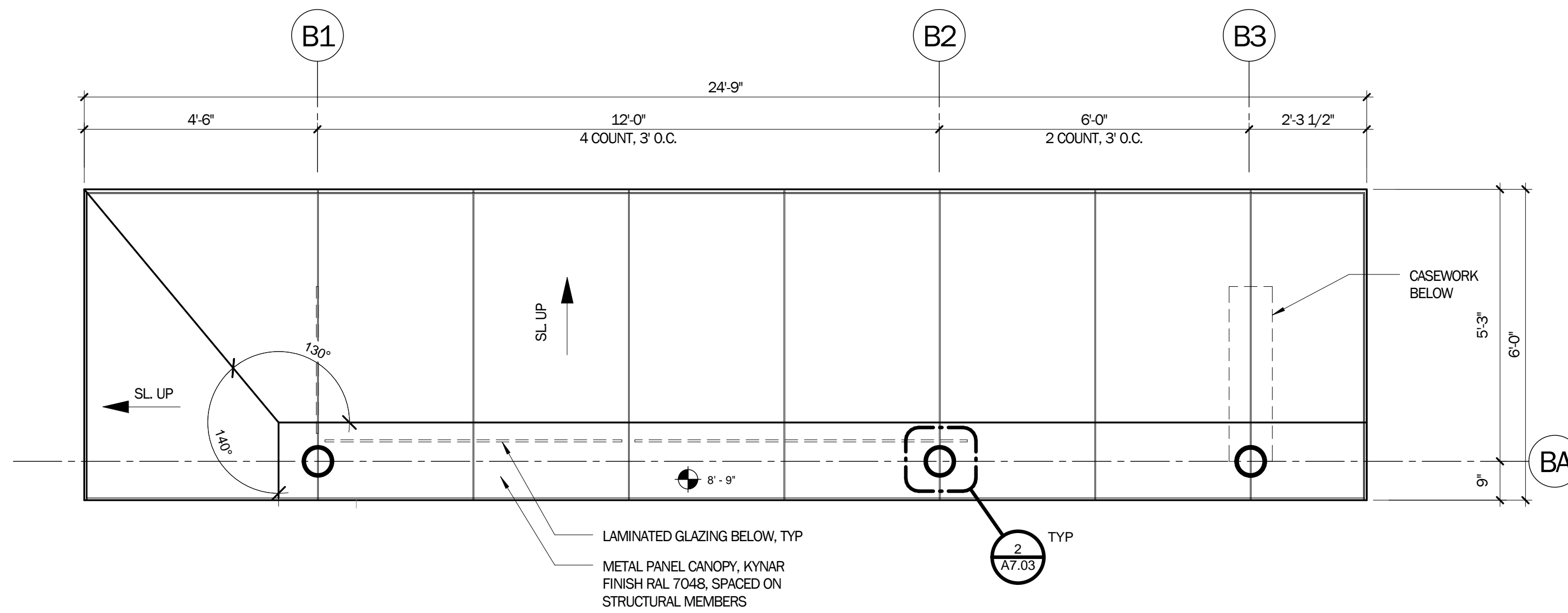
NOT FOR CONSTRUCTION

NOTES

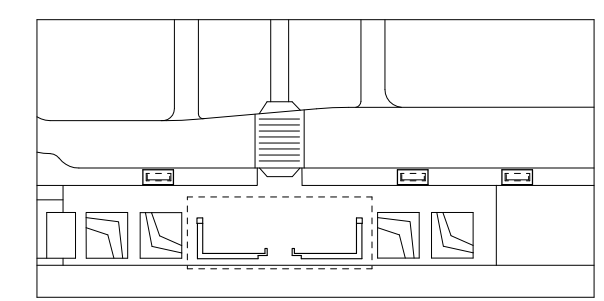
- NOTES: RCP
1. ALL FINISHES TO BE OUTDOOR GRADE - FOR MARINE ENVIRONMENTS.
  2. ALL SURFACES TO BE CLOSED INCLUDING SOFFIT EDGES AND RETURNS



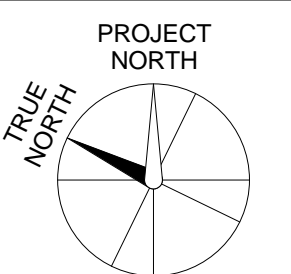
**2** CEILING @ SS COLUMN  
3" = 1'-0"



**1** BUS / SHUTTLE SHELTER REFLECTED CEILING PLAN  
1/2" = 1'-0"



KEY MAP





LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Public Restroom:  
50% CD

PROJECT NO:	LEN1401	CHK:	DATE:	03/31/2016
DRAWN BY:	Author	REVISIONS	BY	DATE
NO.	DESCRIPTION	Author		

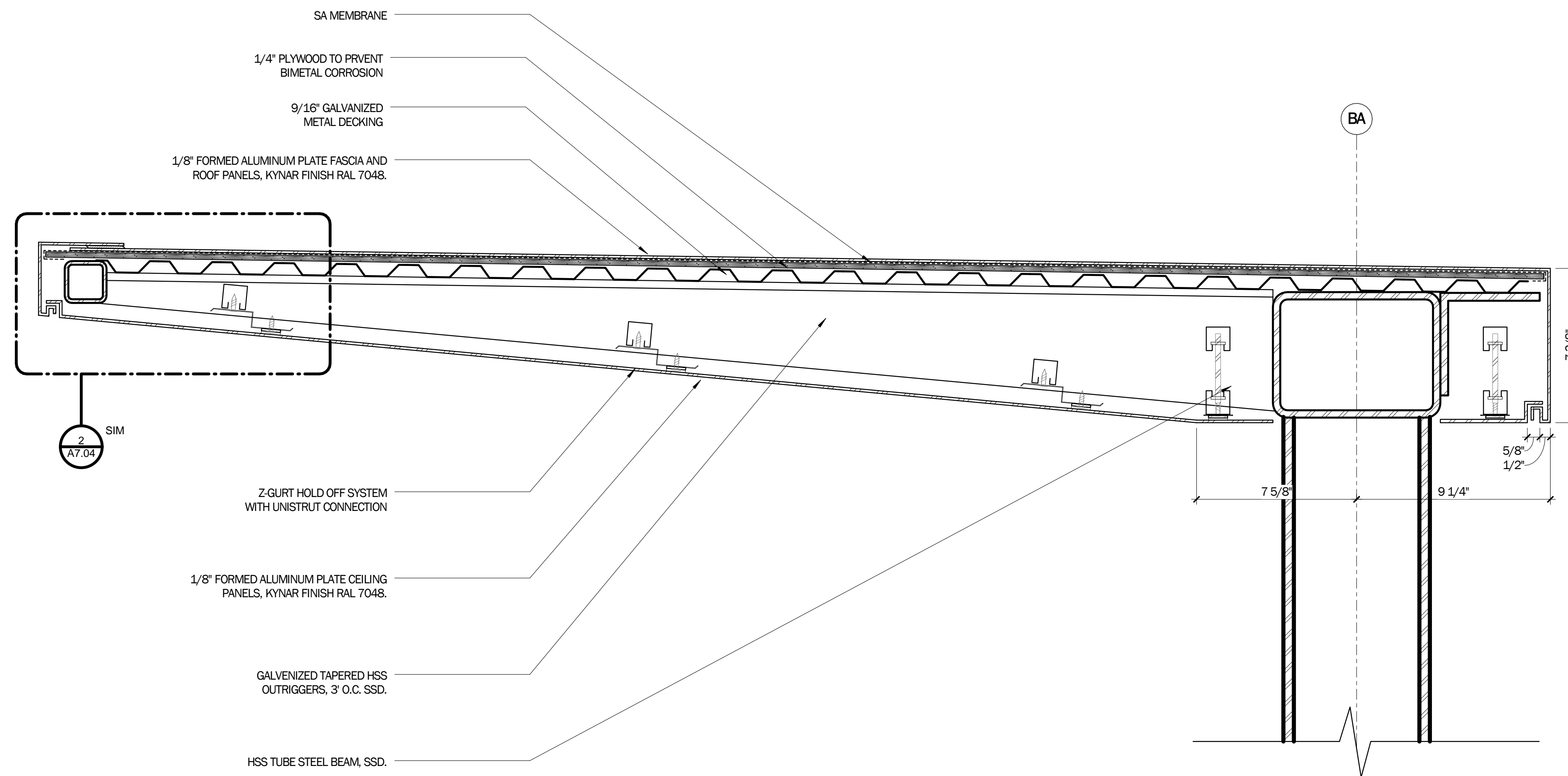
BUS/SHUTTLE  
SHELTER -  
DETAILS

SHEET TITLE  
SCALE

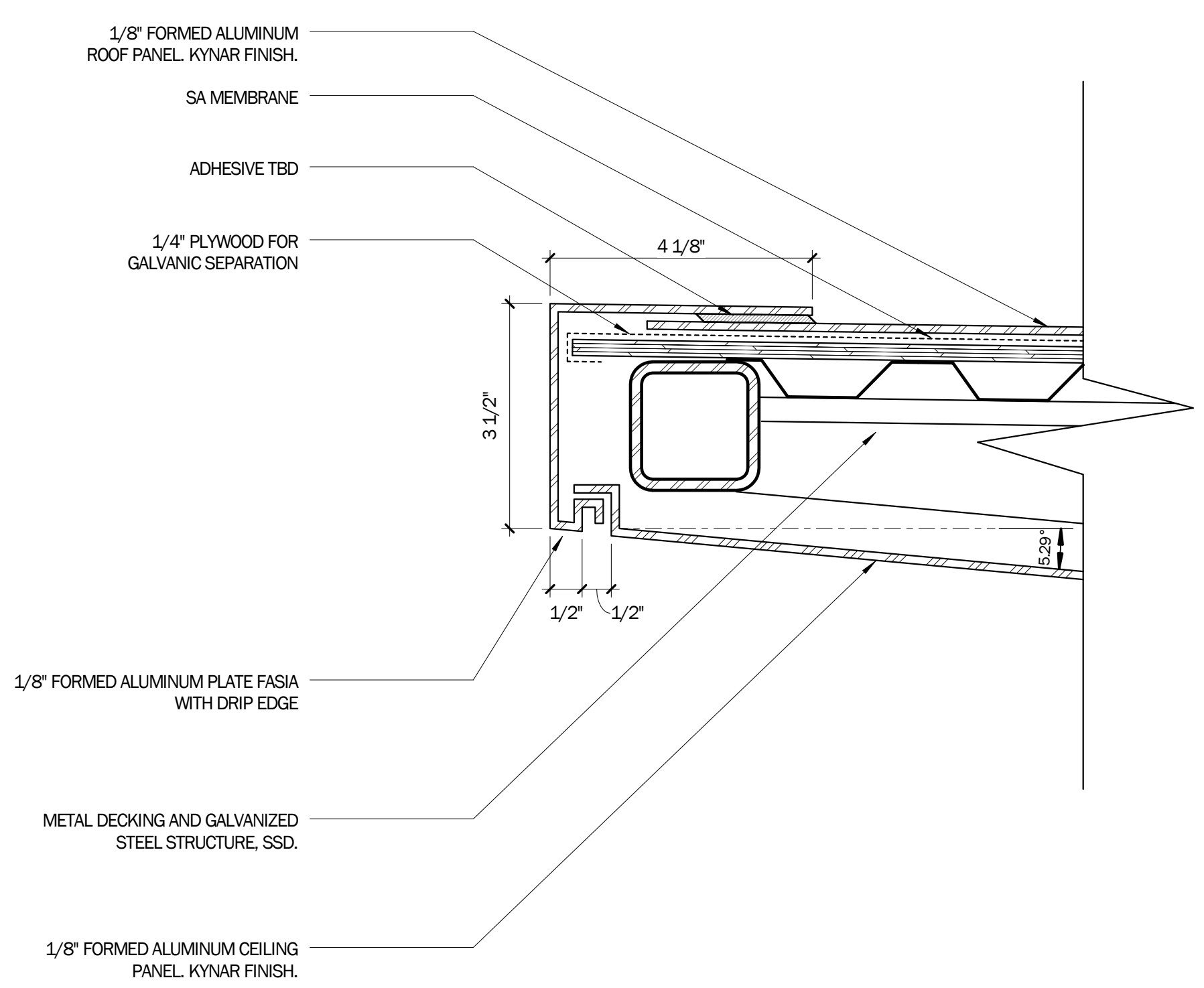
**A7.04**

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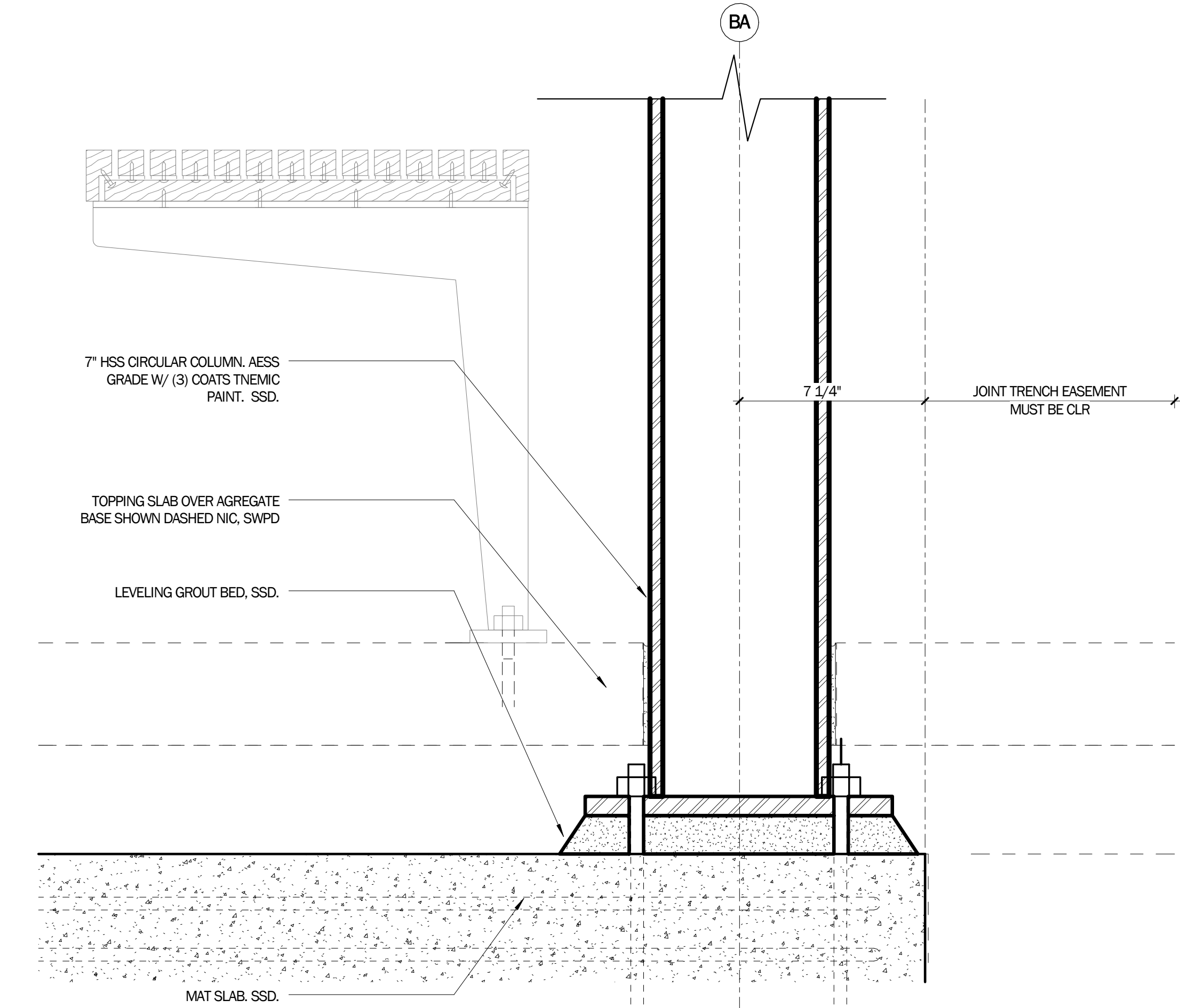
NOT FOR CONSTRUCTION



**3 CANOPY DETAIL @ BUS/SHUTTLE SHELTER**  
3" = 1'-0"



**2 FASCIA DETAIL @ BUS/SHUTTLE SHELTER**  
6" = 1'-0"



**1 COLUMN BASE DETAIL @ BUS/SHUTTLE SHELTER**  
3" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEN1401	Author	REVISIONS	DATE	BY	DATE
DRAWN BY:			DESCRIPTION			
NO.						

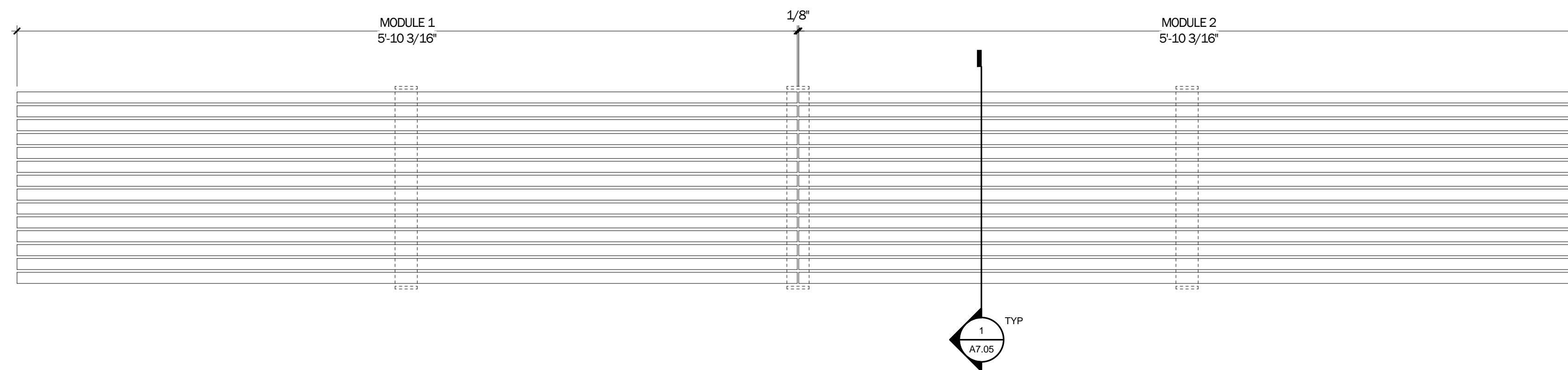
BUS/SHUTTLE  
SHELTER -  
DETAILS

SHEET TITLE  
SCALE

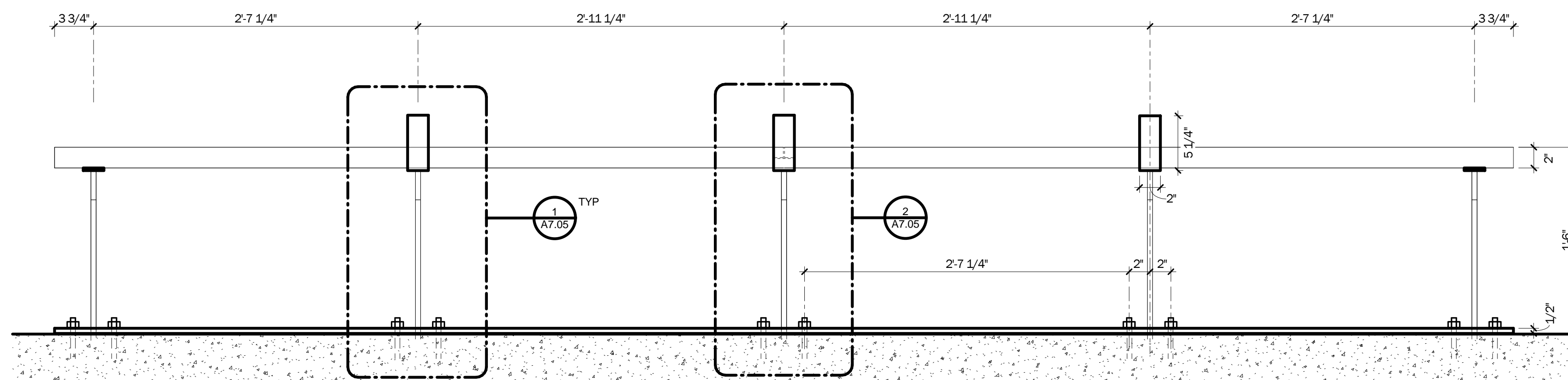
**A7.05**

DRAWING NO.

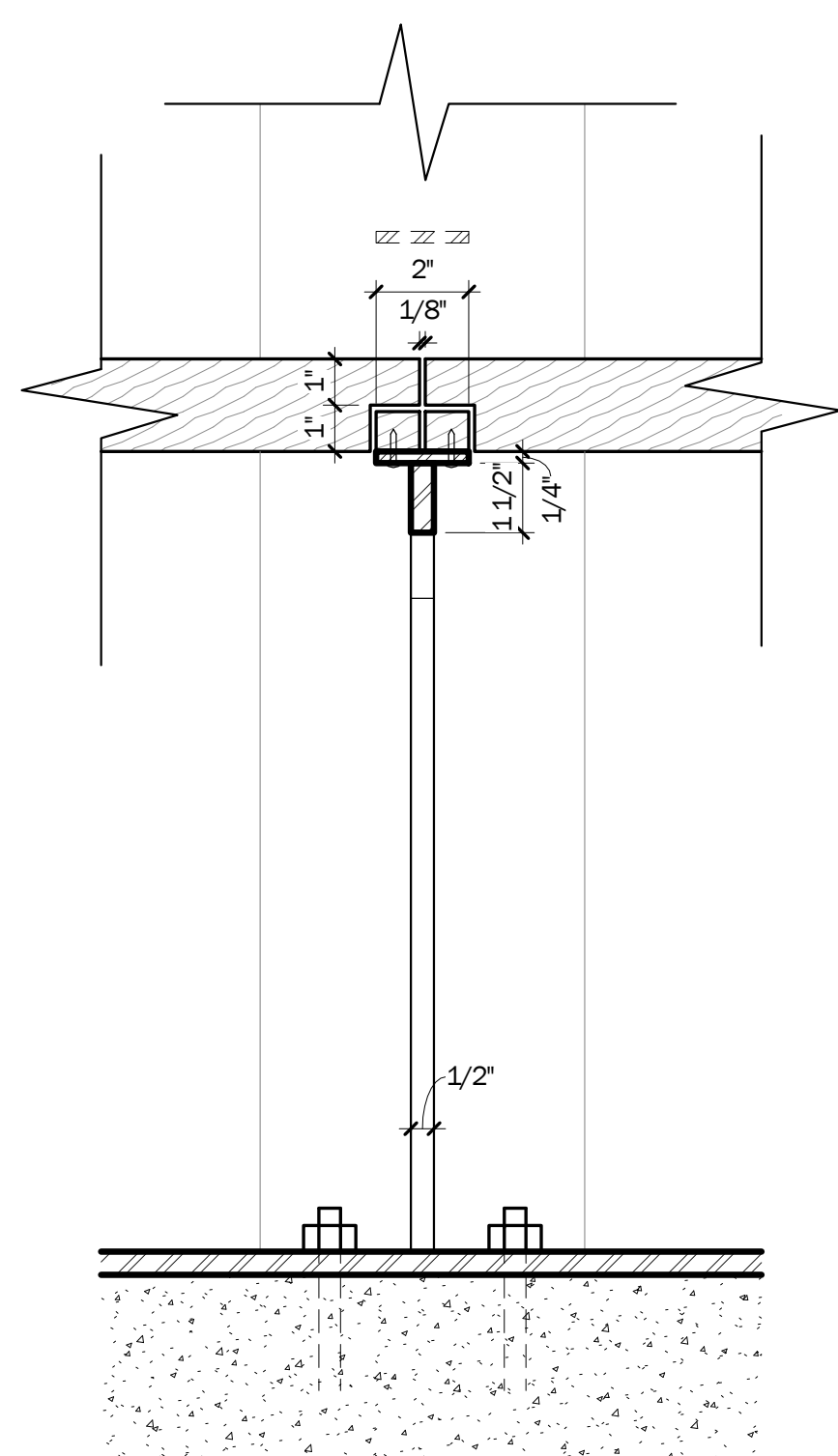
NOT FOR CONSTRUCTION



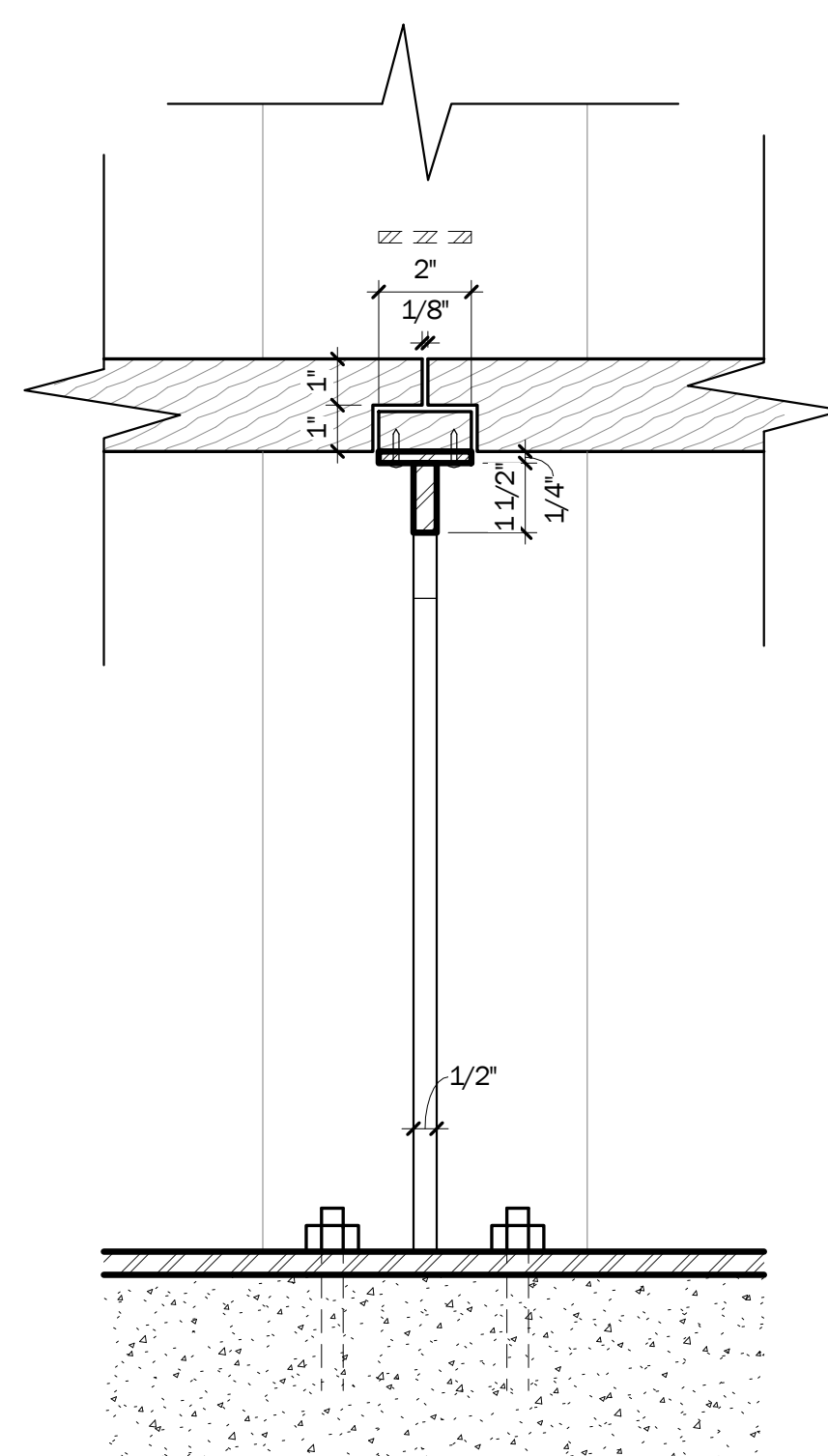
**5 PLAN @ BUS/SHUTTLE SHELTER BENCH BASE PLATE**  
1 1/2" = 1'-0"



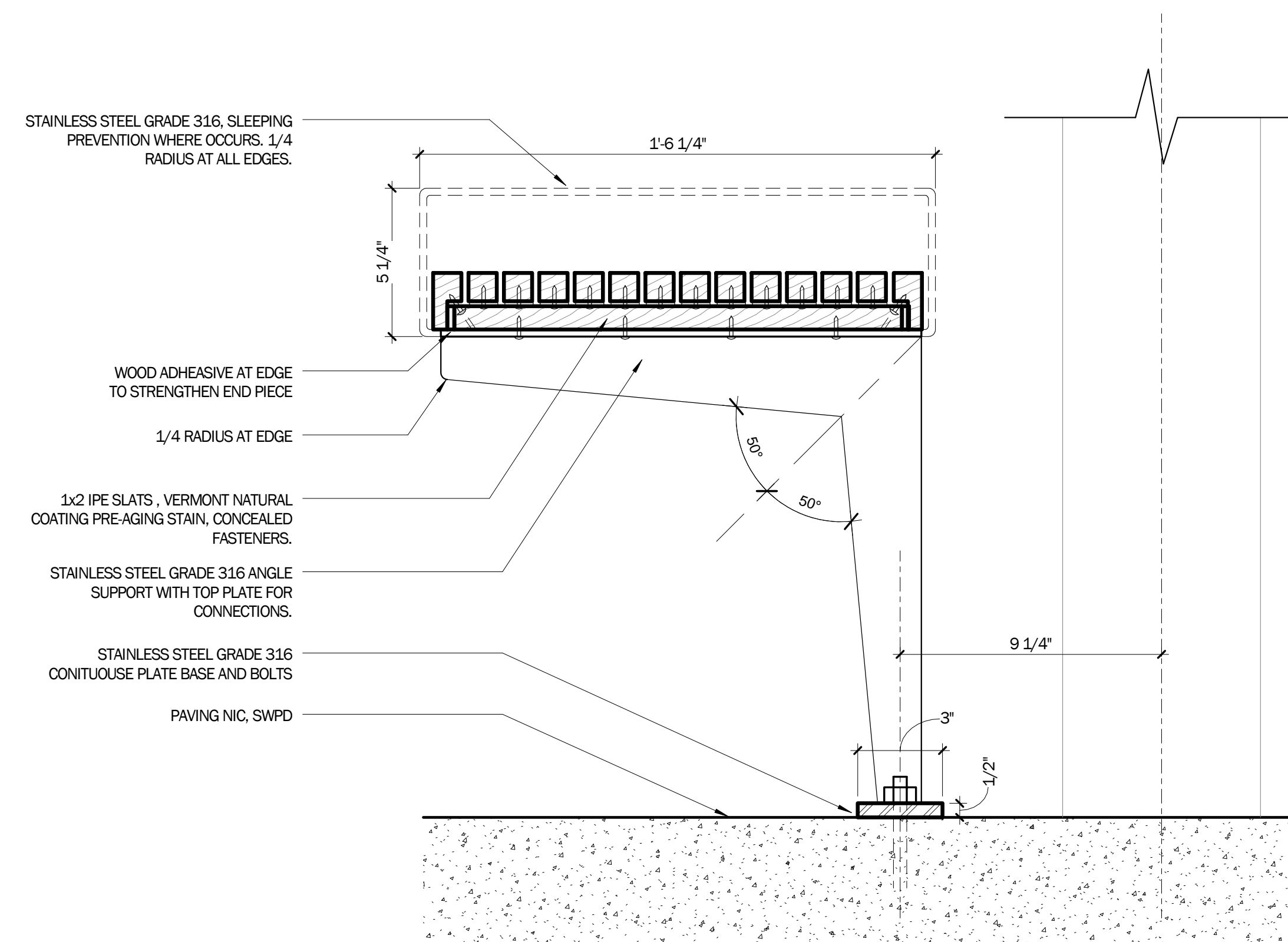
**4 ELEVATION @ BUS/SHUTTLE SHELTER BENCH BASE PLATE**  
1 1/2" = 1'-0"



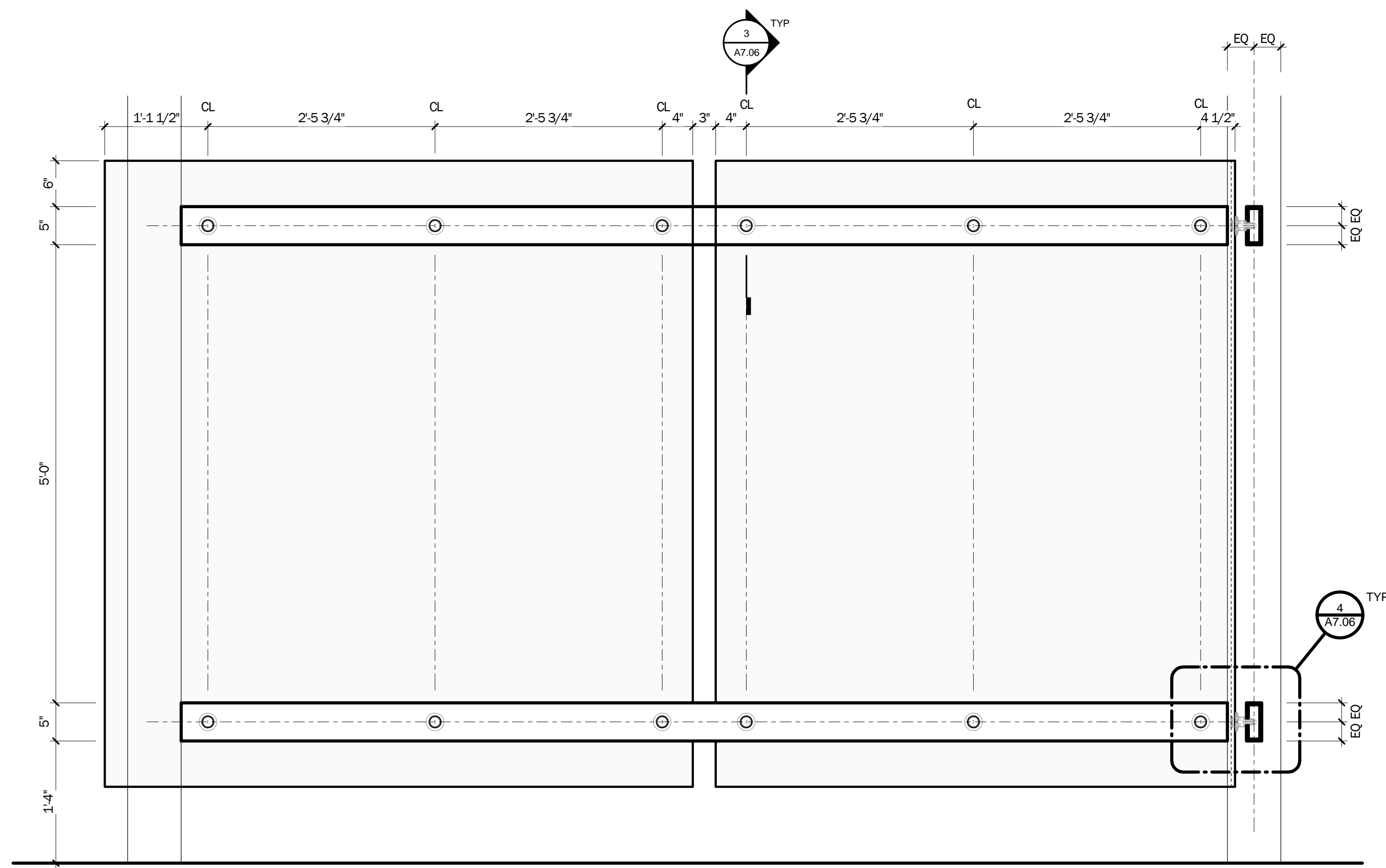
**3 SECTION C @ BUS/SHUTTLE SHELTER BENCH**  
3" = 1'-0"



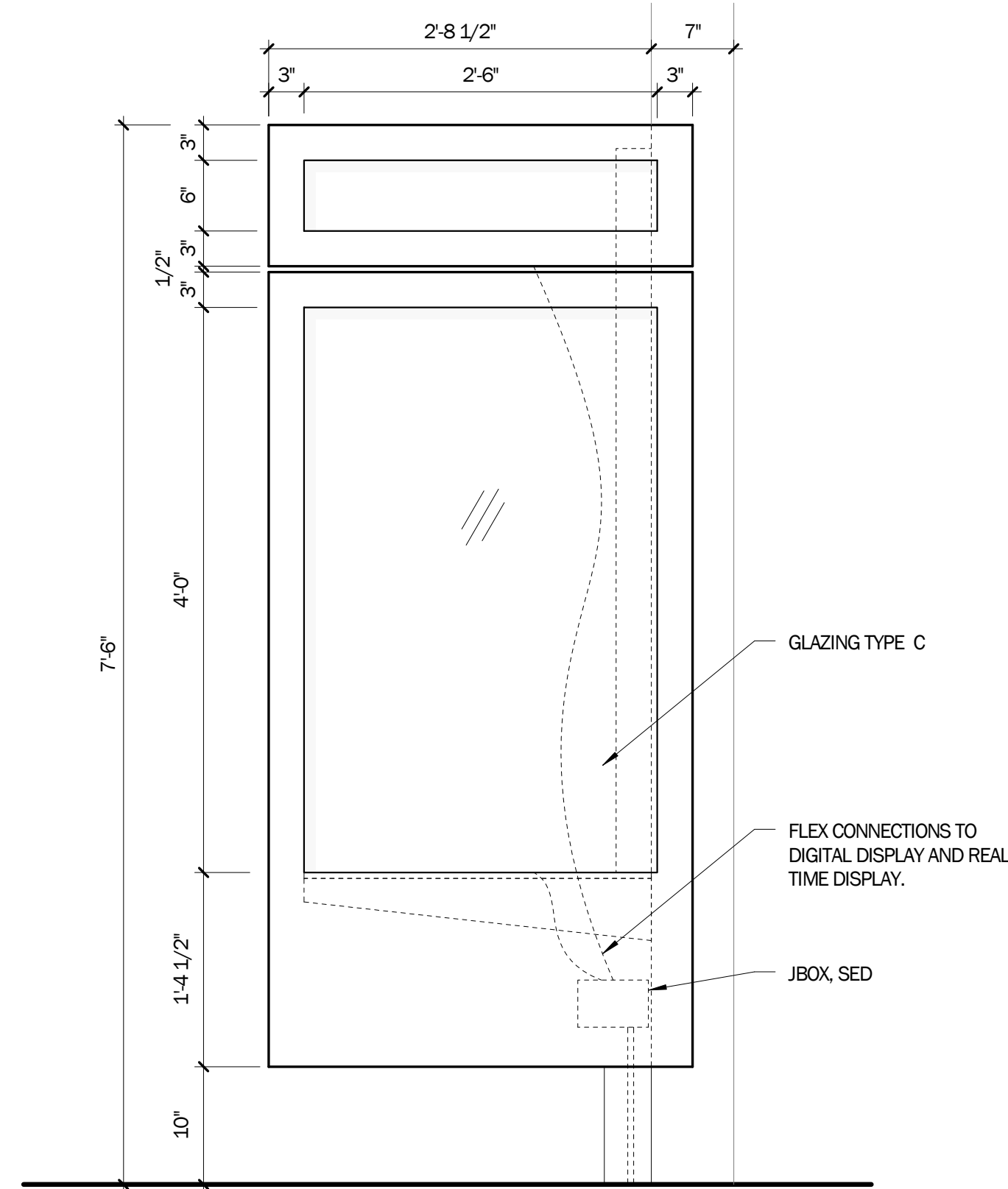
**2 SECTION B @ BUS/SHUTTLE SHELTER BENCH**  
3" = 1'-0"



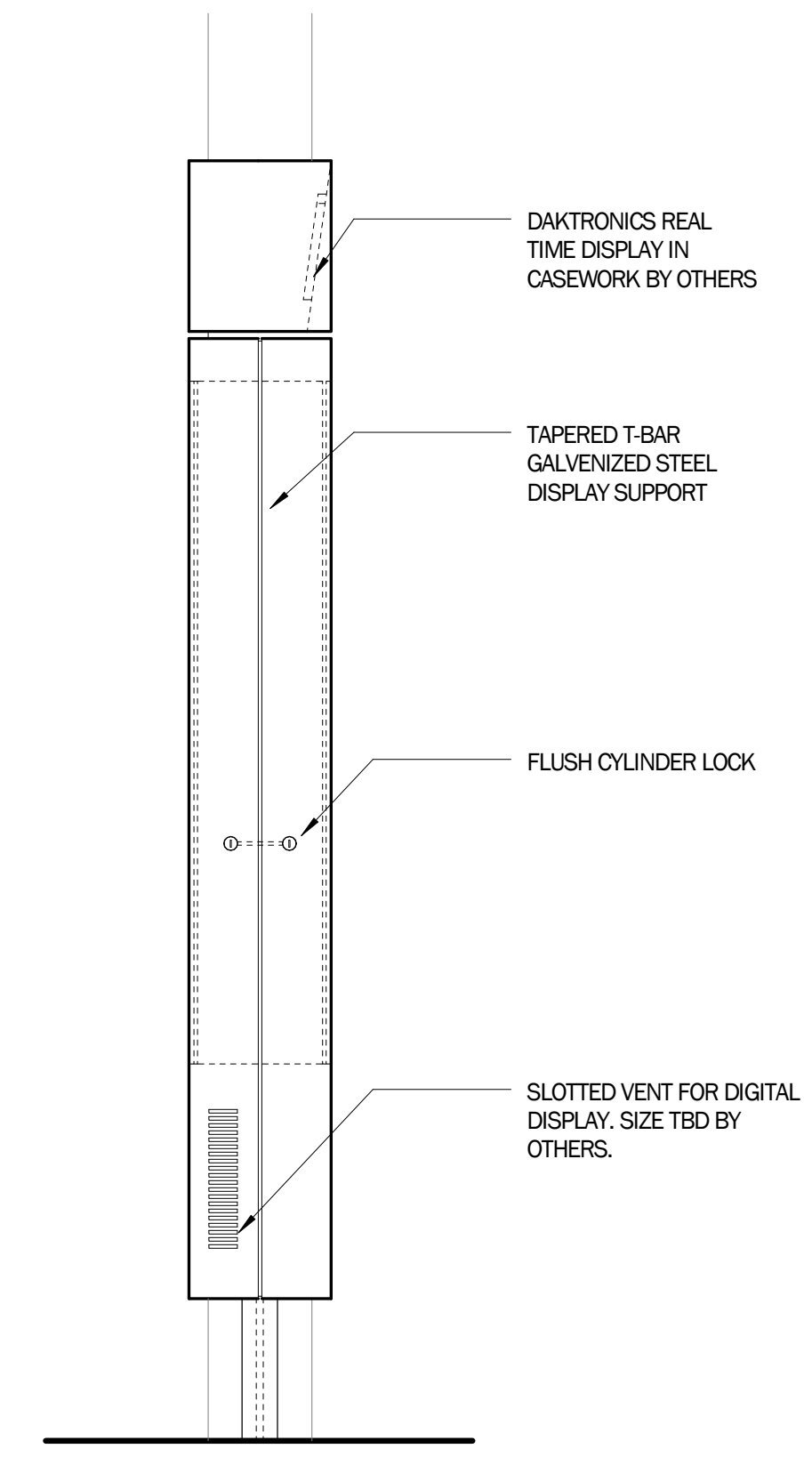
**1 SECTION A @ BUS/SHUTTLE SHELTER BENCH**  
3" = 1'-0"



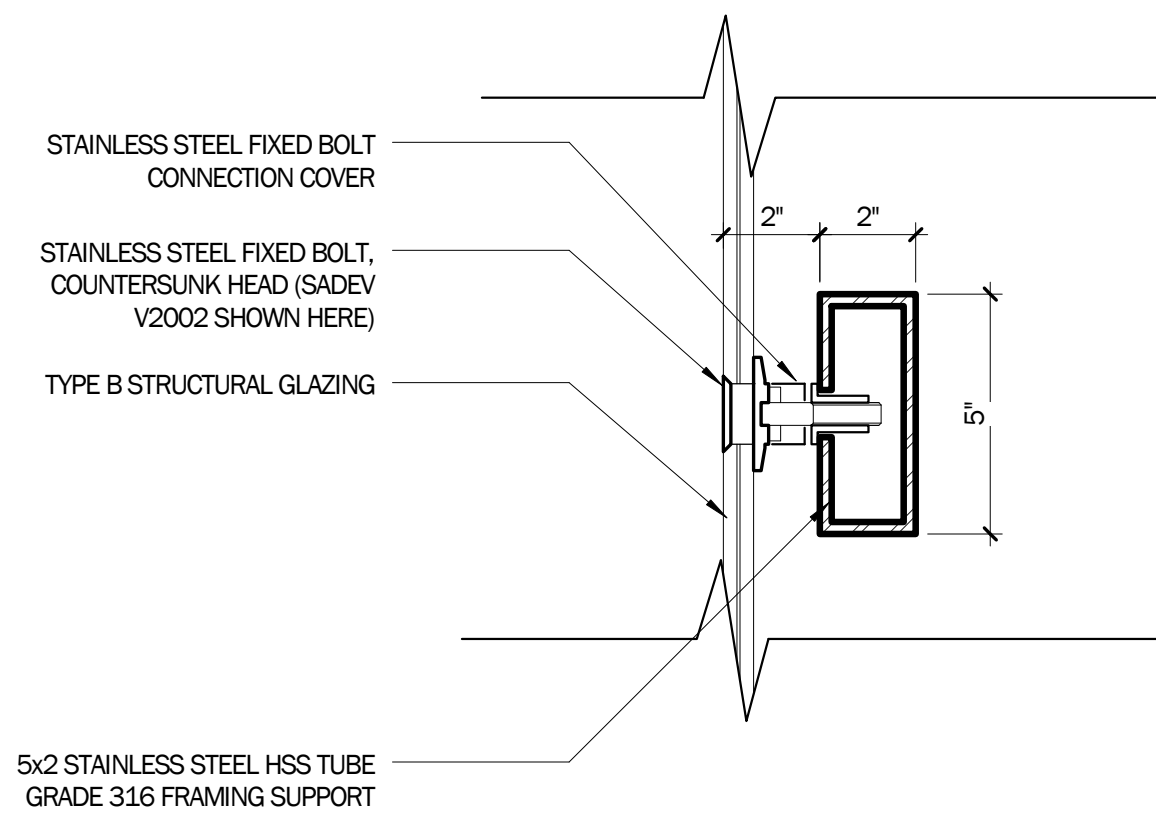
**8 POINT SUPPORT @ BUS/SHUTTLE SHELTER - LAYOUT**  
1" = 1'-0"



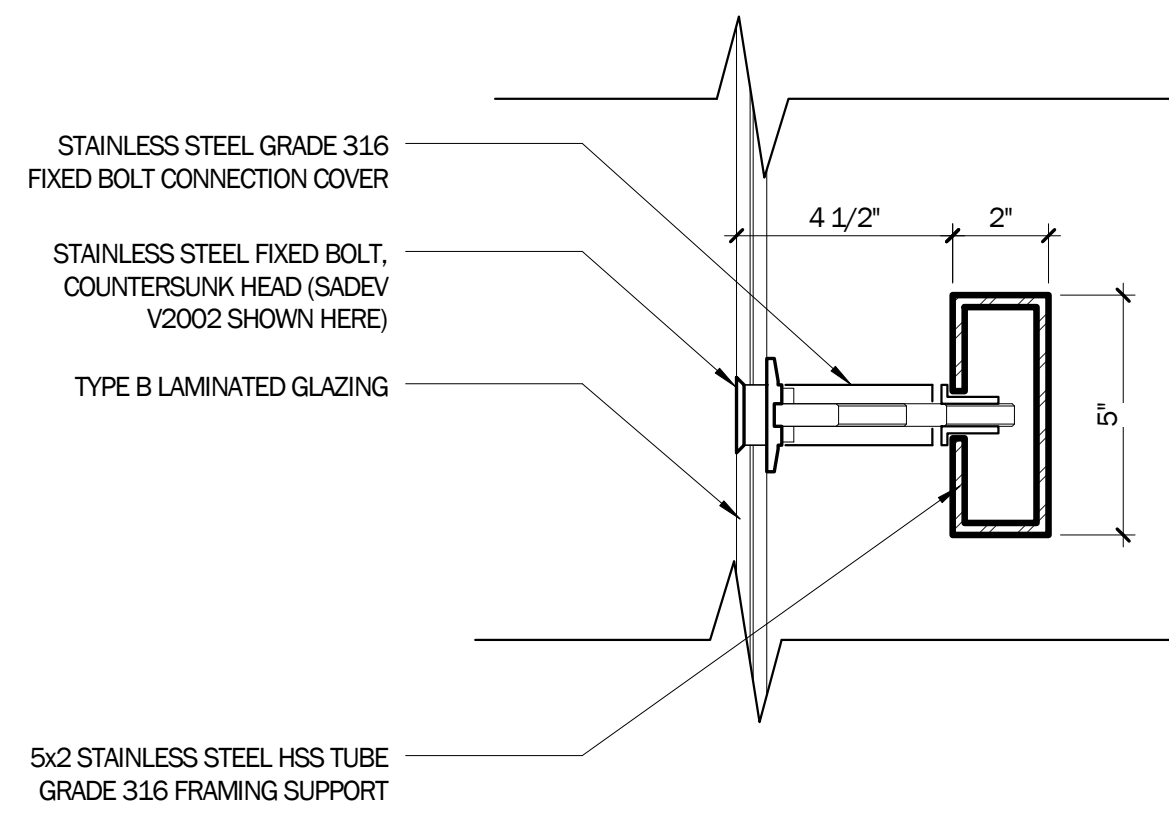
**6 BUS/SHUTTLE SHELTER DISPLAY - NORTH**  
1" = 1'-0"



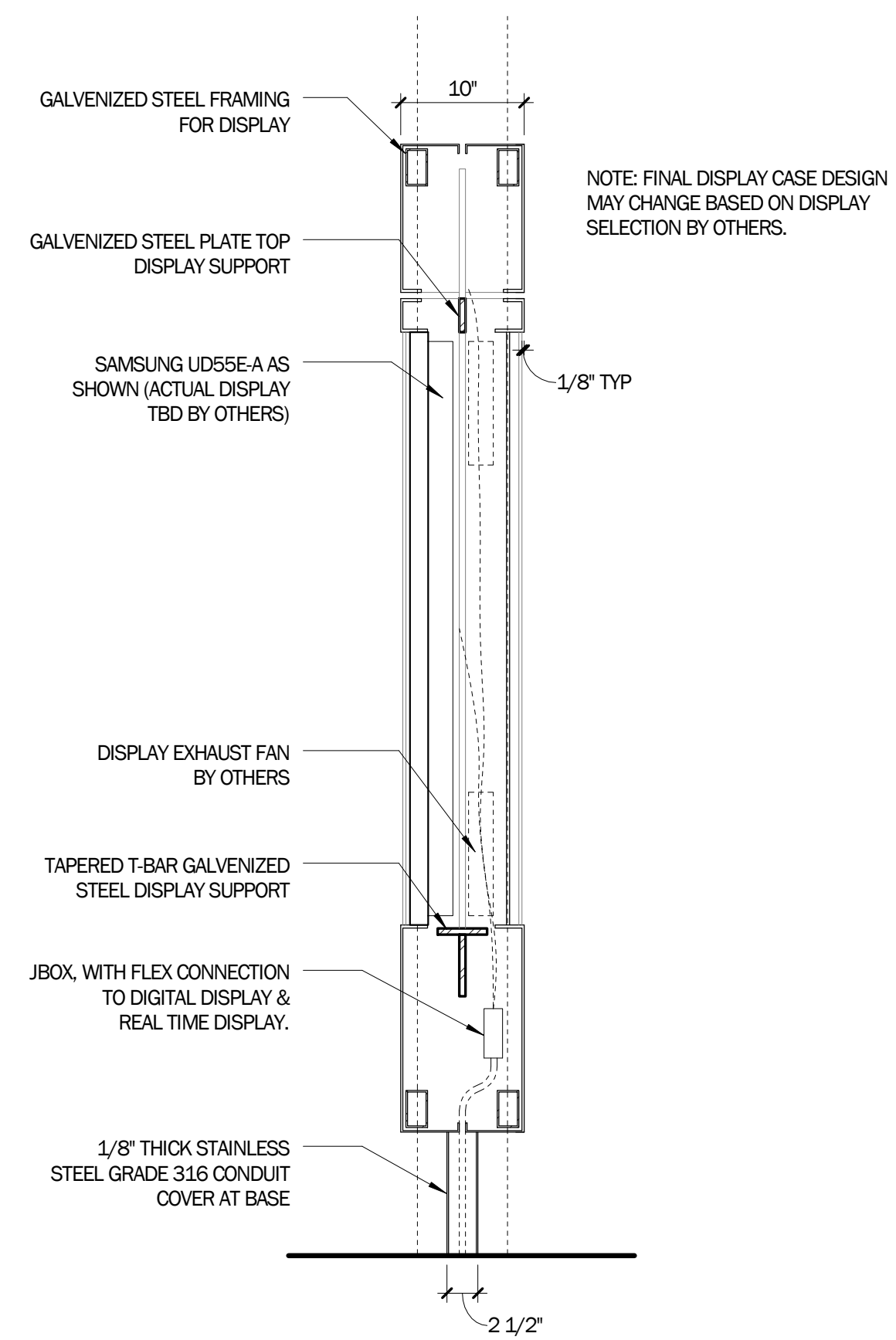
**5 BUS/SHUTTLE SHELTER DISPLAY - EAST**  
1" = 1'-0"



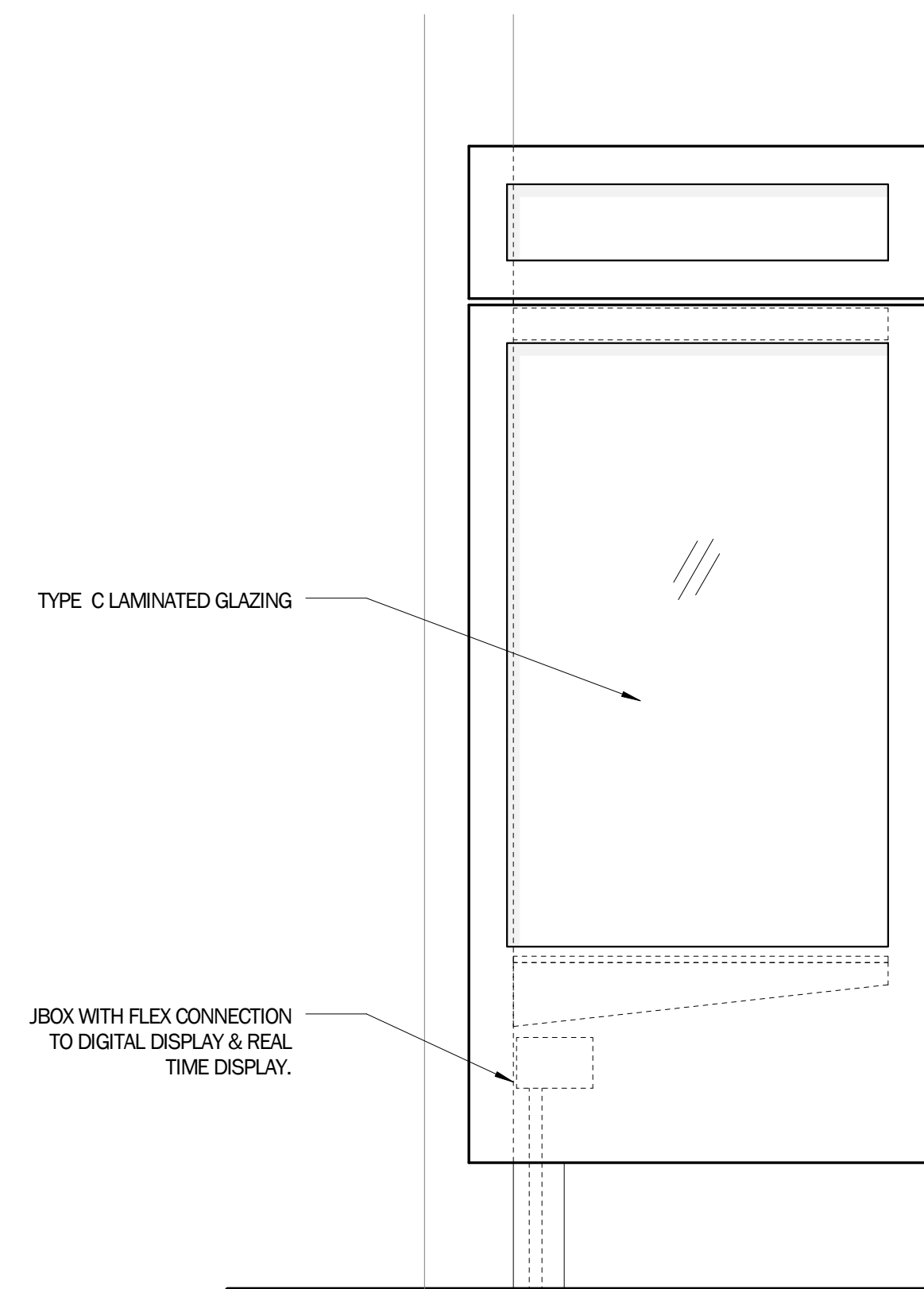
**4 POINT SUPPORT @ BUS/SHUTTLE SHELTER - WING PANEL**  
3" = 1'-0"



**3 POINT SUPPORT @ BUS/SHUTTLE SHELTER - TYPICAL**  
3" = 1'-0"



**2 BUS/SHUTTLE SHELTER DISPLAY - SECTION**  
1" = 1'-0"



**1 BUS/SHUTTLE SHELTER DISPLAY - SOUTH**  
1" = 1'-0"

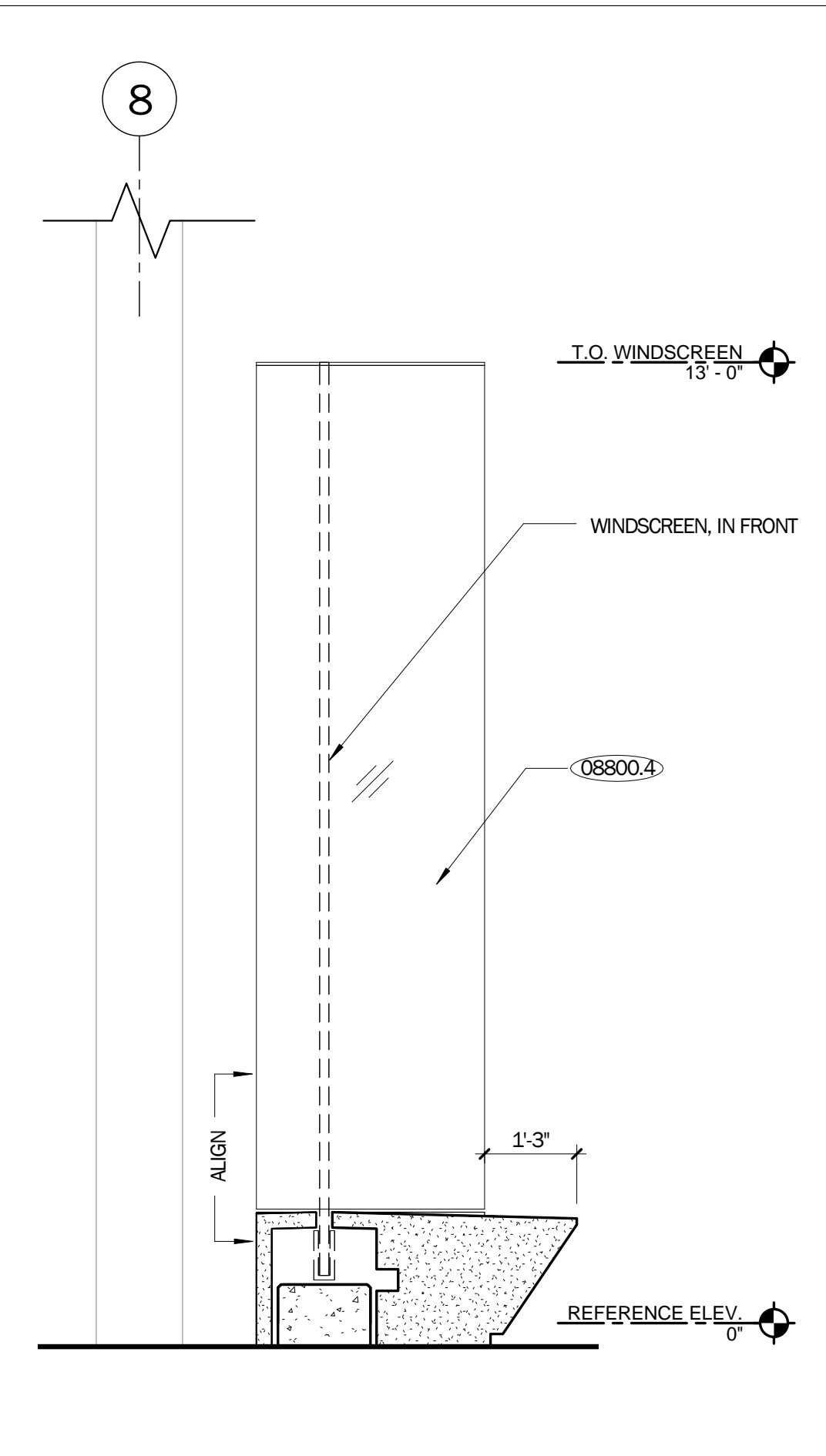
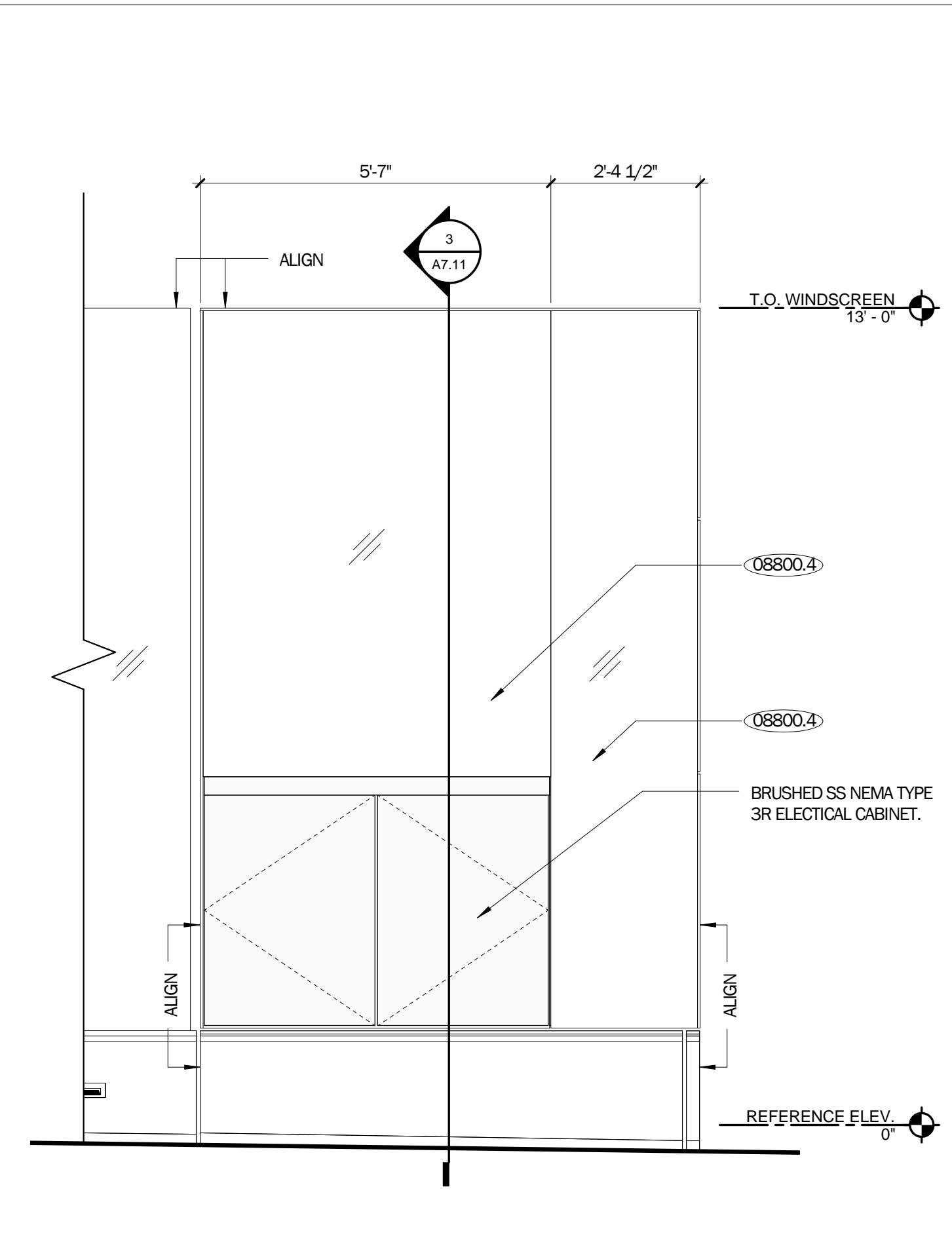
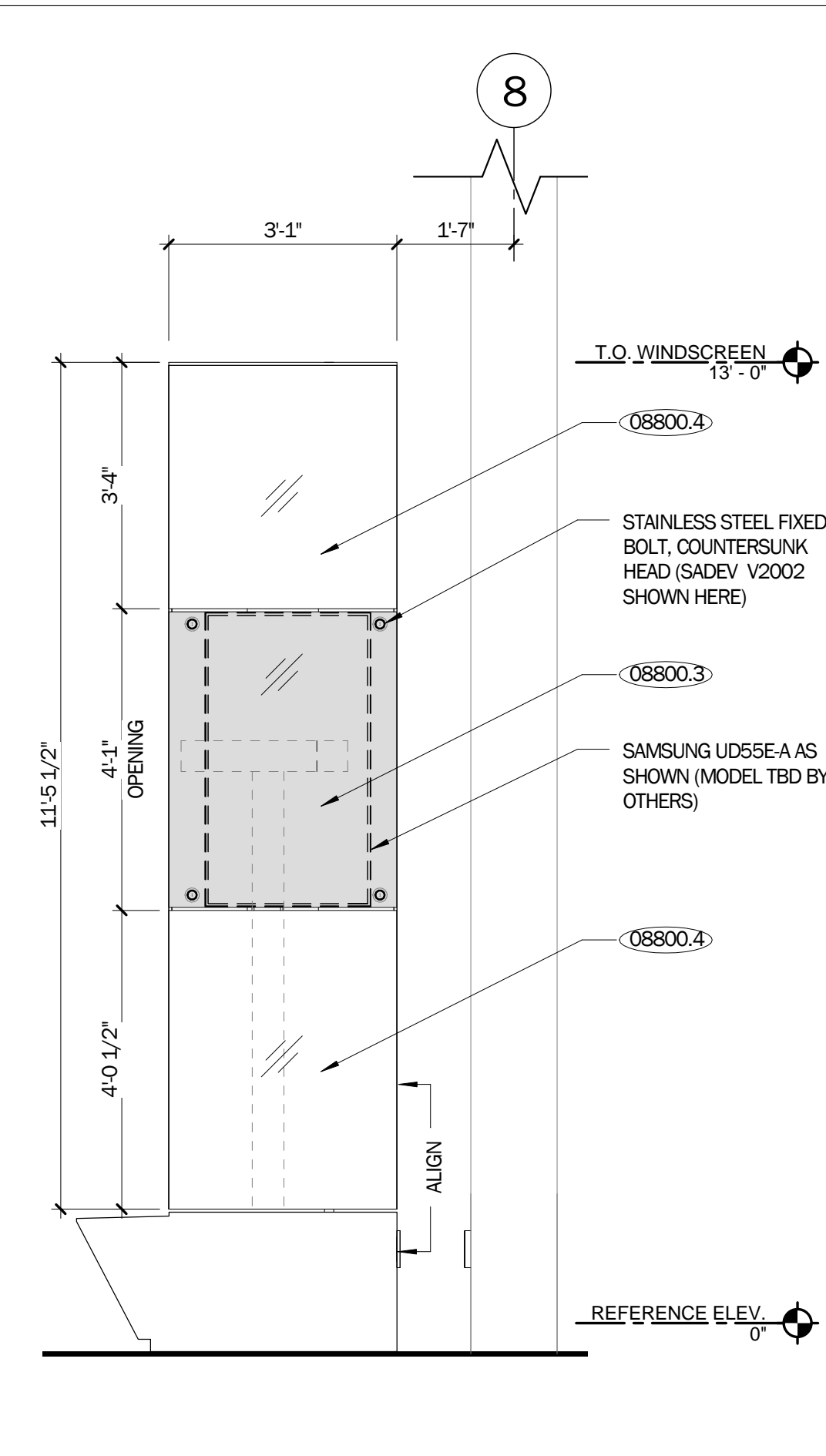
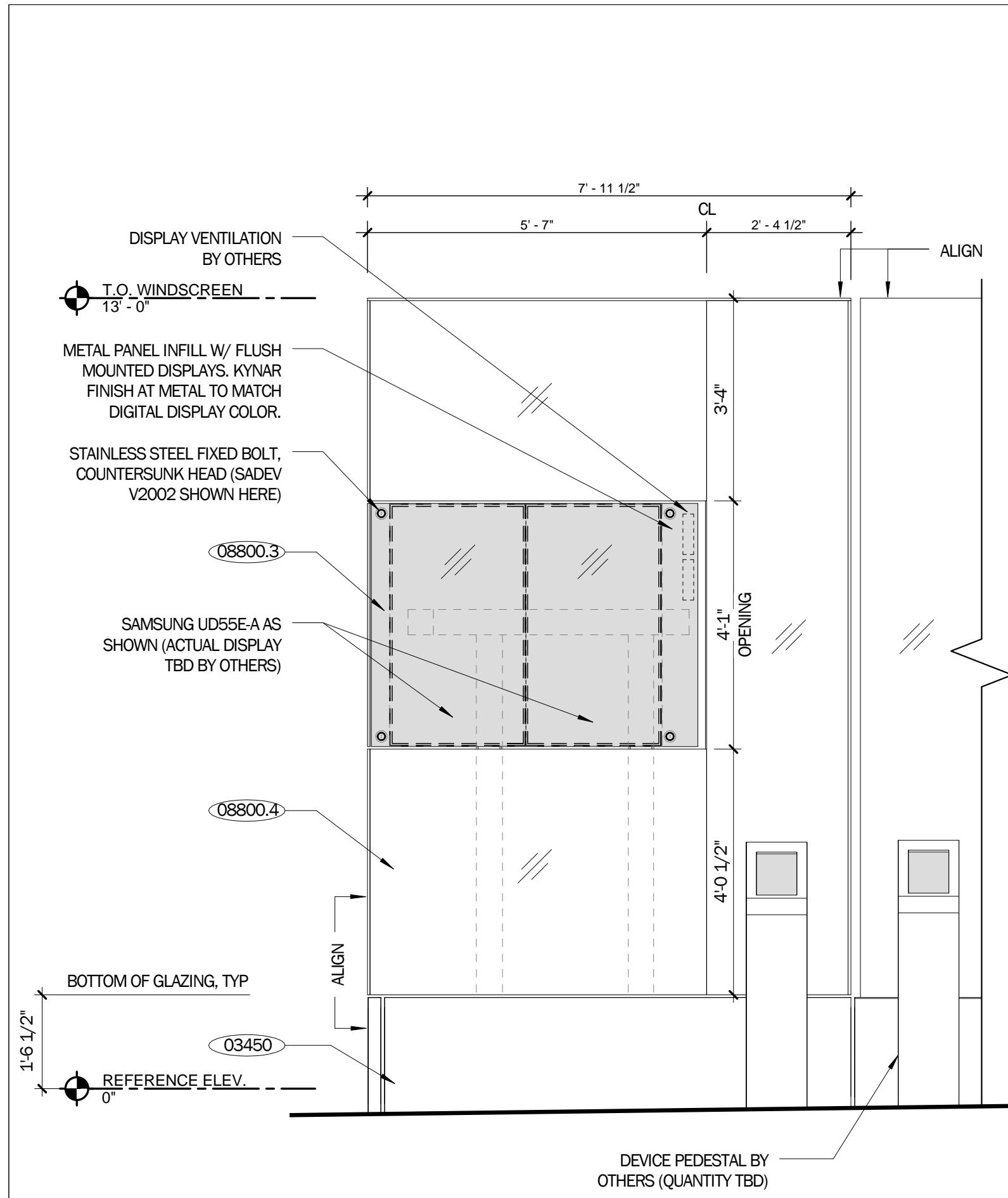
PROJECT NO:	LEN401	Author:	REVISIONS
DRAWN BY:		DESCRIPTION:	
CHK:	DATE:	BY:	DATE:

BUS/SHUTTLE  
SHELTER -  
DETAILS

SHEET TITLE  
SCALE

**A7.06**

DRAWING NO.



**7** MEDIA CENTER - NORTH  
1/2" = 1'-0"

**6** MEDIA CENTER - EAST  
1/2" = 1'-0"

**5** MEDIA CENTER - SOUTH  
1/2" = 1'-0"

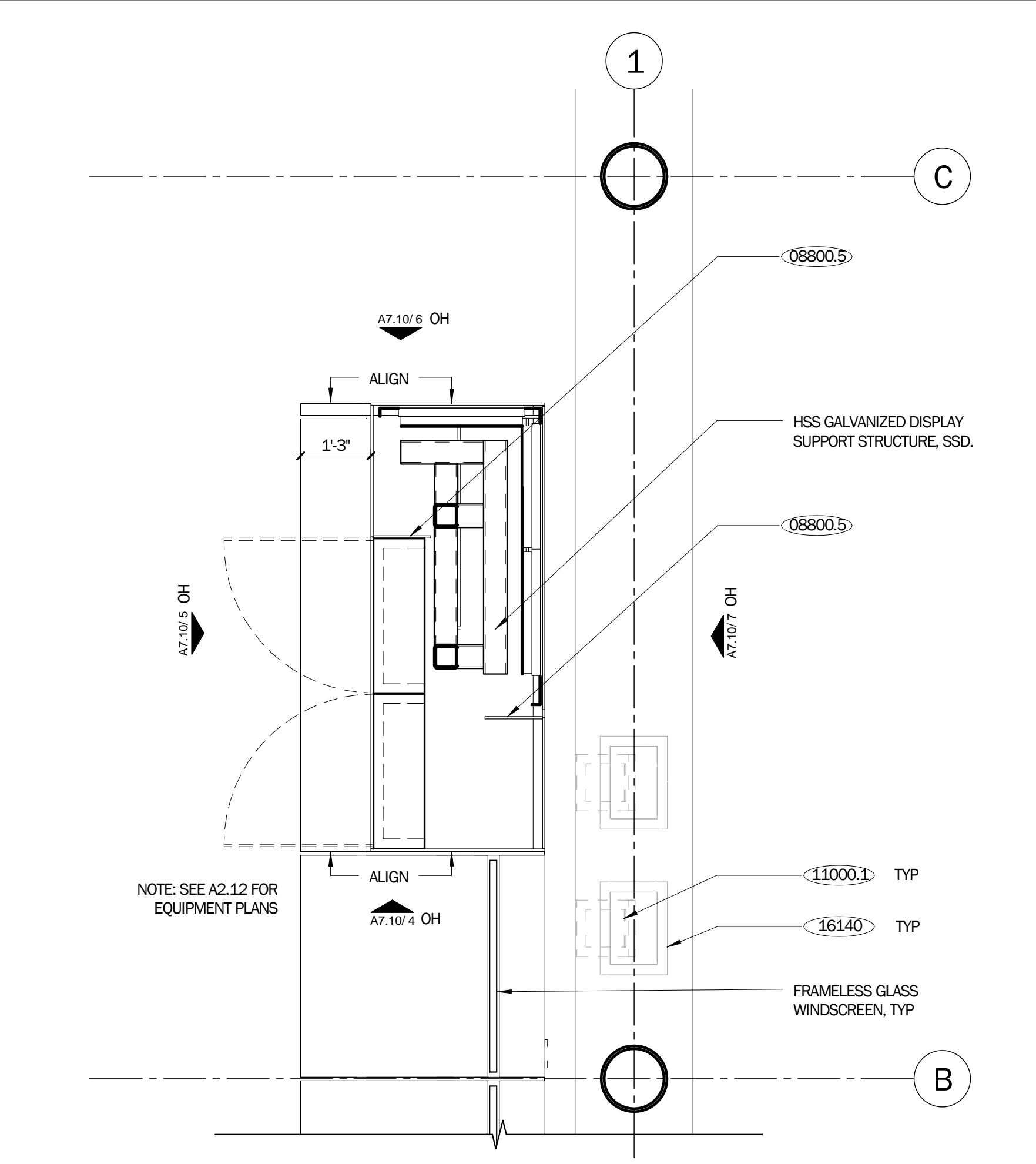
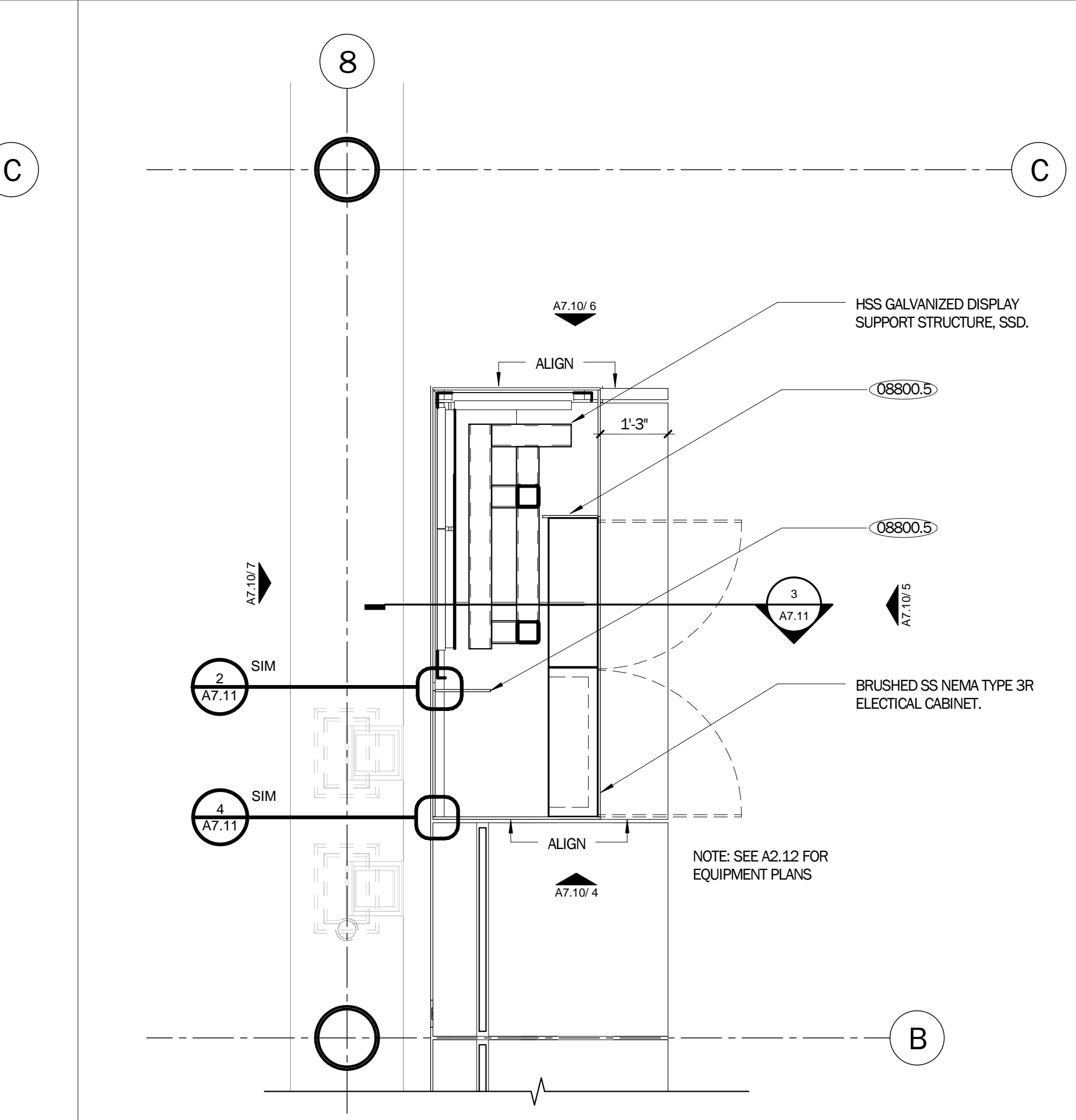
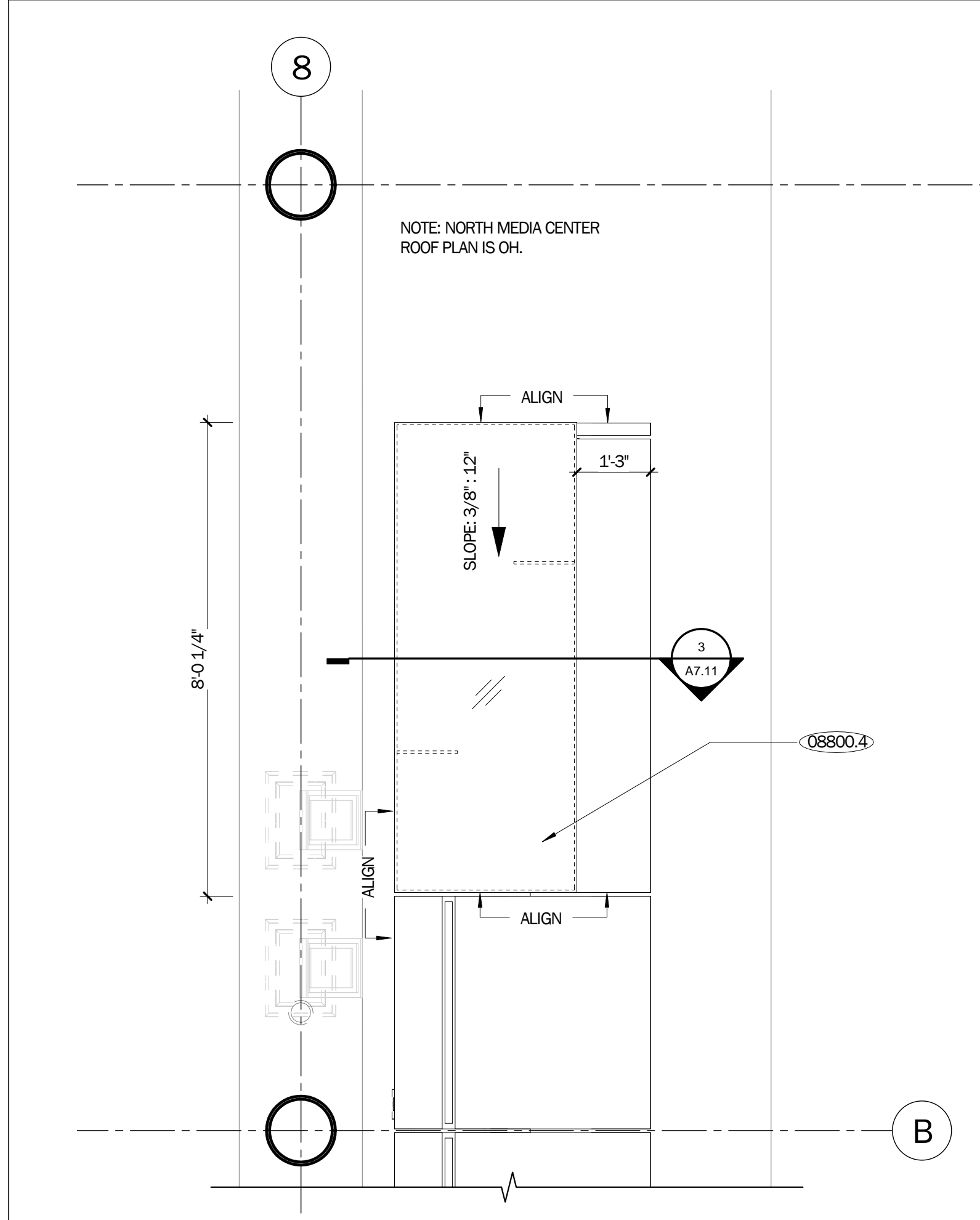
**4** MEDIA CENTER - WEST  
1/2" = 1'-0"

KEYNOTES

03450	PRECAST CONCRETE LOW WALL
05120.1	STEEL COLUMN, SSD
08800.3	TYPE C GLAZING: LAMINATED GLASS (SKYLIGHT, MEDIA CENTER, BUS/SHUTTLE SHELTER DISPLAY)
08800.4	TYPE D GLAZING: LAMINATED GLASS (MEDIA CENTER, FROSTED)
08800.5	TYPE E GLAZING: LAMINATED GLASS (STRUCTURAL FIN)
11000.1	TICKETING MACHINES (CLIPPER CARD KIOSK), NIC
16140	CHRISTY BOX

**TICD**  
TREASURE ISLAND  
COMMUNITY DEVELOPMENT

**DE+**  
DILWORTH ELIOT STUDIO  
1066 HOWARD ST  
SAN FRANCISCO, CA 94103



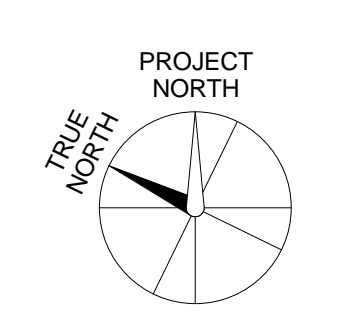
- NOTES
- SEE SHEET A2.10 FOR FLOOR PLAN NOTES
  - SEE A8.10 FOR WINDSCREEN PANEL SCHEDULE
  - MEDIA CENTER IS GLAZING TYPE D, UON.
  - SITE WORK CONNECTING DATA CLOSET IN BUILDING 1 (ACROSS PALM DRIVE) TO STUB OUT IN FERRY SHELTER LIMIT OF WORK IS NIC, STED.
  - REFERENCE ELEVATION OF '0' REFERS TO CIVIL SITE ELEVATION OF 113.75'. SEE GENERAL NOTES A0.20.

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter & Support Structures:  
Public Restroom  
50% CD

PROJECT NO:	LEN1401
DRAWN BY:	Author
CHECKED BY:	Author
DATE:	03/31/2016
BY:	Author
DATE:	
NO.	

MEDIA CENTER PLANS & ELEVATIONS  
SHEET TITLE  
SCALE  
**A7.10**  
DRAWING NO.



C:\Users\hardy\Documents\A\_T1 FERRY SHELTER\_2015\Cenral\_j\8\dwg\sheet\com.vt

NOT FOR CONSTRUCTION

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Public Restrooms:  
50% CD

PROJECT NO:	LEN1401	CHK:	DATE:	03/01/2016
DRAWN BY:	Author	REVISIONS	BY:	DATE:
NO:	DESCRIPTION	Author		

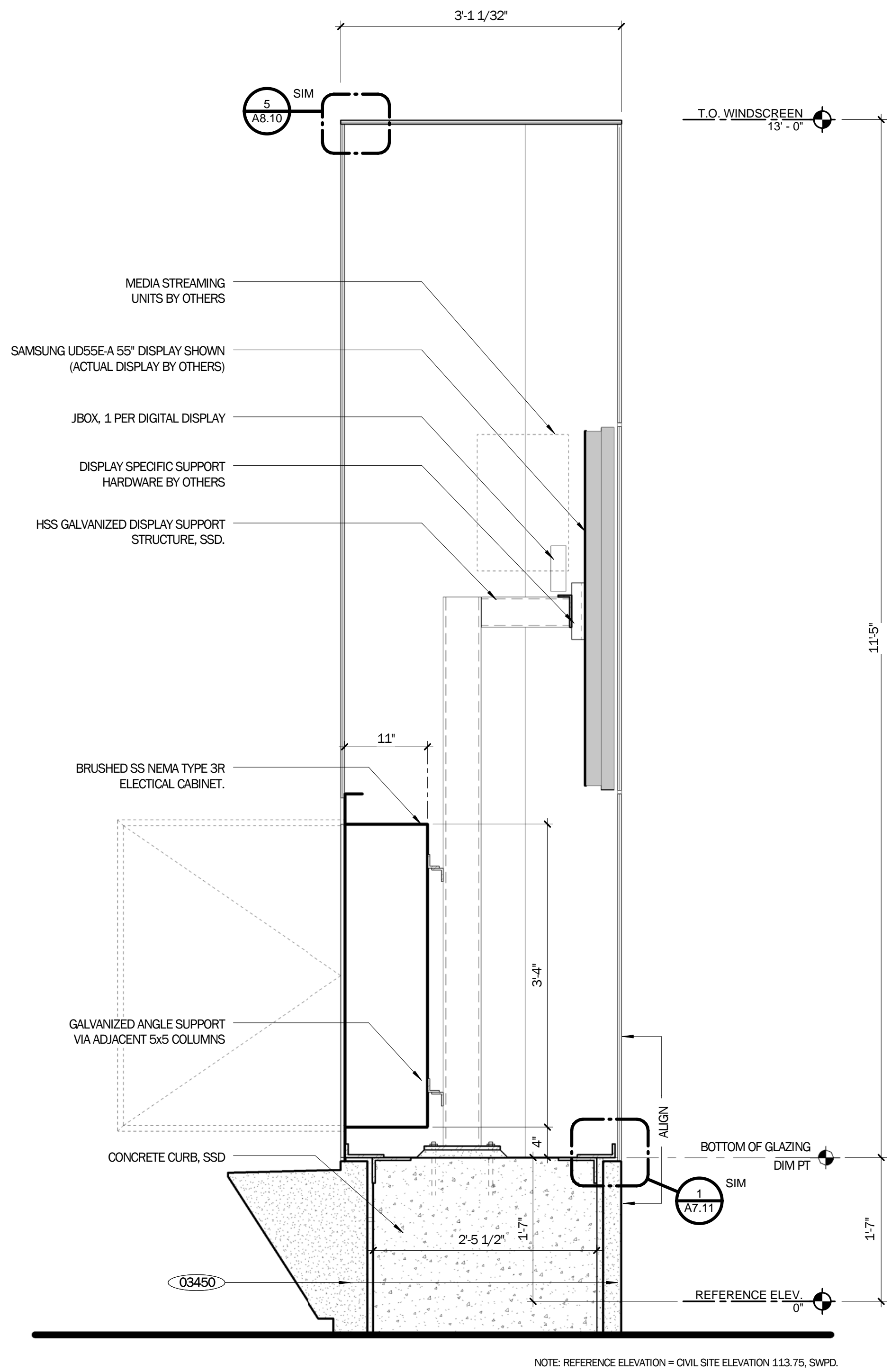
MEDIA CENTER  
- SECTION &  
DETAILS

SHEET TITLE  
SCALE

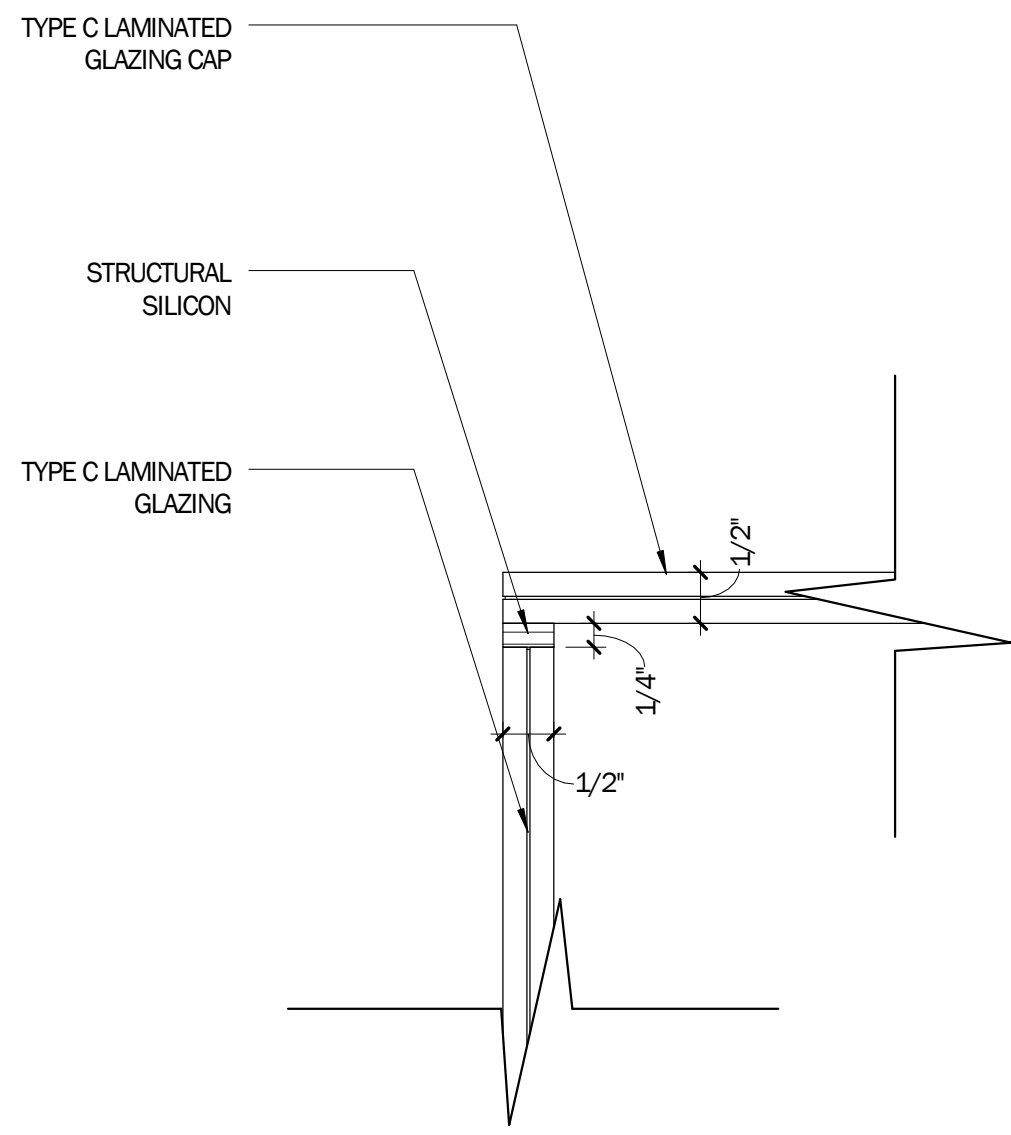
**A7.11**

DRAWING NO.

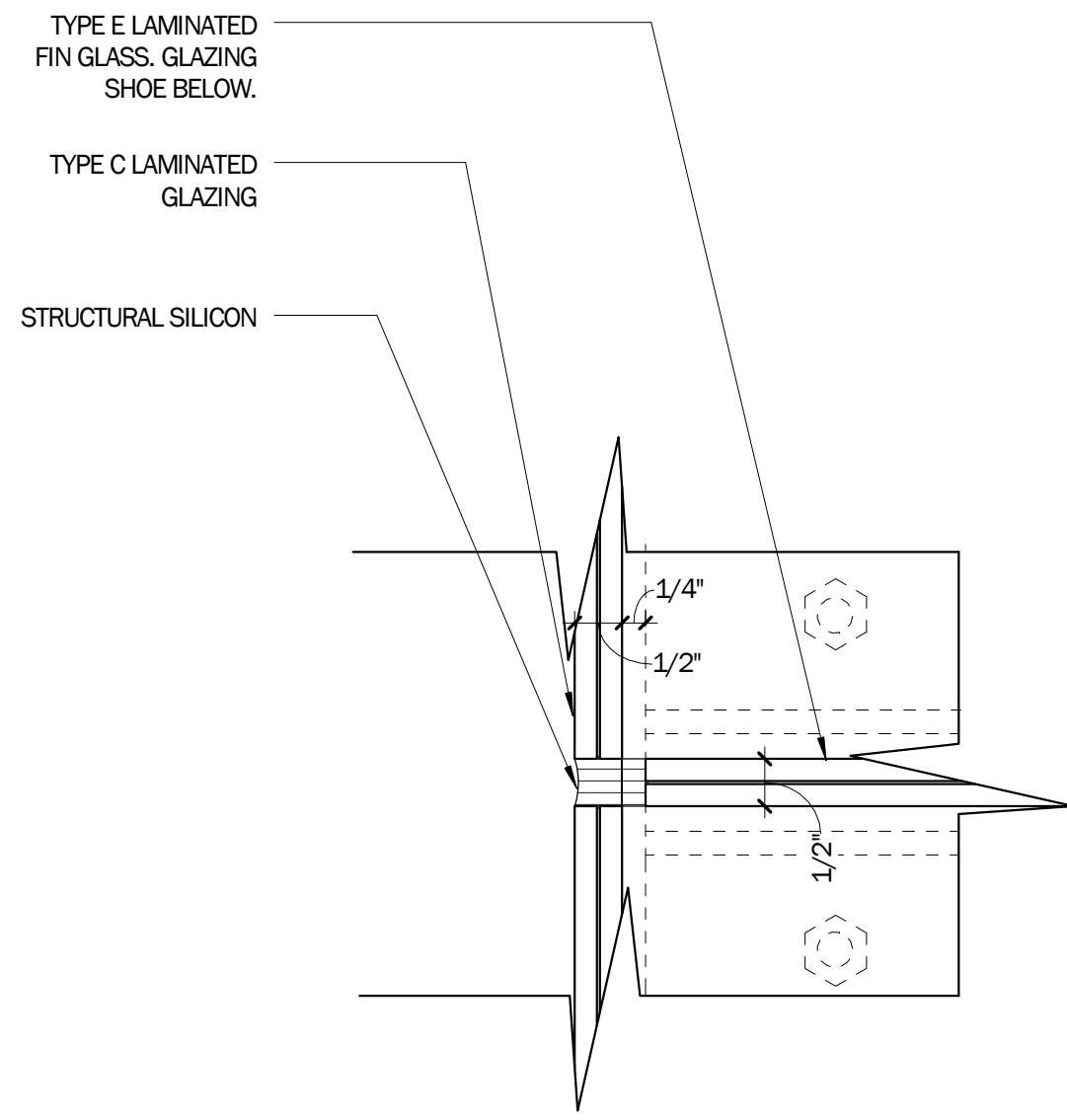
NOT FOR CONSTRUCTION



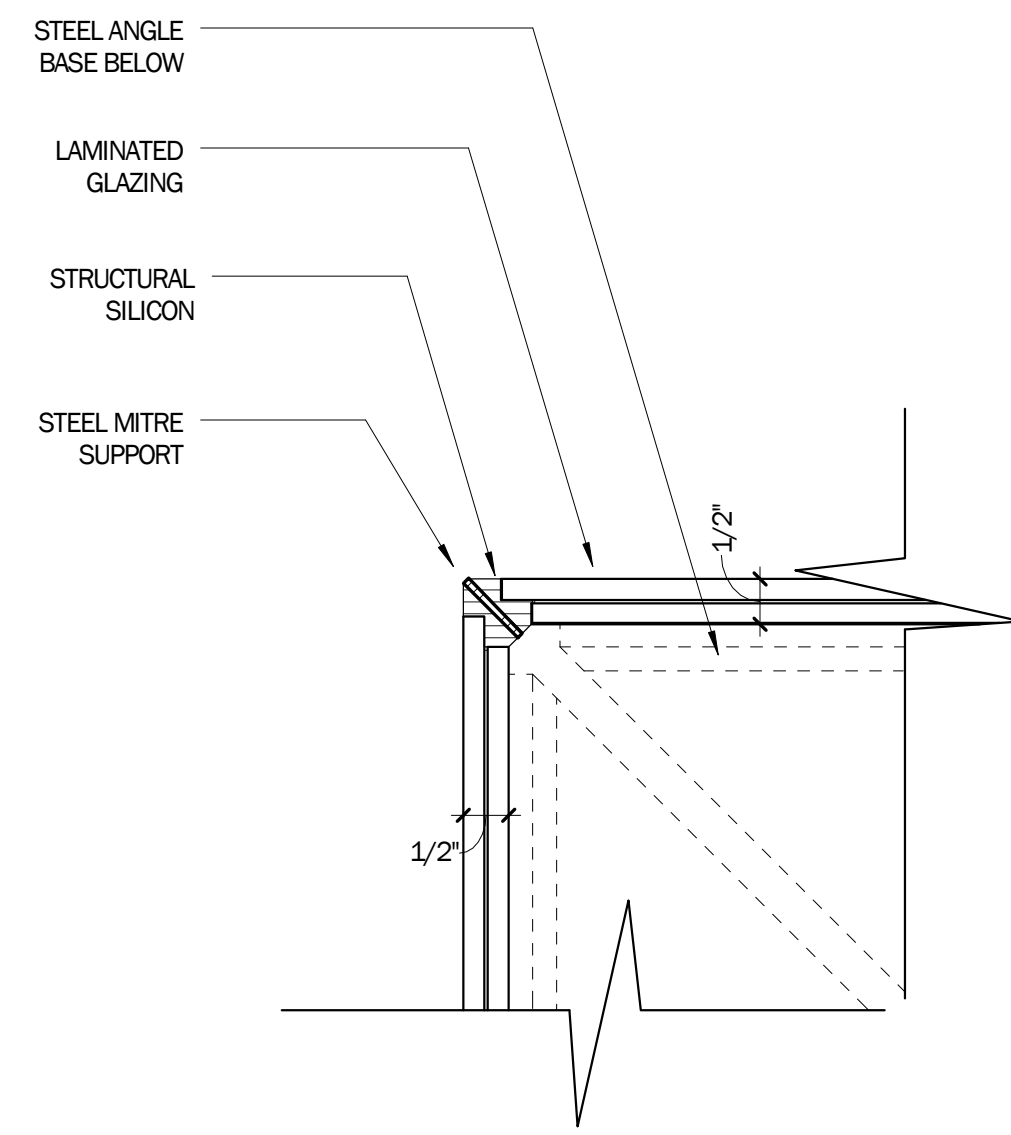
NOTE: REFERENCE ELEVATION = CIVIL SITE ELEVATION 113.75, SWPD.



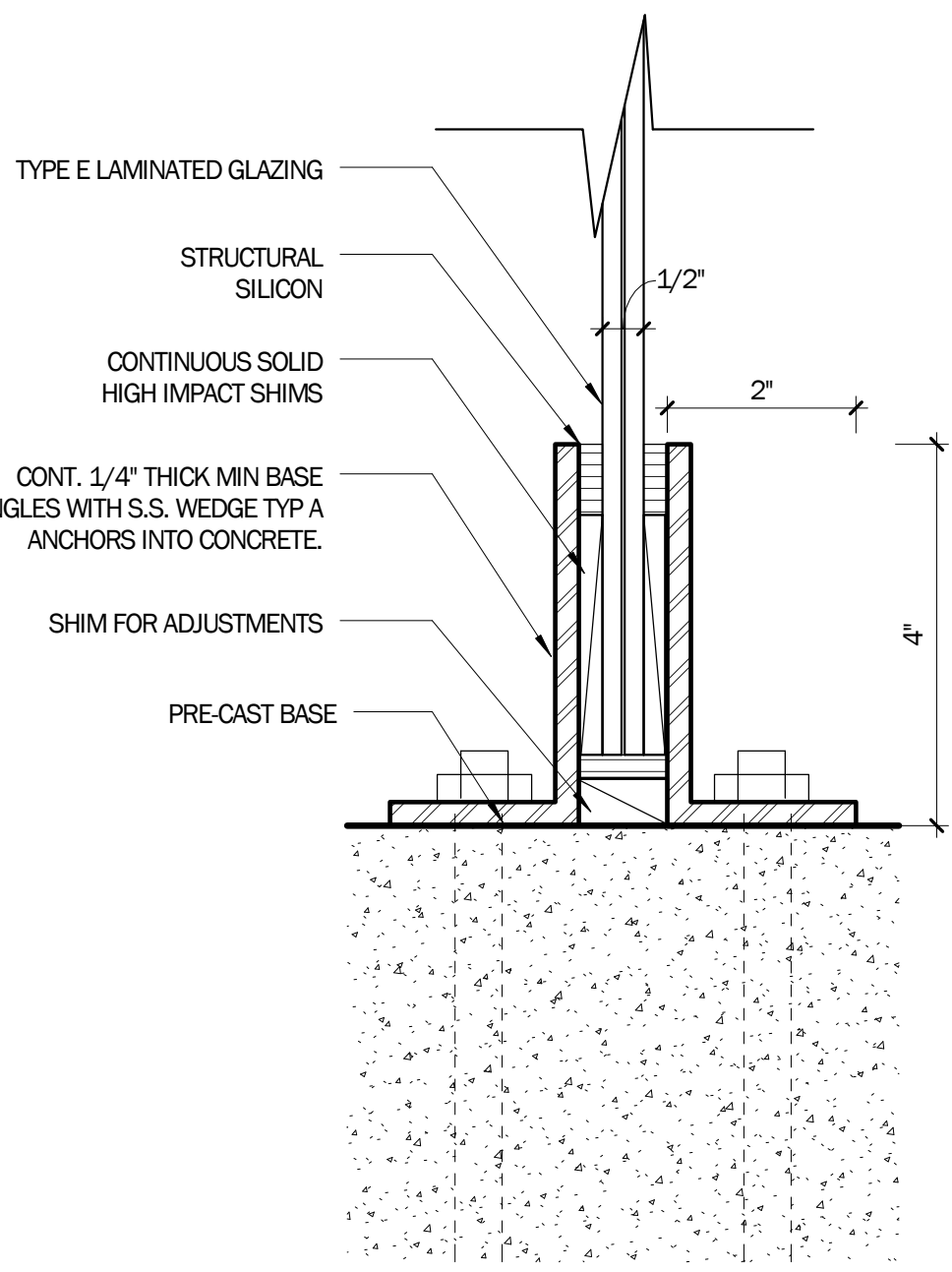
**6 GLAZING @ GLASS TOP EDGE**  
6" = 1'-0"



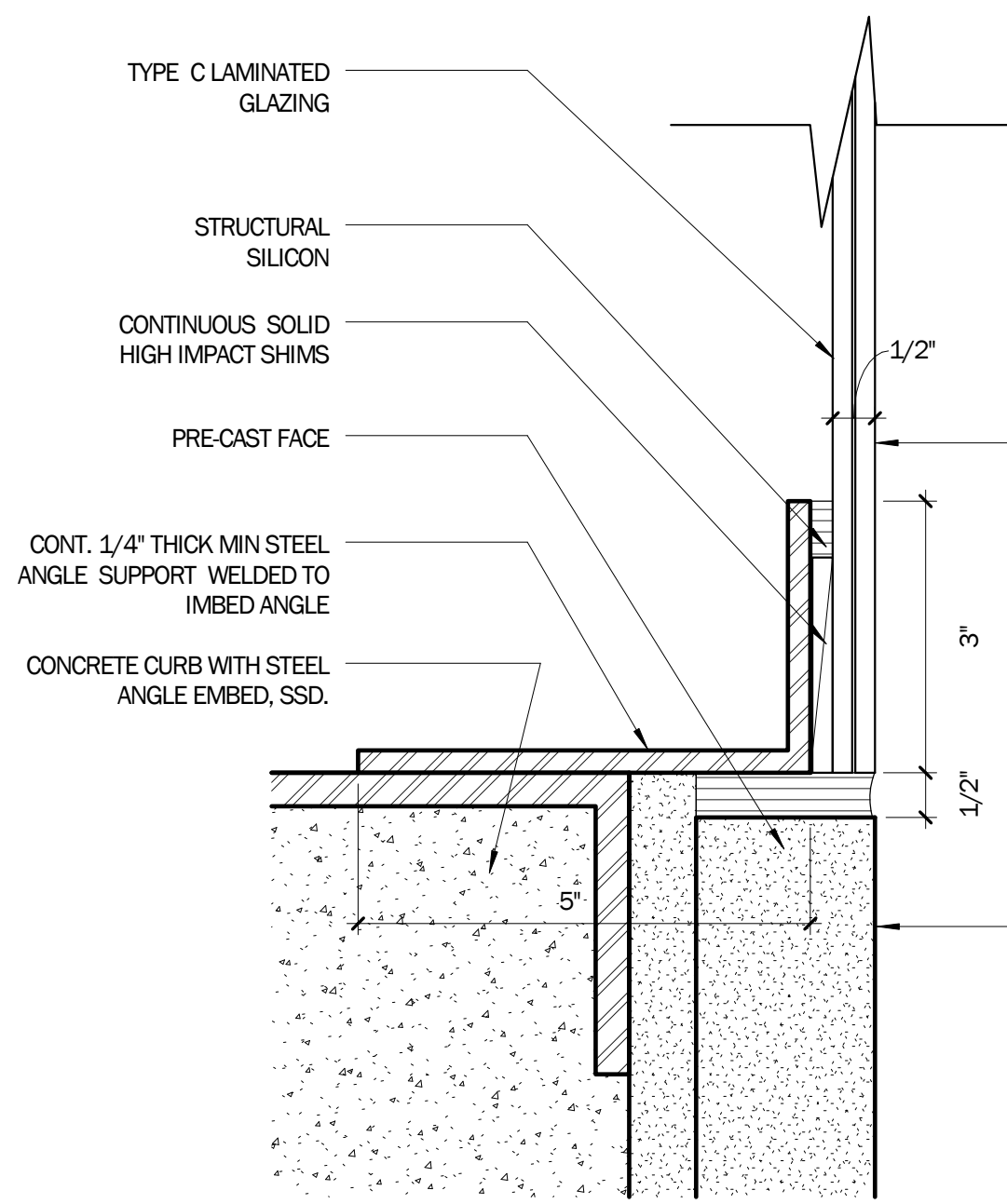
**5 GLAZING @ STRUCTURAL FIN, TYP**  
6" = 1'-0"



**4 GLAZING @ CORNER**  
6" = 1'-0"



**2 GLAZING @ STRUCTURAL FIN SHOE**  
6" = 1'-0"



**1 GLAZING @ BASE**  
6" = 1'-0"

**3 SECTION - MEDIA CENTER**  
1" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEN1401	Author	REVISIONS
DRAWN BY:		DATE:	03/31/2016
NO.		BY	
		DATE	

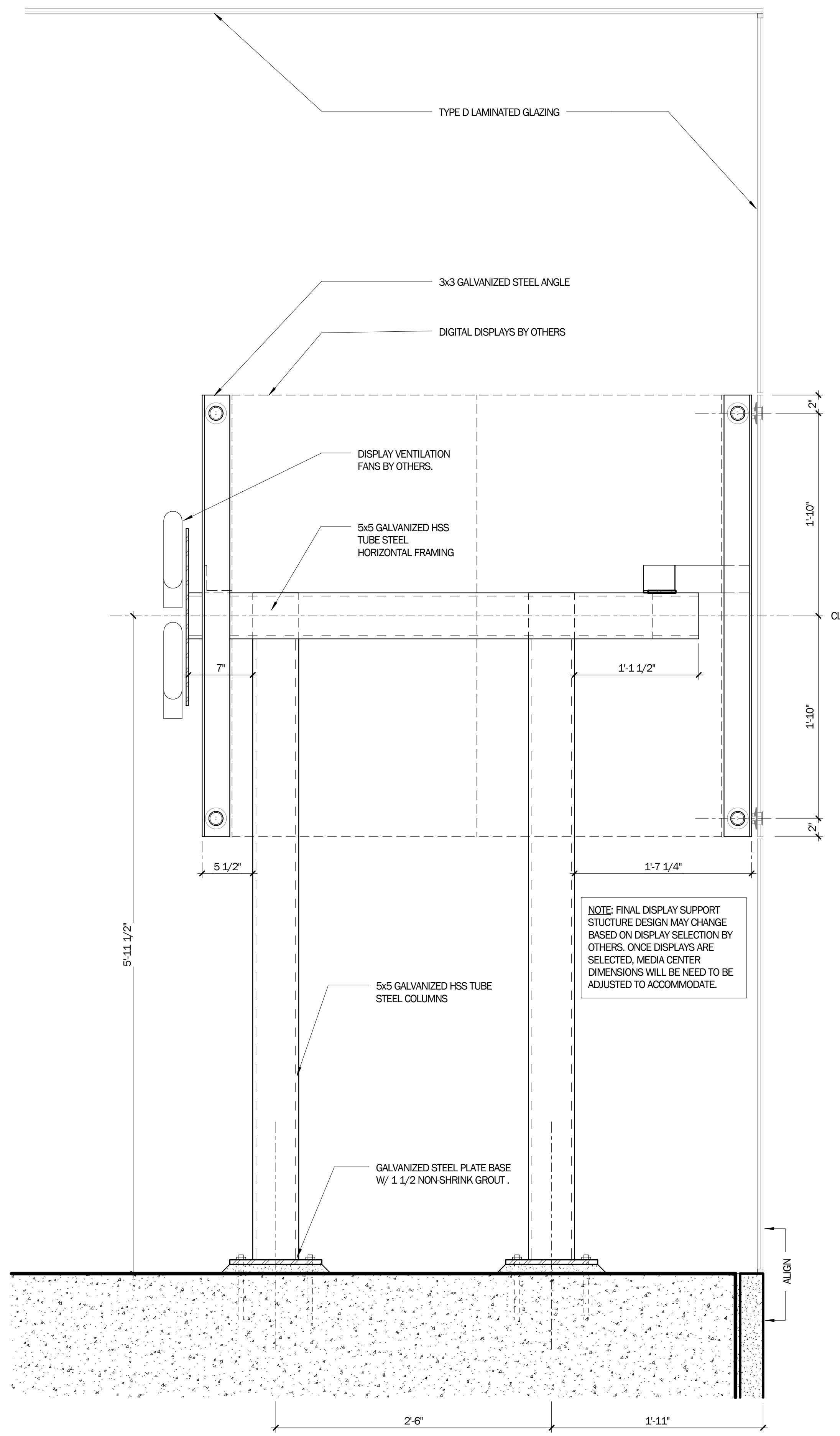
MEDIA CENTER - DETAILS

SHEET TITLE  
SCALE

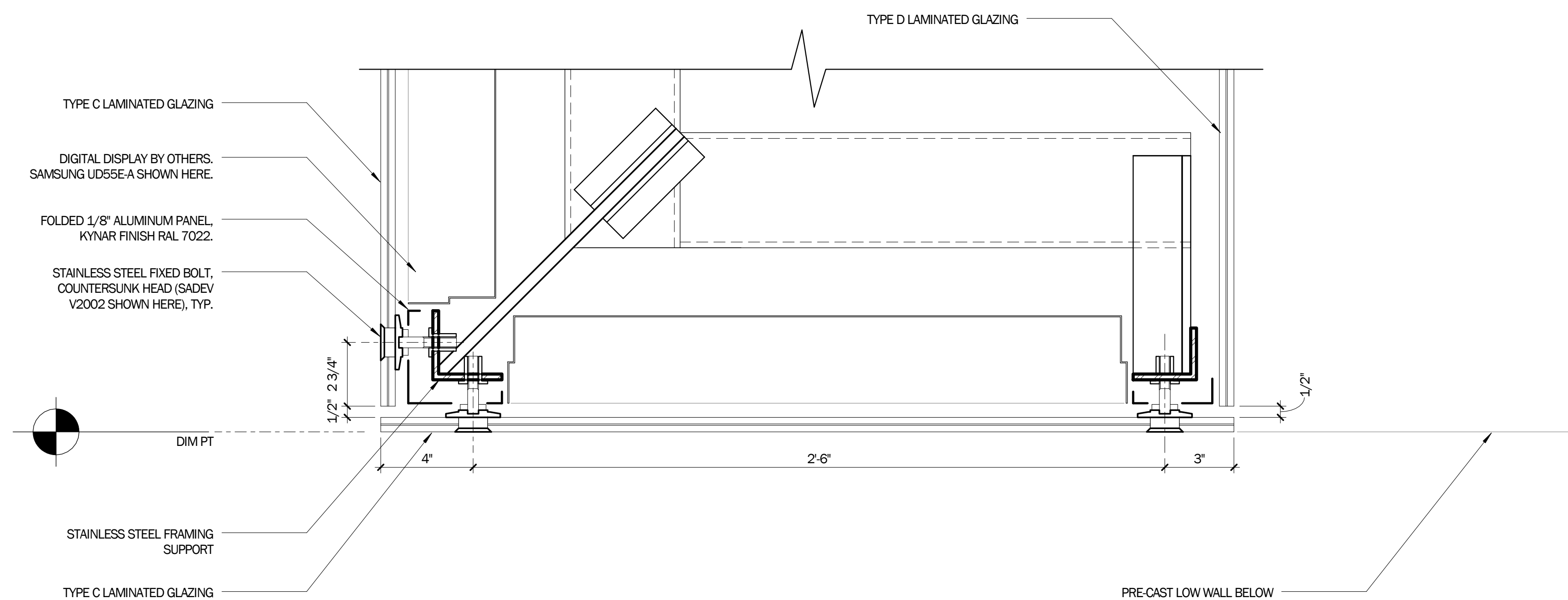
**A7.12**

DRAWING NO.

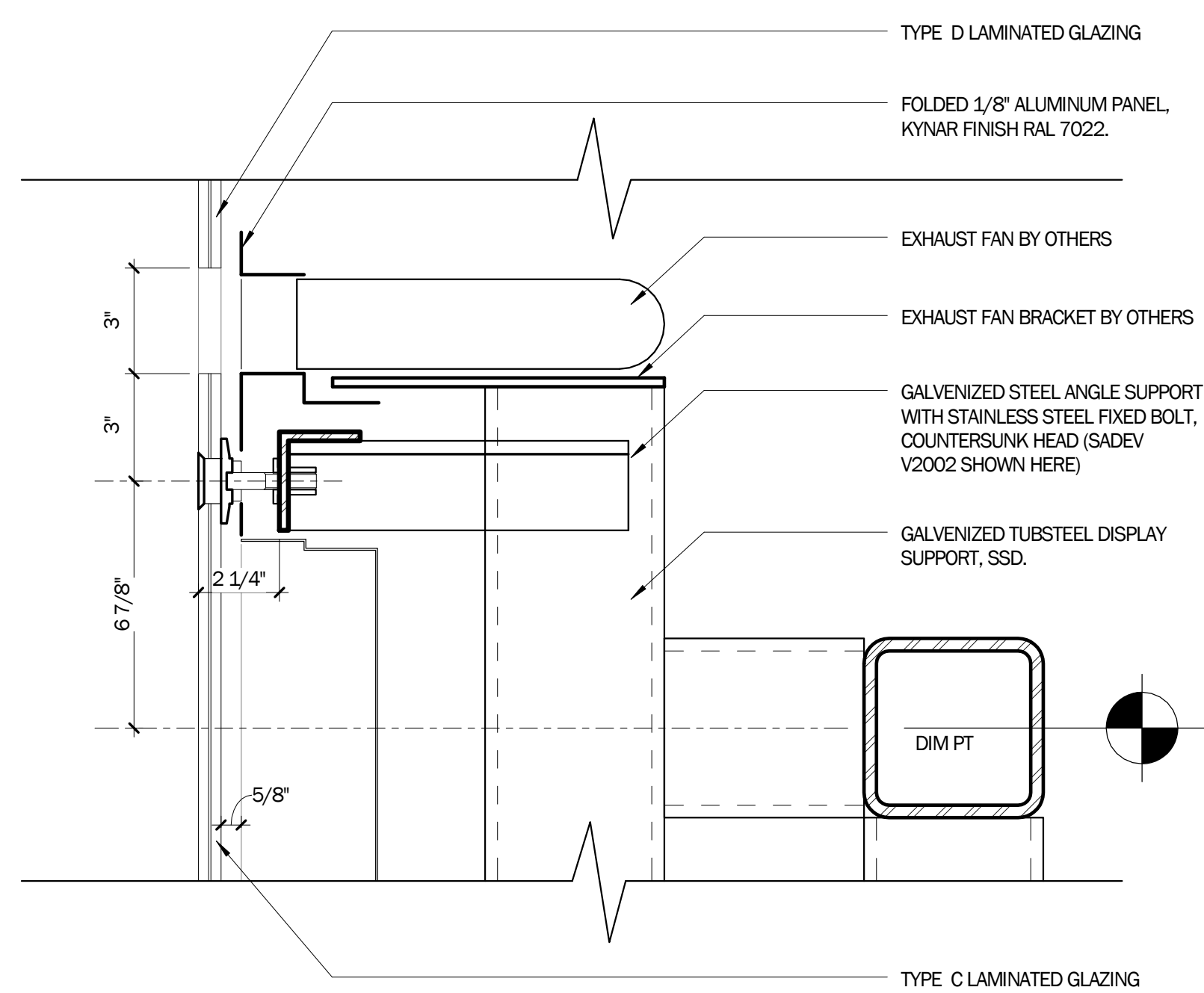
NOT FOR CONSTRUCTION



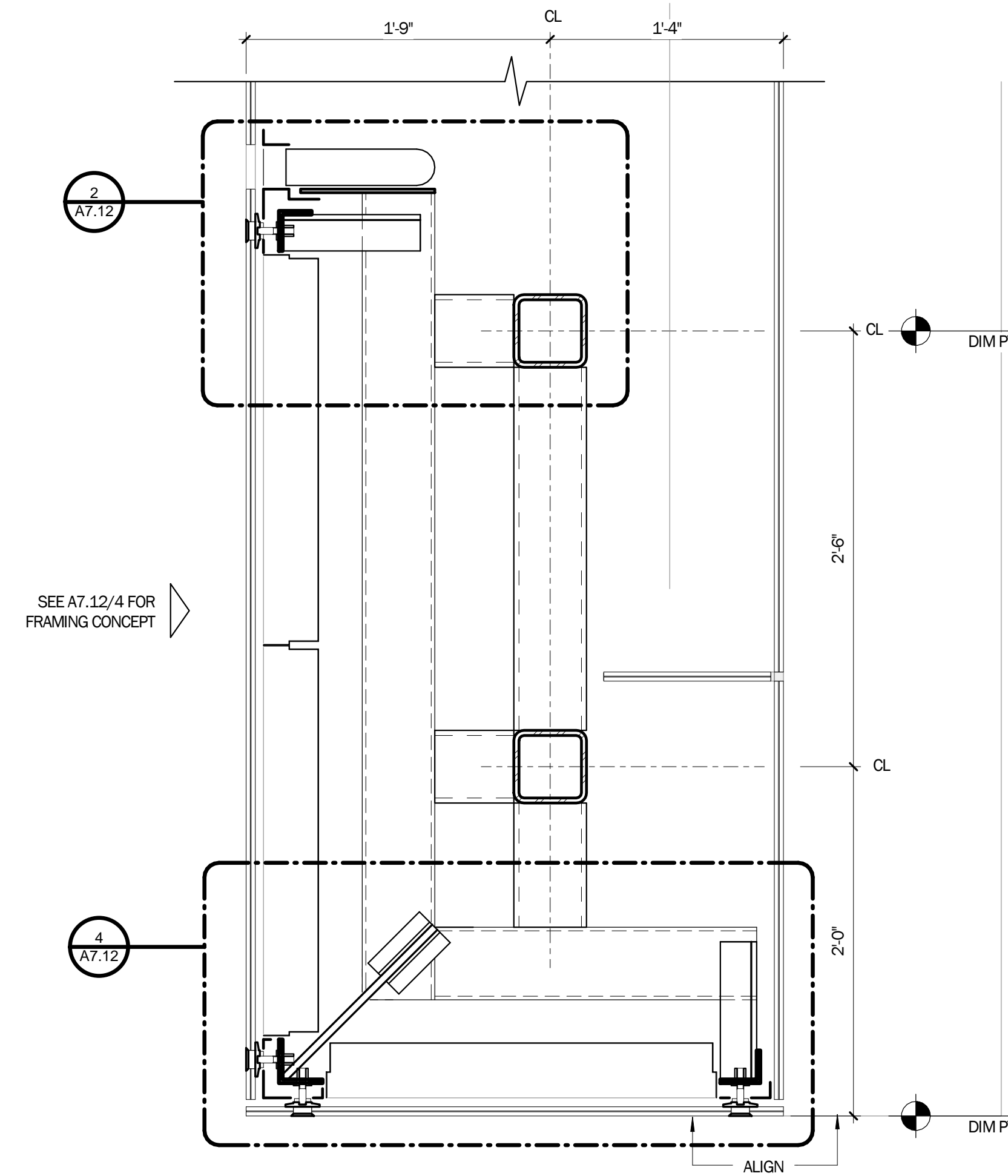
**3** CONCEPTUAL FRAMING ELEVATION @ MEDIA CENTER DISPLAY  
1 1/2" = 1'-0"



**4** POINT SUPPORT @ MEDIA CENTER DISPLAY EAST  
3" = 1'-0"



**2** POINT SUPPORT @ MEDIA CENTER DISPLAY WEST  
3" = 1'-0"



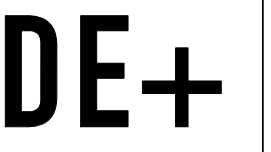
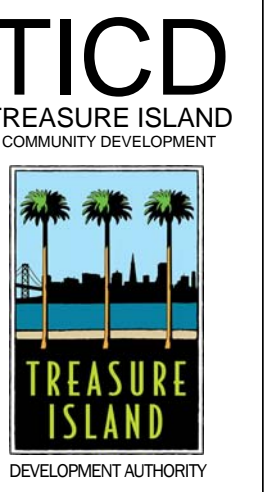
**1** FRAMING PLAN @ MEDIA CENTER DISPLAY  
1 1/2" = 1'-0"

SEATING NOTES

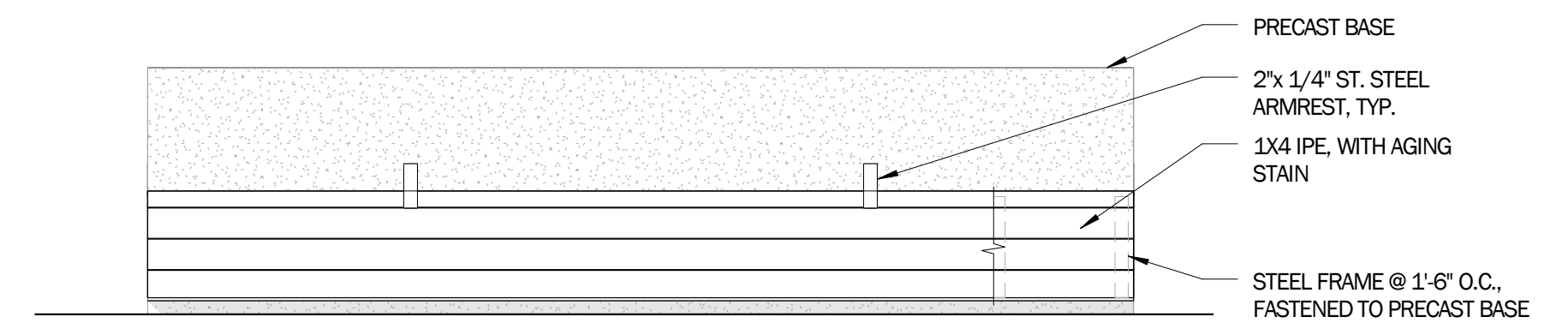
CUSTOM BENCH:

- MATERIALS:  
 IPE WOOD DECKING (2X4)  
 GFRP PRECAST CONCRETE BACKREST  
 1/2" STAINLESS STEEL ARMREST, 2" WIDTH  
 1/4" STAINLESS STEEL END PANEL (REMOVABLE)

1. ALL METAL WORK, TO BE 316 SS, PICKLE AND PASSIVATED, #4 BRUSH FINISH.

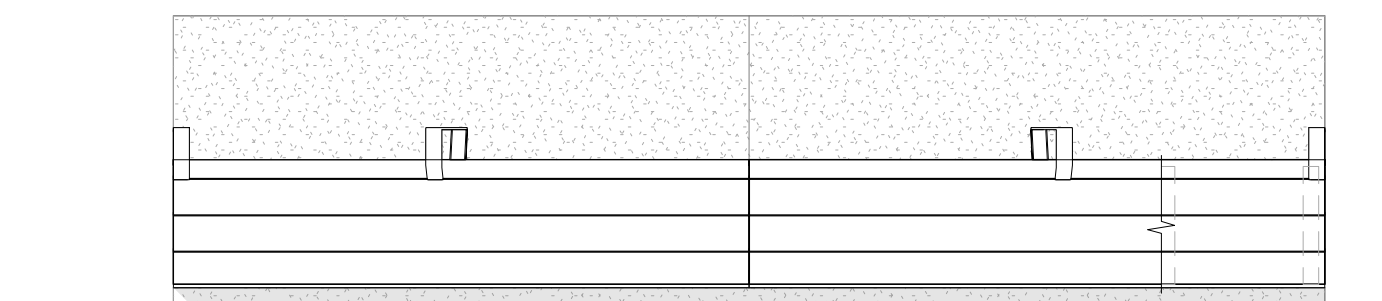


DILWORTH ELIOT STUDIO  
 1066 HOWARD ST  
 SAN FRANCISCO, CA 94103

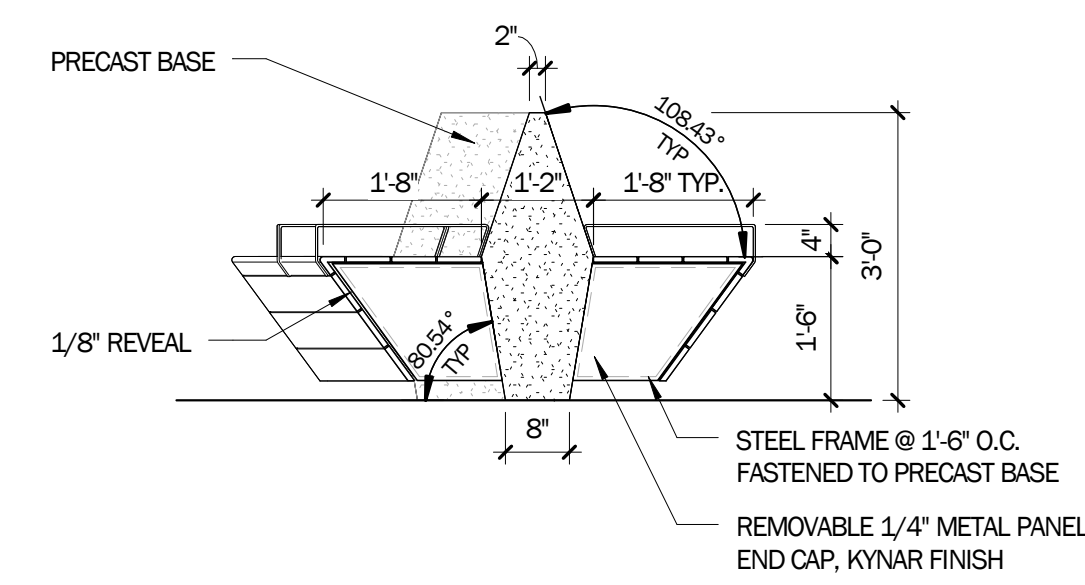


**5 BENCH ELEVATION, FRONT**  
 1/2" = 1'-0"

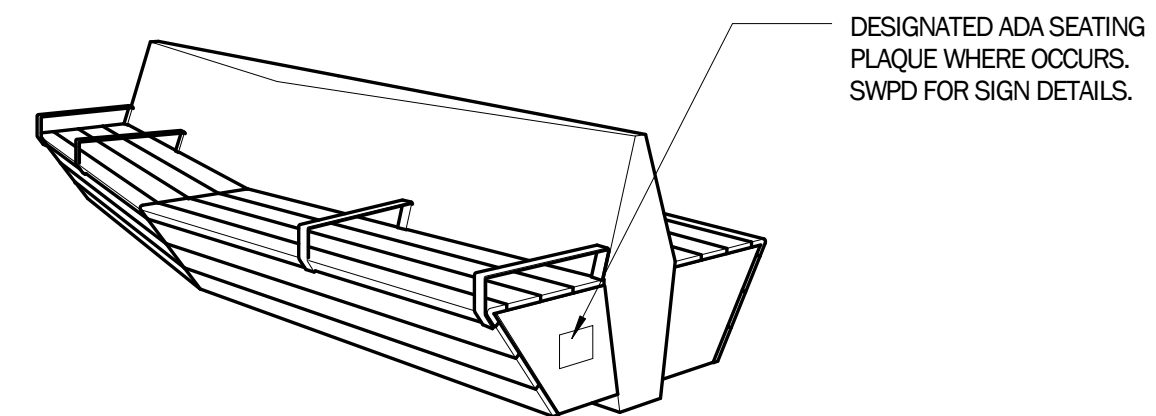
LICENSE STAMP



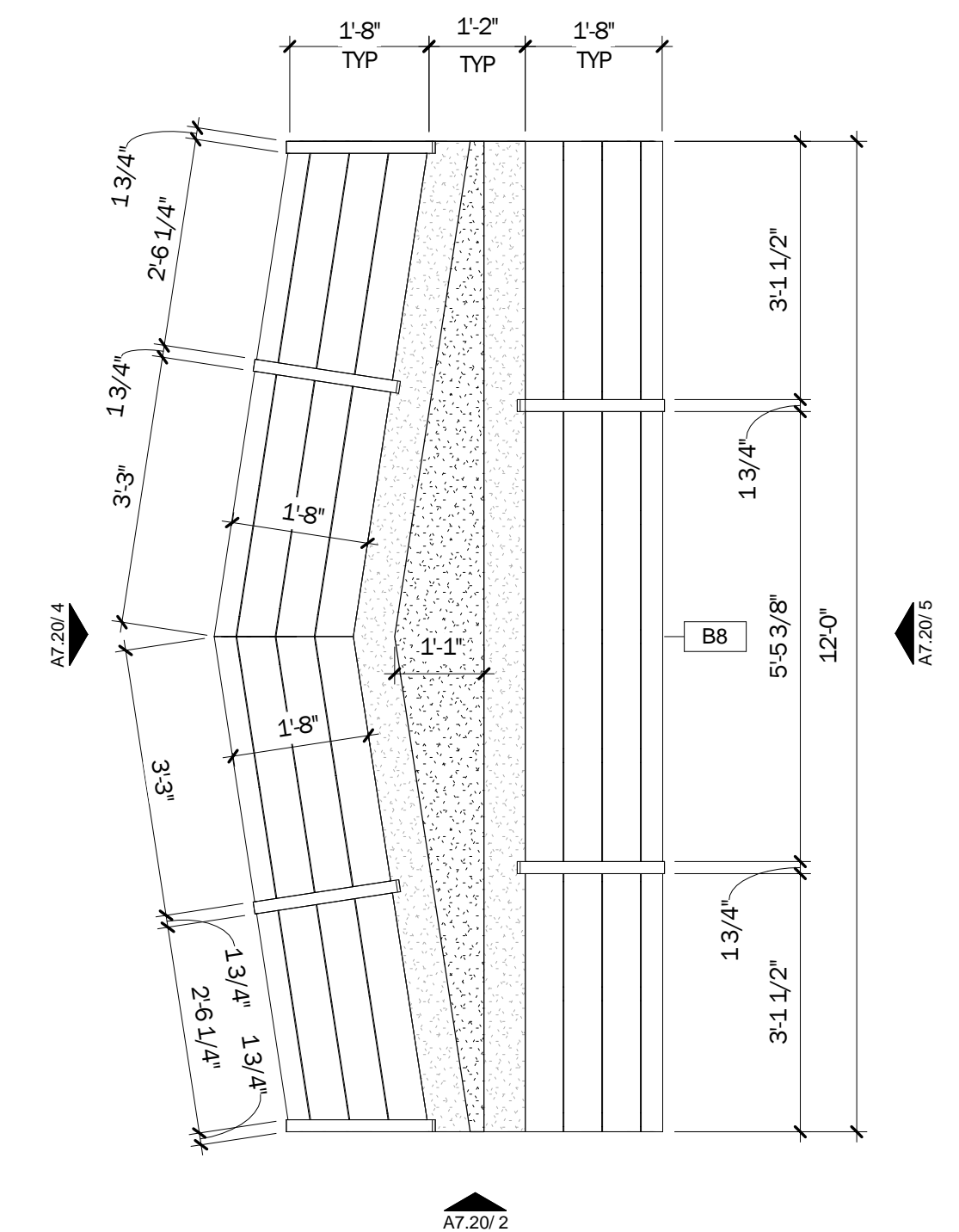
**4 BENCH ELEVATION, BACK**  
 1/2" = 1'-0"



**2 BENCH ELEVATION, SIDE**  
 1/2" = 1'-0"



**3 BENCH @ FERRY SHELTER INTERIOR**  
 1/2" = 1'-0"



**1 BENCH @ INTERIOR FERRY SHELTER**  
 1/2" = 1'-0"

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
 CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
**Ferry Shelter & Support Structures:**  
**Ferry & Bus Shelters**  
**PERMIT ISSUE**

PROJECT NO.	CHK	DATE	BY	DATE
LEN1401		03/31/2016		
DRAWN BY:	Author	REVISIONS	NO.	DESCRIPTION

SITE FURNITURE

SHEET TITLE  
 SCALE

**A7.20**

DRAWING NO.

NOT FOR CONSTRUCTION

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE**

PROJECT NO:	LEN1401	CHK:	
DRAWN BY:	REVISIONS	DATE:	03/31/2016
NO.	DESCRIPTION	BY:	
		DATE:	

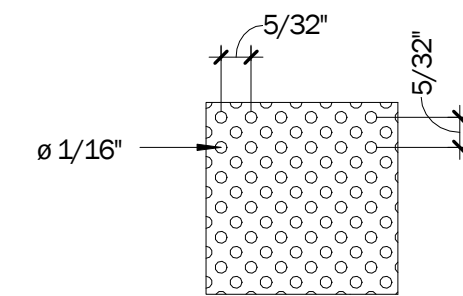
WINDSCREEN  
SCHEDULE &  
DETAILS

SHEET TITLE  
SCALE

**A8.10**

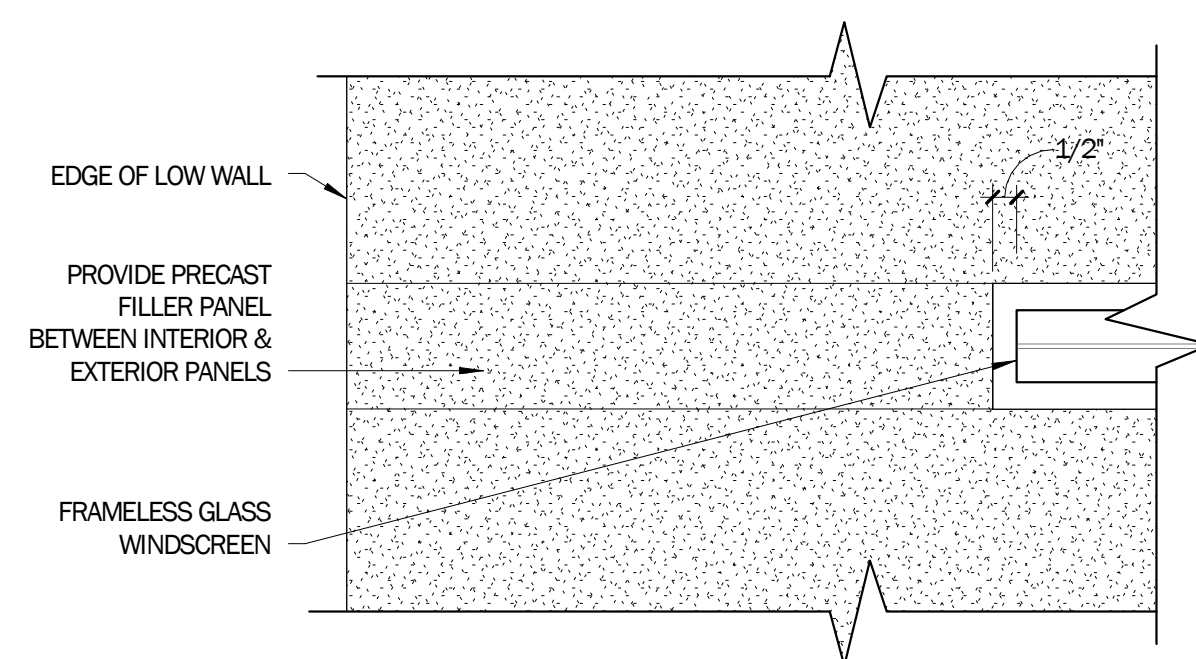
DRAWING NO.

NOT FOR CONSTRUCTION

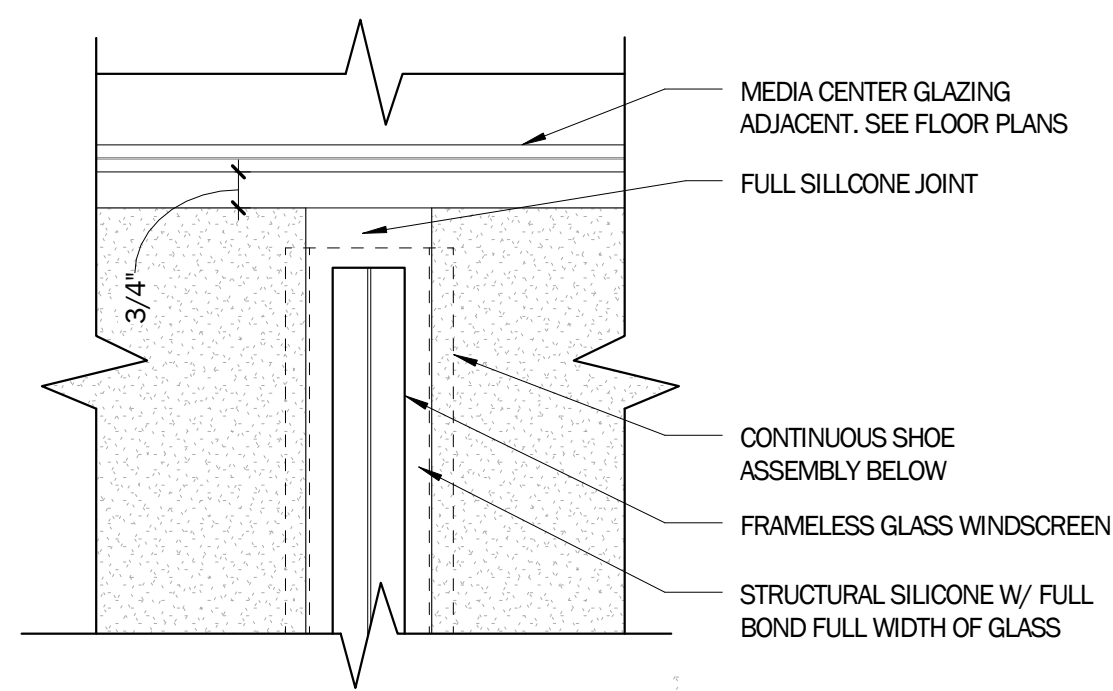


NOTE: 2 LAYERS OF FRIT  
COLOR 1: TBD

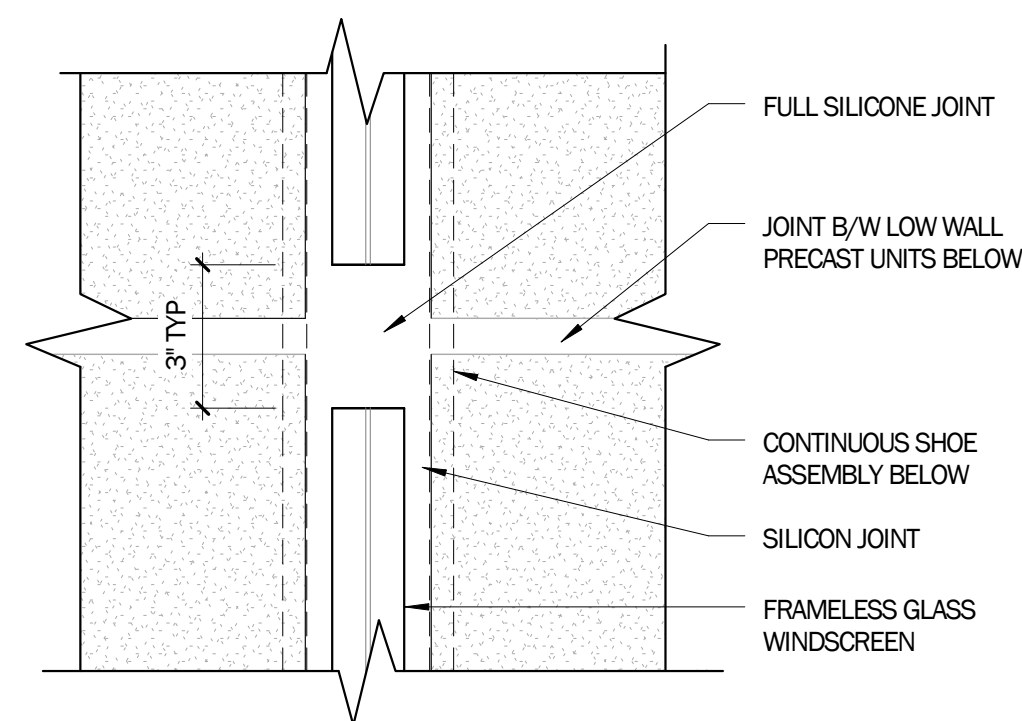
**5 FRIT PATTERN**  
12" = 1'-0"



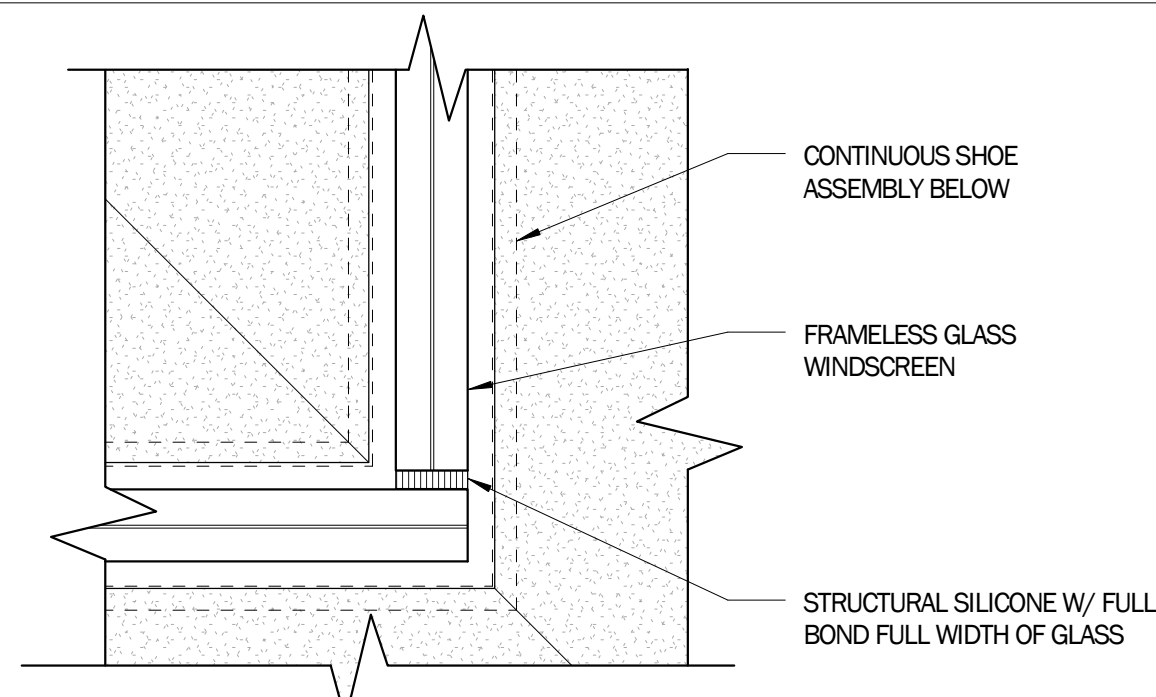
**9 DETAIL @ END OF WIND SCREEN**  
3" = 1'-0"



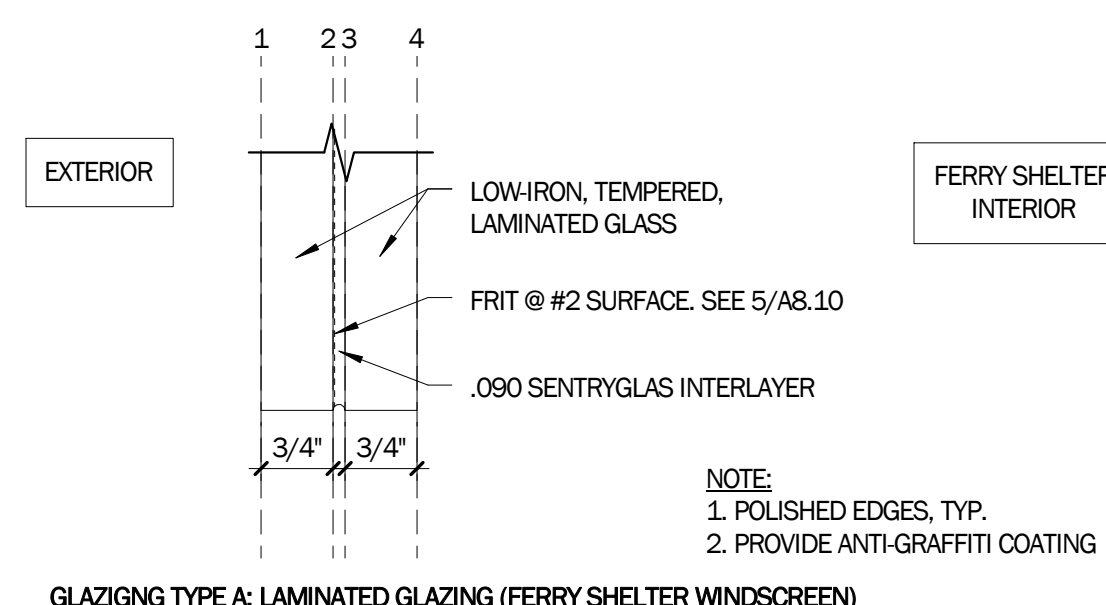
**8 WINDSCREEN PANEL END - FERRY SHELTER**  
3" = 1'-0"



**7 DETAIL @ WIND SCREEN PANEL JOINT**  
3" = 1'-0"

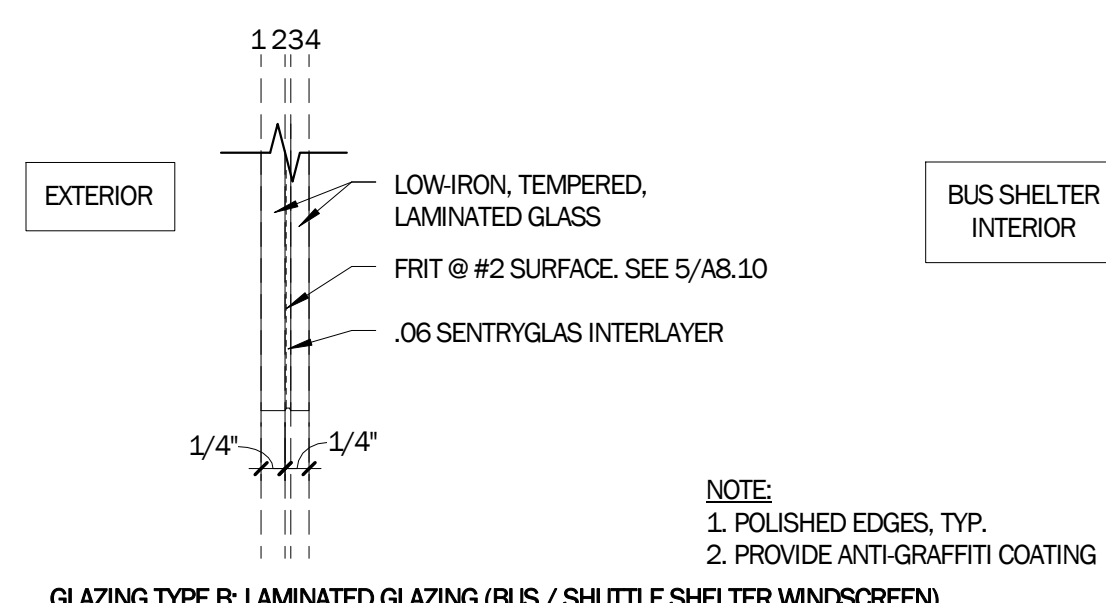


**6 WINDSCREEN CORNER JOINT - FERRY SHELTER**  
3" = 1'-0"



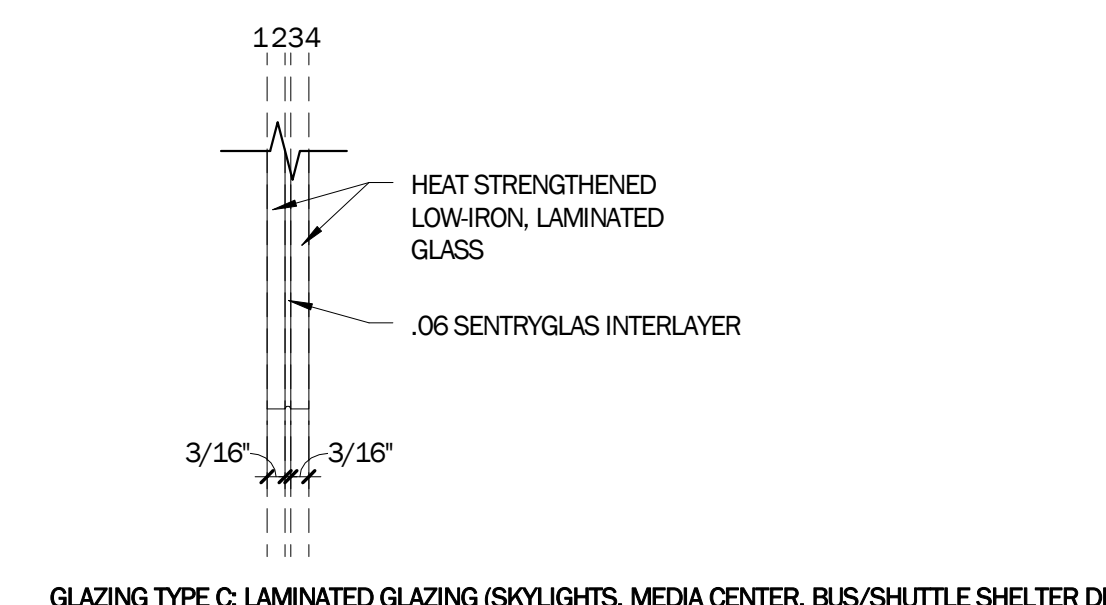
**GLAZING TYPE A: LAMINATED GLAZING (FERRY SHELTER WINDSCREEN)**

NOTE:  
1. POLISHED EDGES, TYP.  
2. PROVIDE ANTI-GRAFFITI COATING

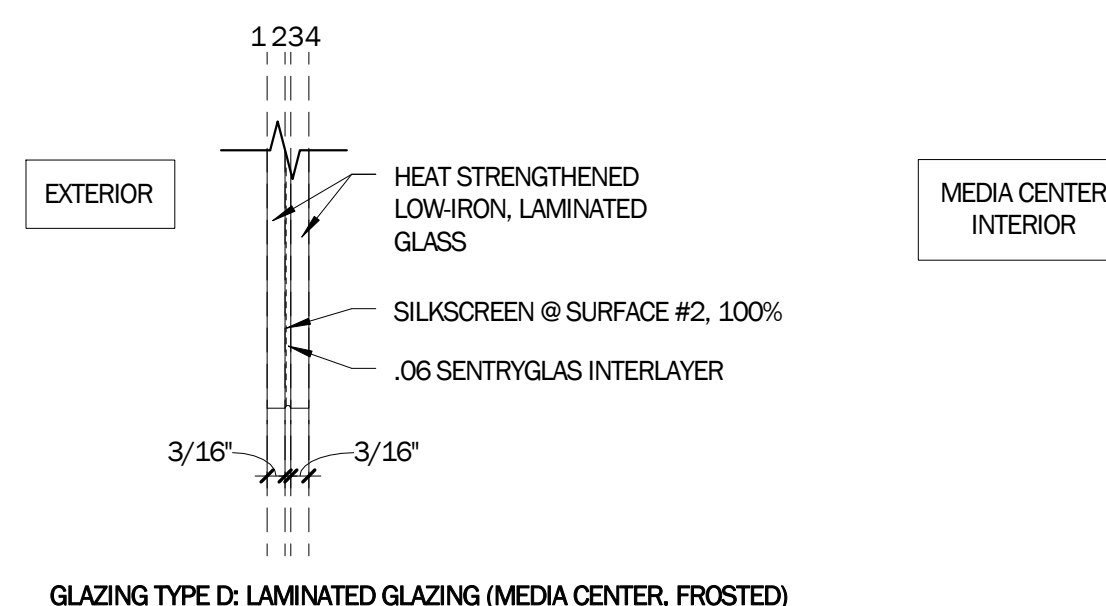


**GLAZING TYPE B: LAMINATED GLAZING (BUS / SHUTTLE SHELTER WINDSCREEN)**

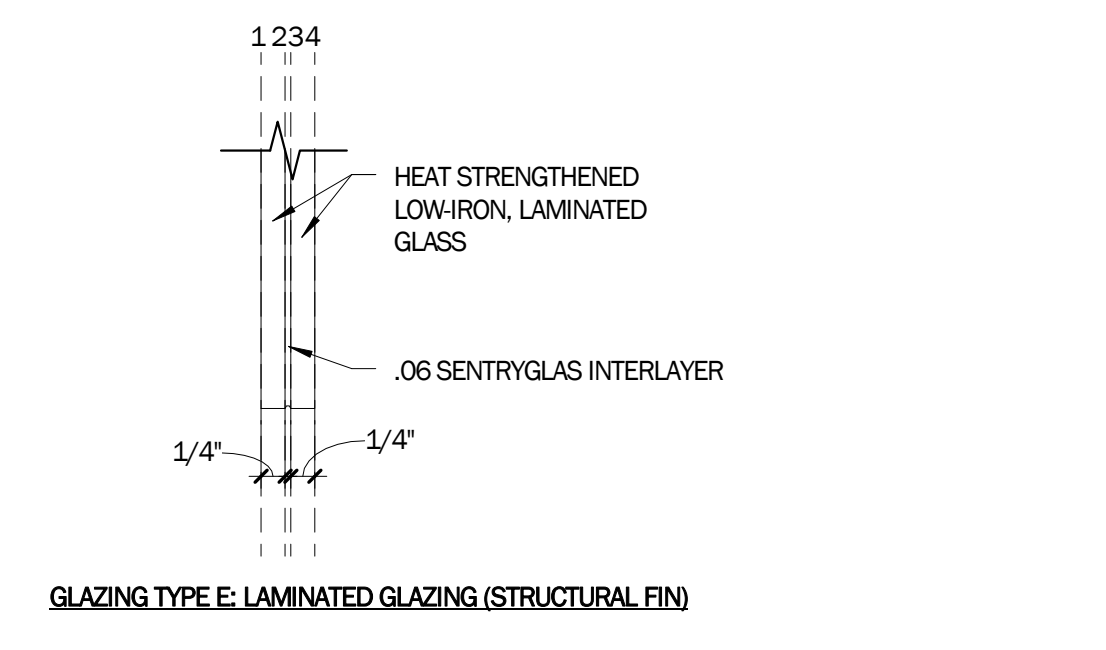
NOTE:  
1. POLISHED EDGES, TYP.  
2. PROVIDE ANTI-GRAFFITI COATING



**GLAZING TYPE C: LAMINATED GLAZING (SKYLIGHTS, MEDIA CENTER, BUS/SHUTTLE SHELTER DISPLAY)**

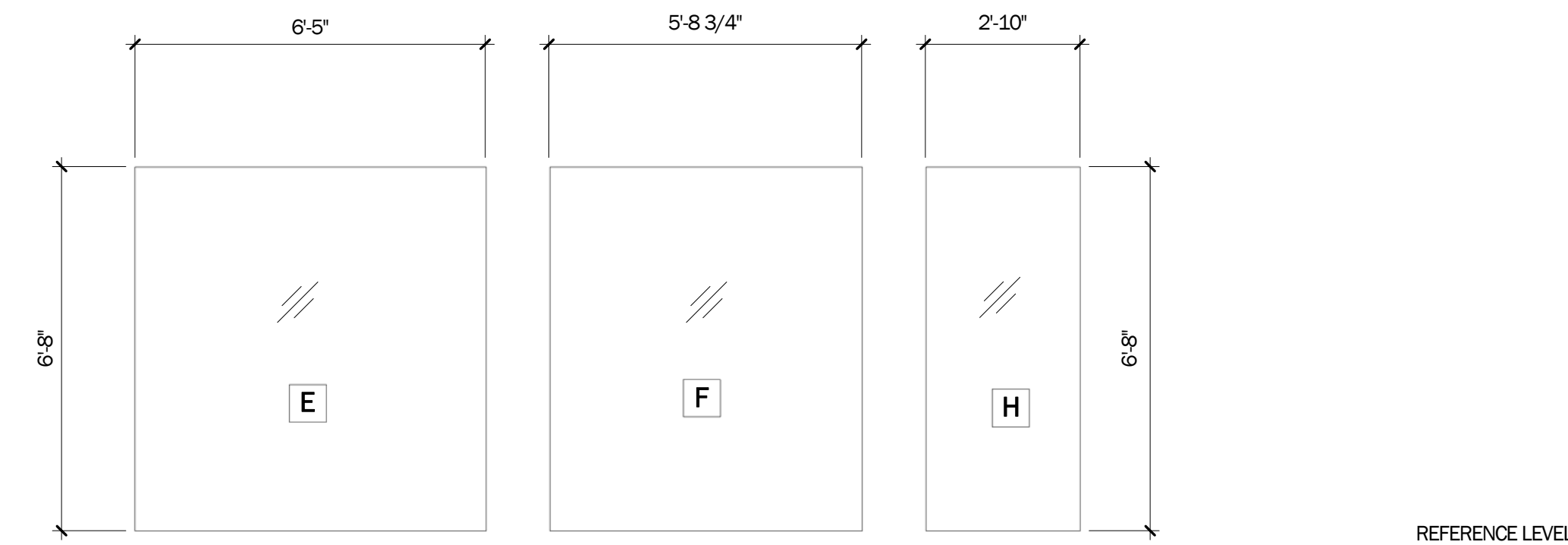


**GLAZING TYPE D: LAMINATED GLAZING (MEDIA CENTER, FROSTED)**



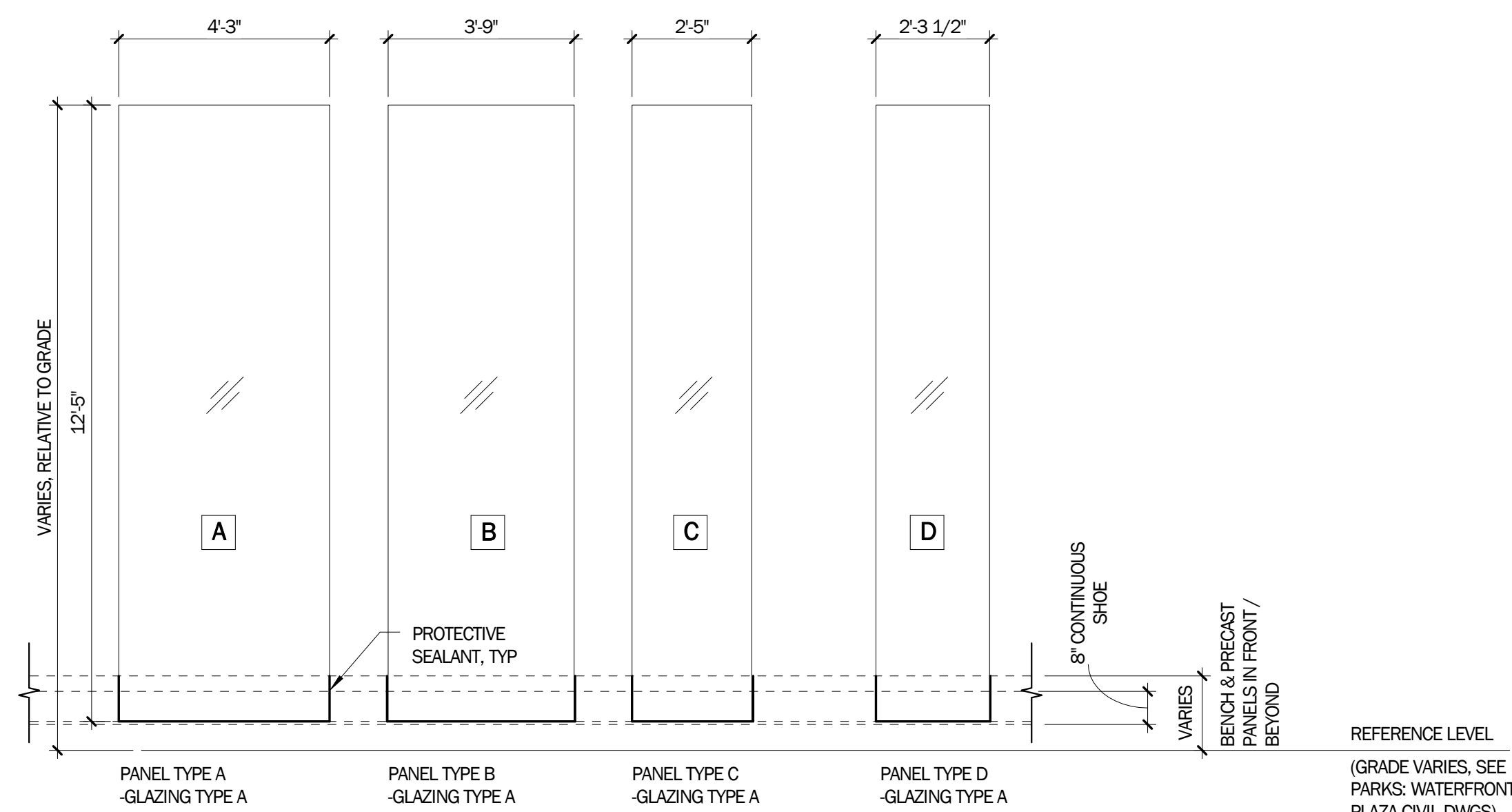
**GLAZING TYPE E: LAMINATED GLAZING (STRUCTURAL FIN)**

**4 GLAZING TYPES**  
6" = 1'-0"



NOTES:  
1. FOR GLAZING TYPES, SEE 4/A8.10.  
2. FOR FRIT PATTERN, SEE 5/A8.10

**2 WINDSCREEN GLASS PANEL SCHEDULE - BUS / SHUTTLE SHELTERS**  
3/8" = 1'-0"

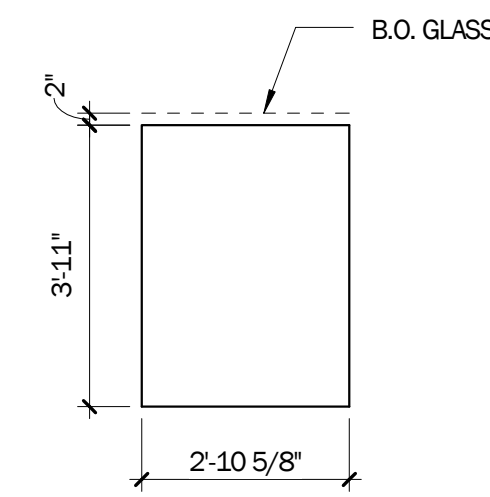


NOTES:  
1. WINDSCREEN CONTINUOUS SHOE TO BE LEVEL THROUGHOUT FERRY SHELTER. GRADE ELEVATIONS VARY. SEE WATERFRONT PLAZA DRAWINGS FOR FINAL CIVIL GRADES.  
2. FOR GLAZING TYPES, SEE 4/A8.10.  
3. FOR FRIT PATTERN, SEE 5/A8.10

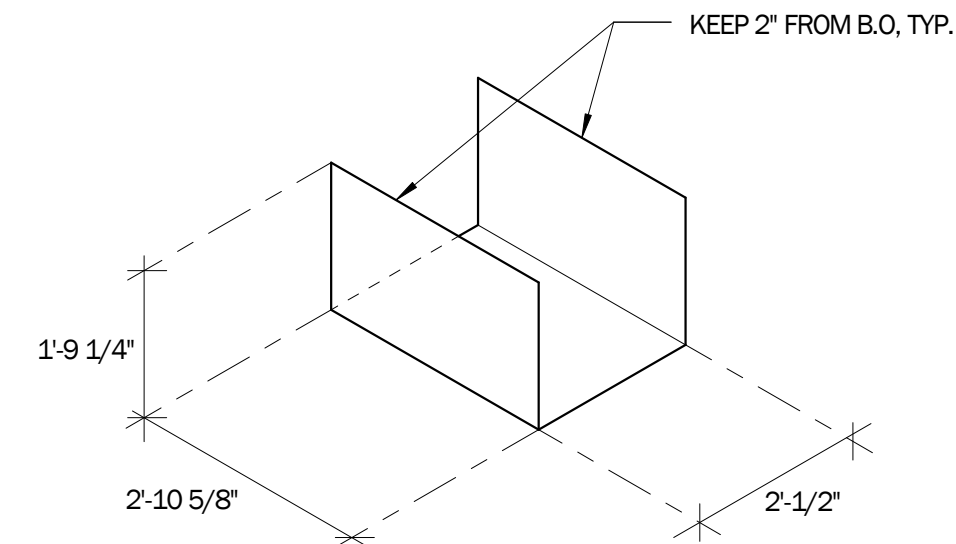
**1 FRAMELESS GLASS WINDSCREEN PANEL SCHEDULE - FERRY SHELTER**  
3/8" = 1'-0"



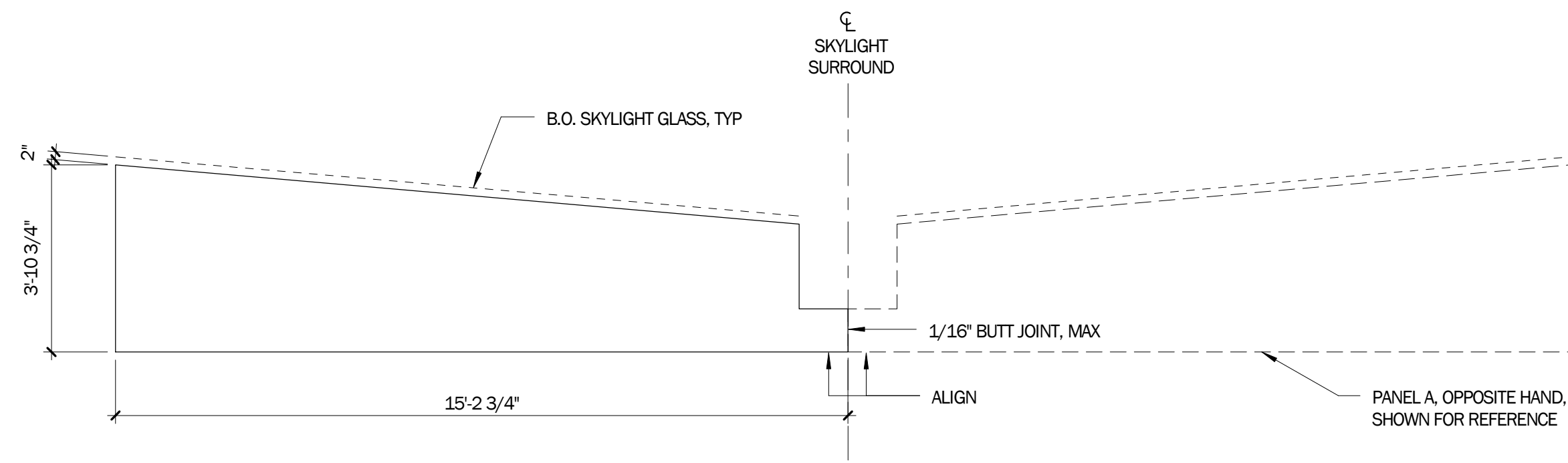
C:\Users\hardy\Documents\A11 FERRY SHELTER\_2015\Central\_10\dwg\skltdetl.dwg



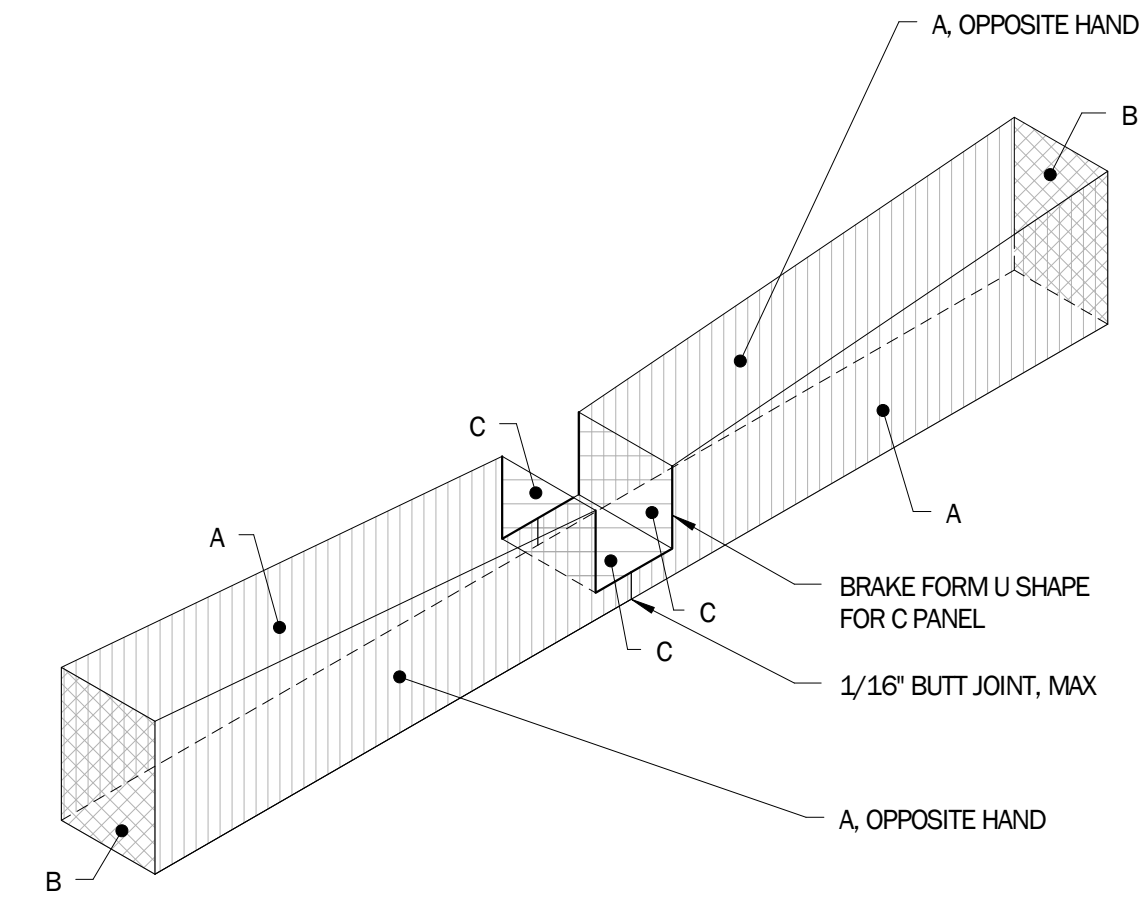
**12 SKYLIGHT SURROUND PANEL "B" ELEVATION**  
3/8" = 1'-0"



**10 SKYLIGHT SURROUND PANEL "C" ELEVATION**  
3/8" = 1'-0"

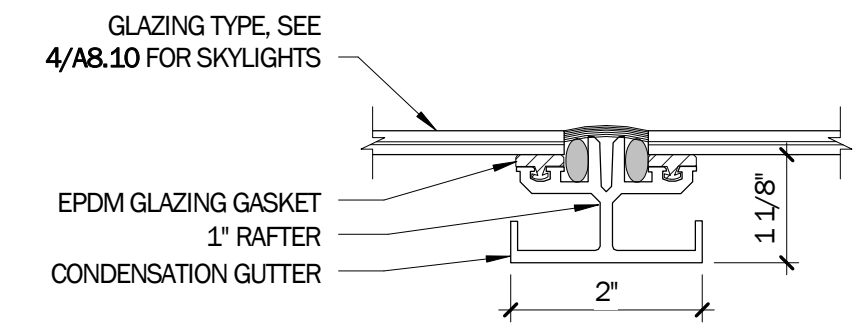


**11 SKYLIGHT SURROUND PANEL "A" ELEVATION**  
3/8" = 1'-0"

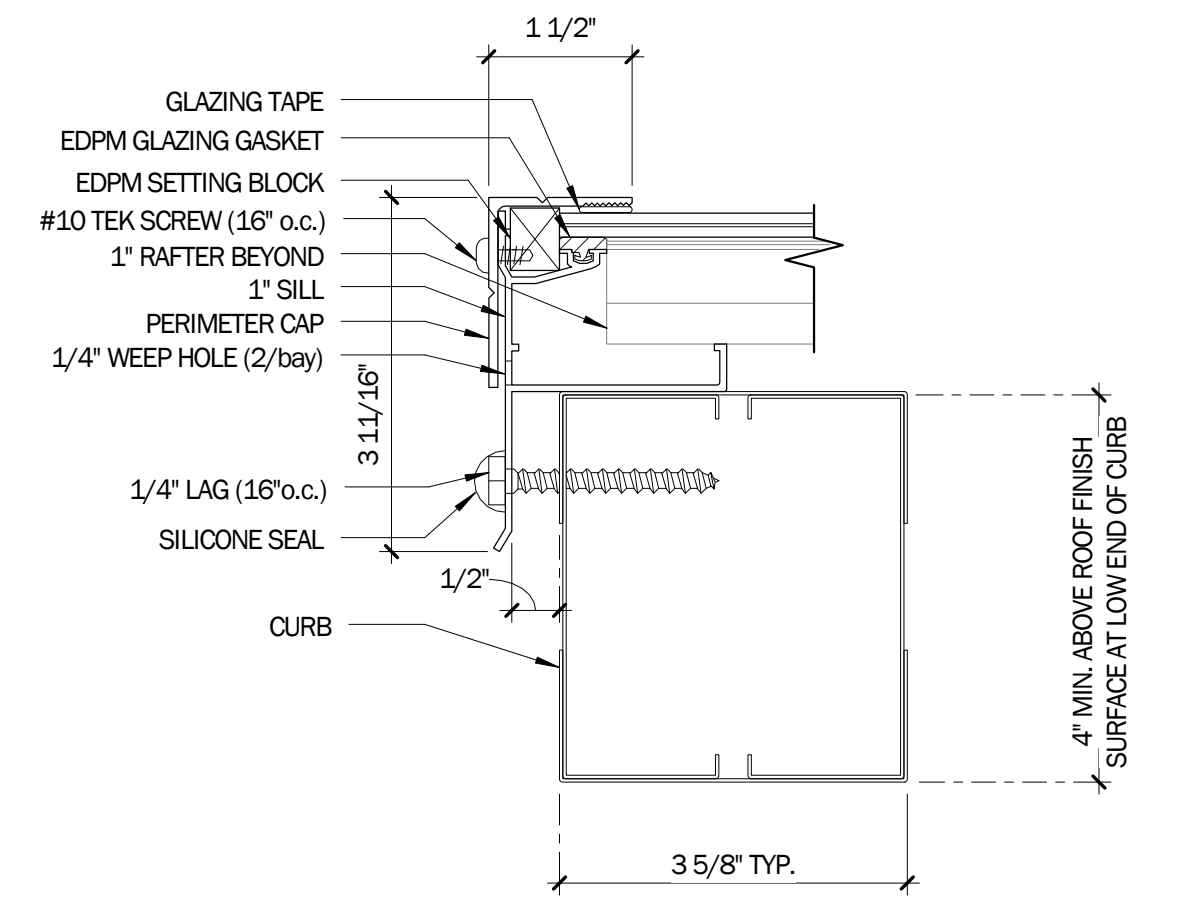


**NOTE:**  
1. SKYLIGHT SURROUND ALUMINUM PANEL DIMENSIONS PROVIDED AS ROUGH DIMENSIONS. EXACT DIMENSIONS TO BE VERIFIED IN FIELD AT EACH SKYLIGHT.  
2. SKYLIGHT SURROUND PANELS SHALL BE 3/16" ALUMINUM SHEETS WITH CUSTOM COLOR AND KYNAR COATING.  
3. 1/16" MAX JOINTS BETWEEN PANELS, TYP.  
4. SEE **A10.21** & **A10.22** FOR SKYLIGHT SURROUND FRAMING DETAILS  
5. SKYLIGHT SURROUND PANELS TO HAVE WELDED STUDS FOR CONNECTION TO SKYLIGHT SURROUND FRAMING, AND NO EXPOSED FASTENERS.

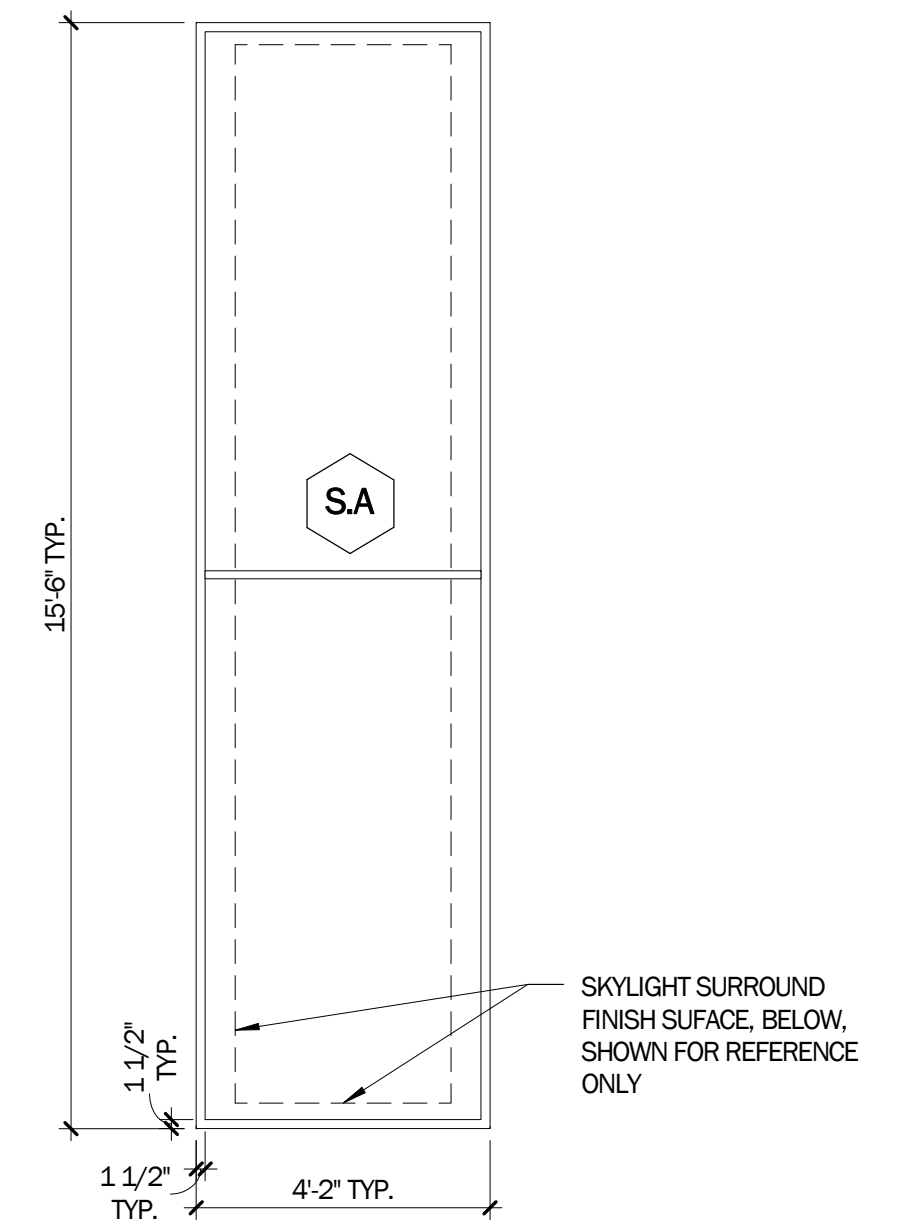
**4 SKYLIGHT SURROUND KEY PLAN**  
3/16" = 1'-0"



**3 SKYLIGHT RAFTER DETAIL**  
6" = 1'-0"



**2 SKYLIGHT SILL DETAIL**  
6" = 1'-0"



**NOTES:**  
1. SKYLIGHTS ARE GLAZING TYPE C.  
2. FOR GLAZING TYPES, SEE **4/AB.10**

**1 SKYLIGHT SCHEDULE**  
3/8" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO.	CHK	DATE	BY	DATE
LEN1401		03/31/2016		
DRAWN BY:	REVISIONS	NO.	DESCRIPTION	

SKYLIGHT  
SCHEDULE &  
DETAILS

SHEET TITLE  
SCALE

**A8.20**

DRAWING NO.

NOT FOR CONSTRUCTION

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

PARKS  
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Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO. LEN1401	CHK:	DATE:	BY:	DATE:
DRAWN BY:	REVISIONS			
NO.	DESCRIPTION			

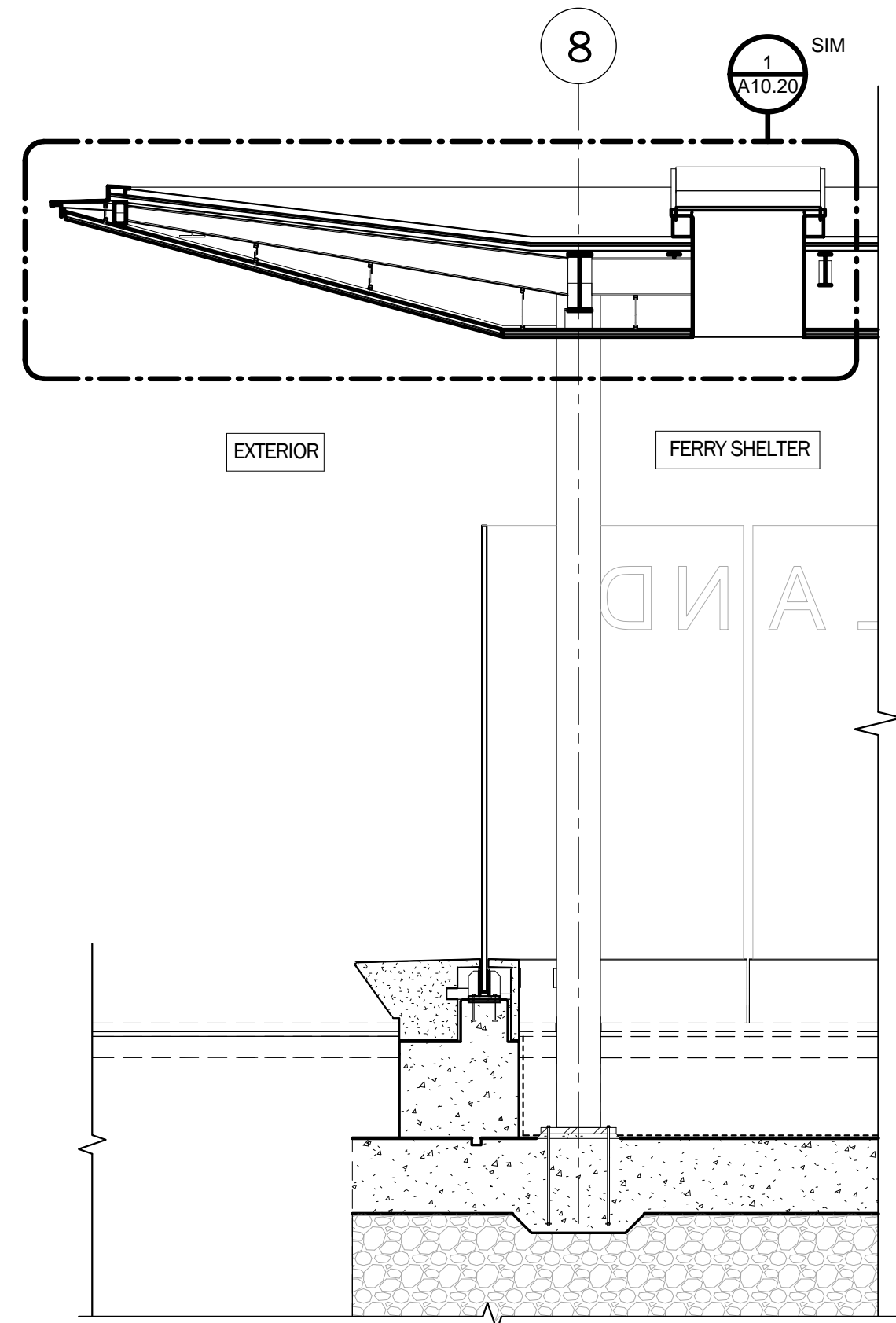
WALL  
SECTIONS &  
DETAILS  
SHEET TITLE  
SCALE

A9.10

DRAWING NO.

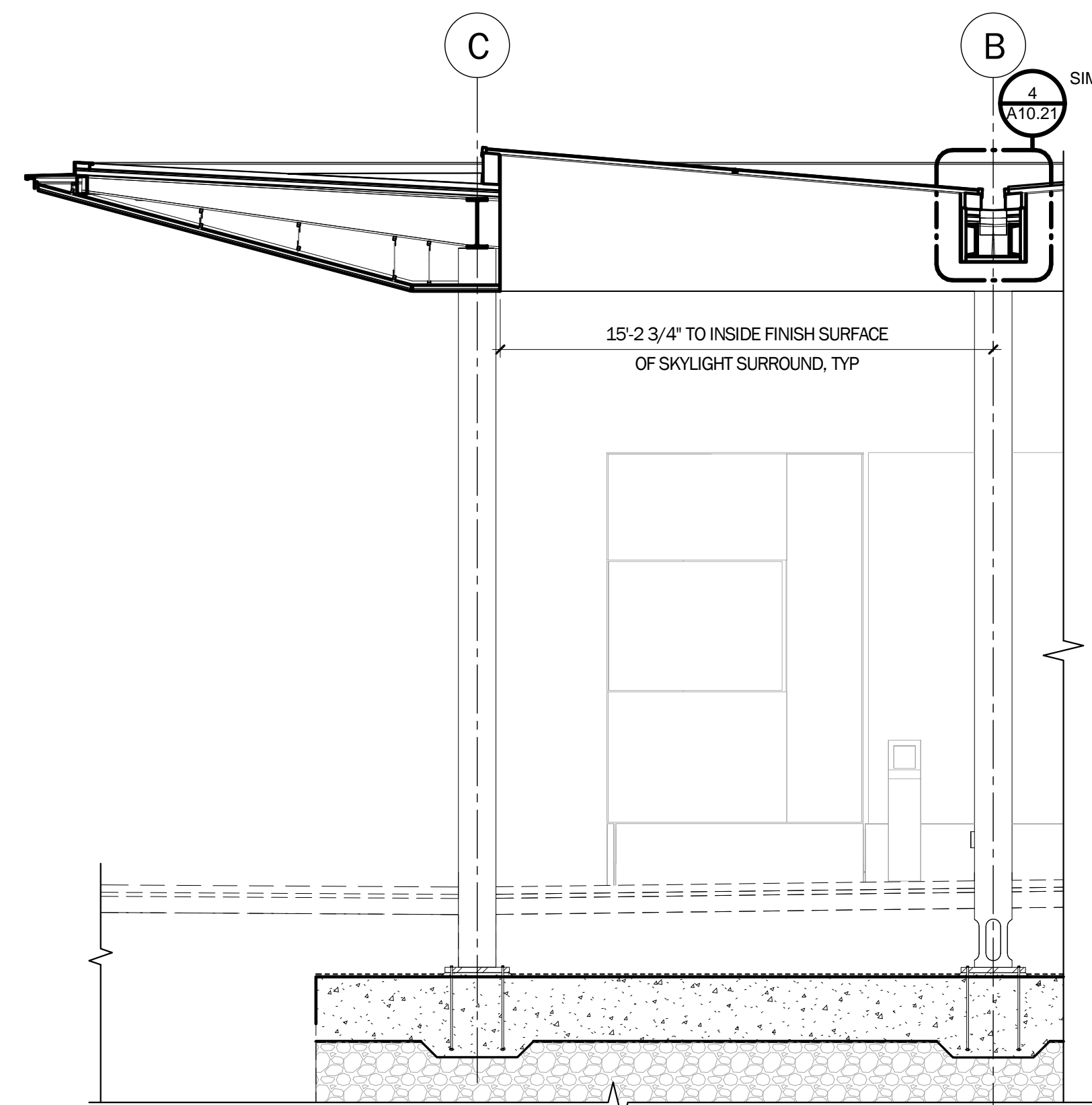
NOT FOR CONSTRUCTION

NOTE: SEE 1/A9.10 FOR INFORMATION NOT NOTED HEREIN.



**4 WALL SECTION**  
1/4" = 1'-0"

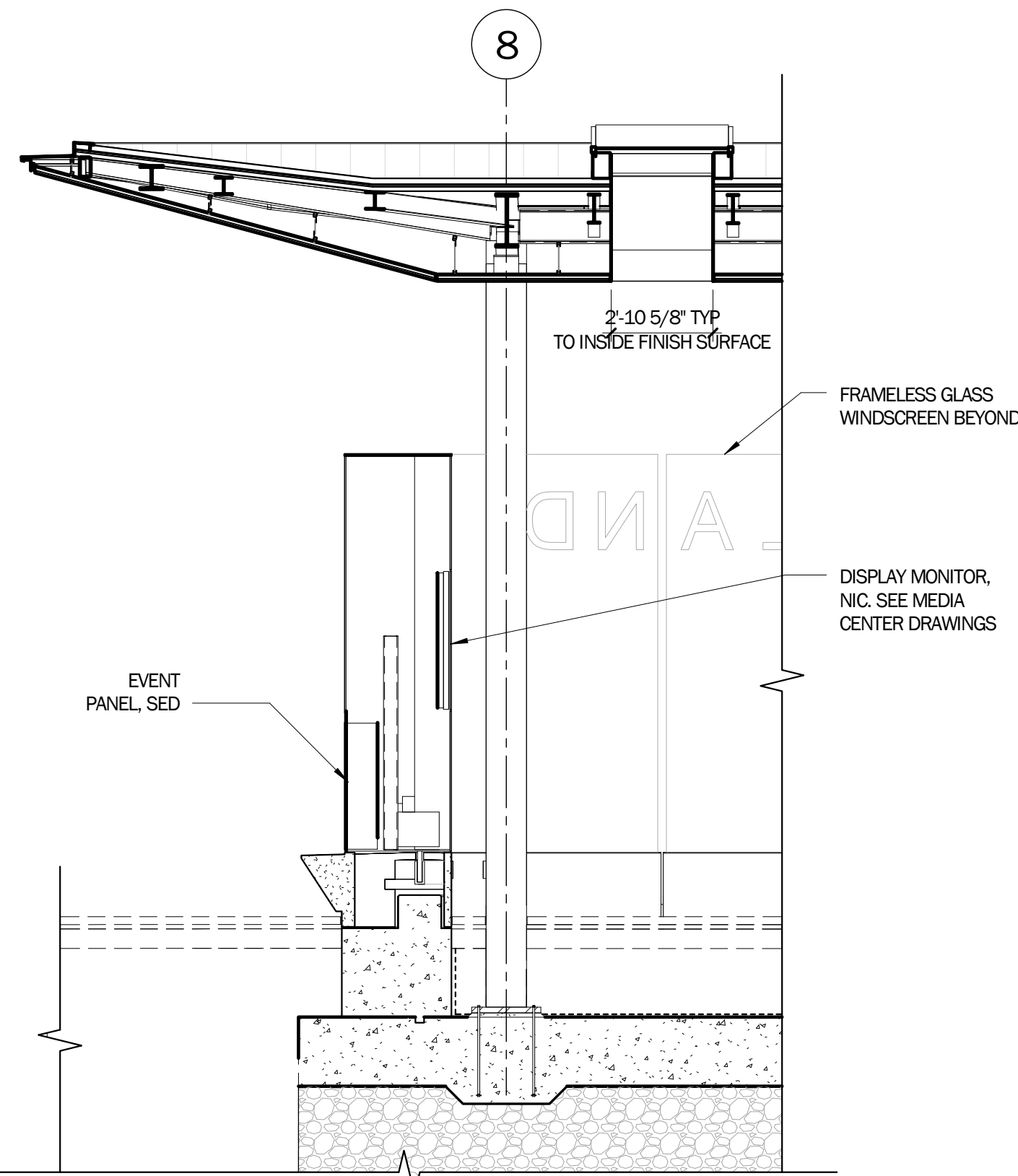
NOTE: SEE 1/A9.10 FOR INFORMATION NOT NOTED HEREIN.



**2 WALL SECTION**  
1/4" = 1'-0"

NOTE: SEE SKYLIGHT SURROUND DETAILS A8.20, AND ROOF DETAIL SHEETS A10.20, A10.21, A10.22, AND A10.23 FOR ADDITIONAL DETAILS ON SKYLIGHT SURROUNDS

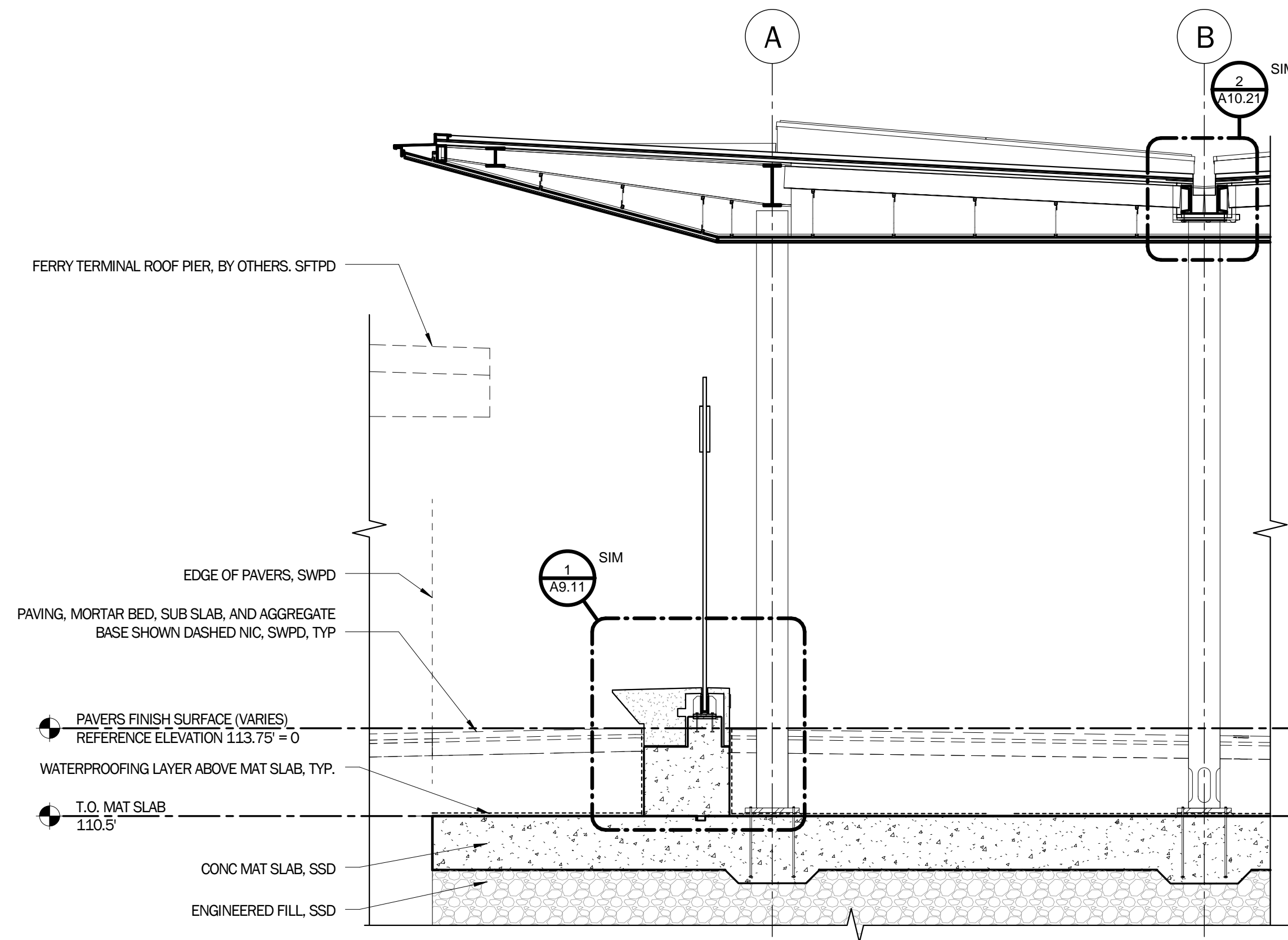
NOTE: SEE 1/A9.10 FOR INFORMATION NOT NOTED HEREIN.



**3 WALL SECTION**  
1/4" = 1'-0"

NOTE: SEE SKYLIGHT SURROUND DETAILS A8.20, AND ROOF DETAIL SHEETS A10.20, A10.21, A10.22, AND A10.23 FOR ADDITIONAL DETAILS ON SKYLIGHT SURROUNDS

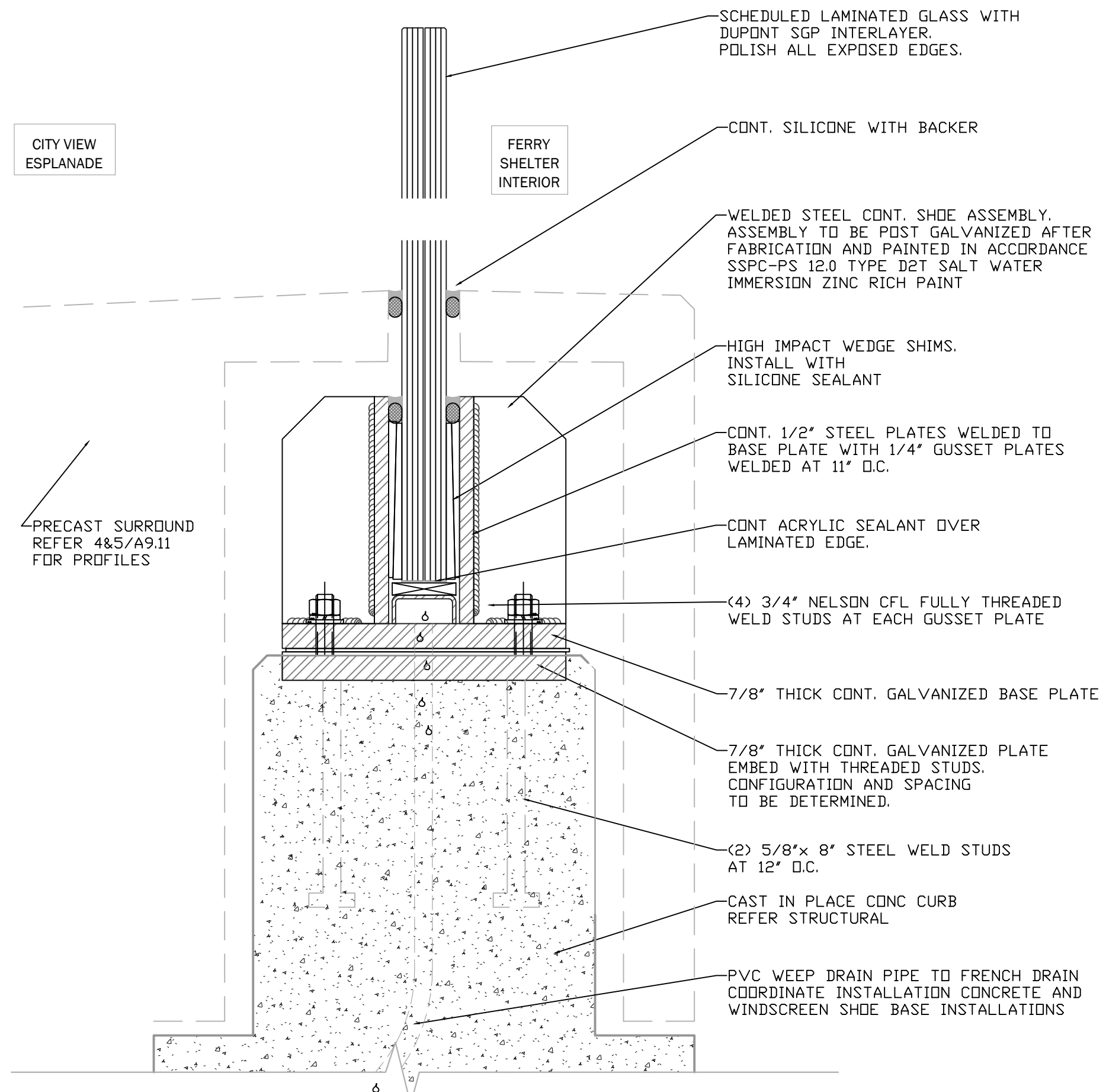
NOTE: ELEVATIONS NOTED HEREIN ARE CIVIL SITE ELEVATIONS, SWPD



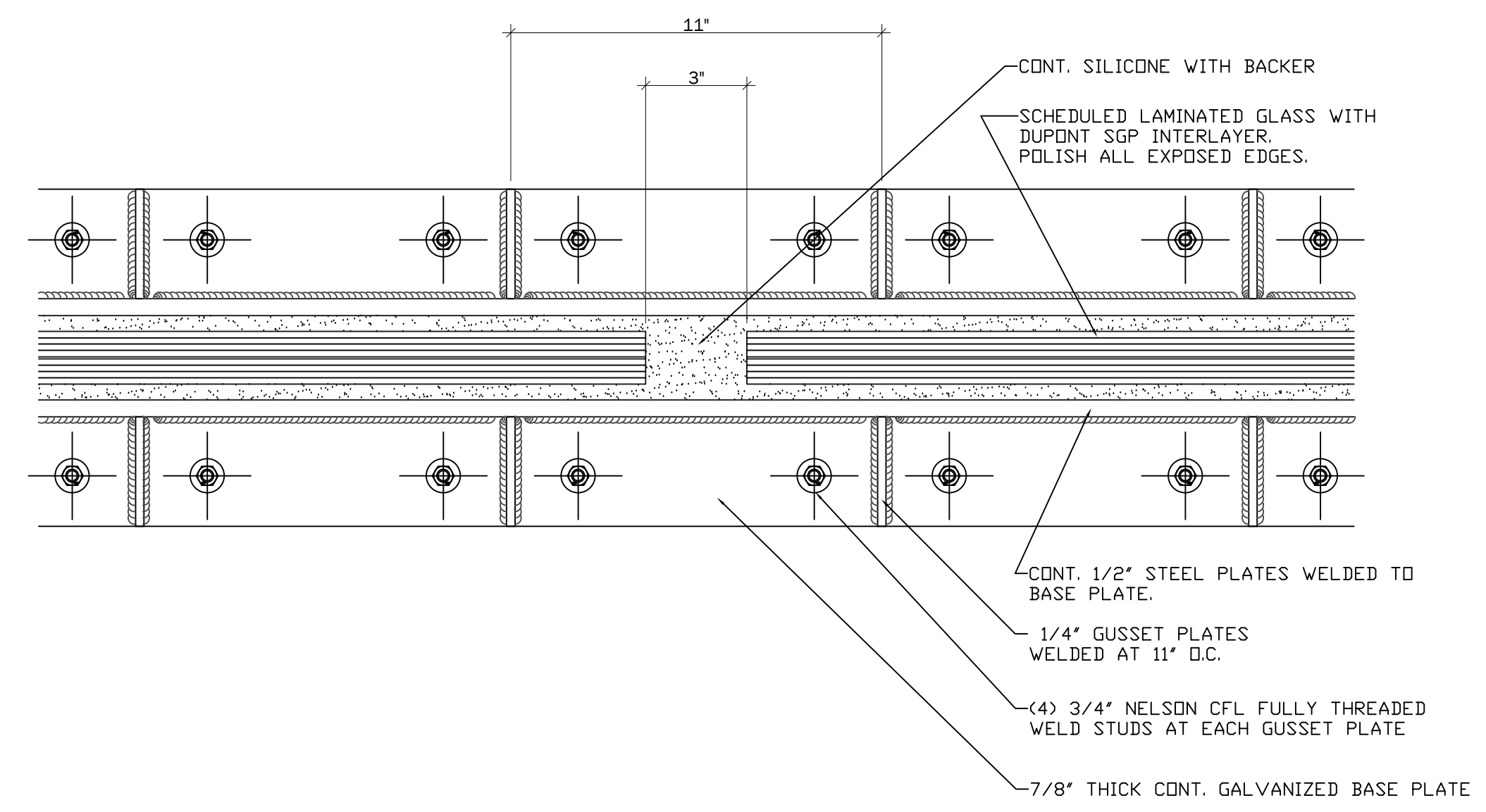
**1 WALL SECTION**  
1/4" = 1'-0"

NOTE: PAVERS FINISH SURFACE VARIES. REFERENCE ELEVATION OF "0" REFERS TO CIVIL SITE ELEVATION OF 113.75'. SEE GENERAL NOTES A0.20.





**1** WINDSCREEN SHOE BASE SECTION  
3"=1'-0"



**2** WINDSCREEN SHOE BASE PLAN VIEW  
3"=1'-0"

C:\Users\hardy\Documents\A\_TT FERRY SHELTER\_2015\Central\_JL@dwortheild.com.rvt

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEVL401	CHK:	
DRAWN BY:		DATE:	03/31/2016
		BY:	
		DATE:	

WALL DETAILS

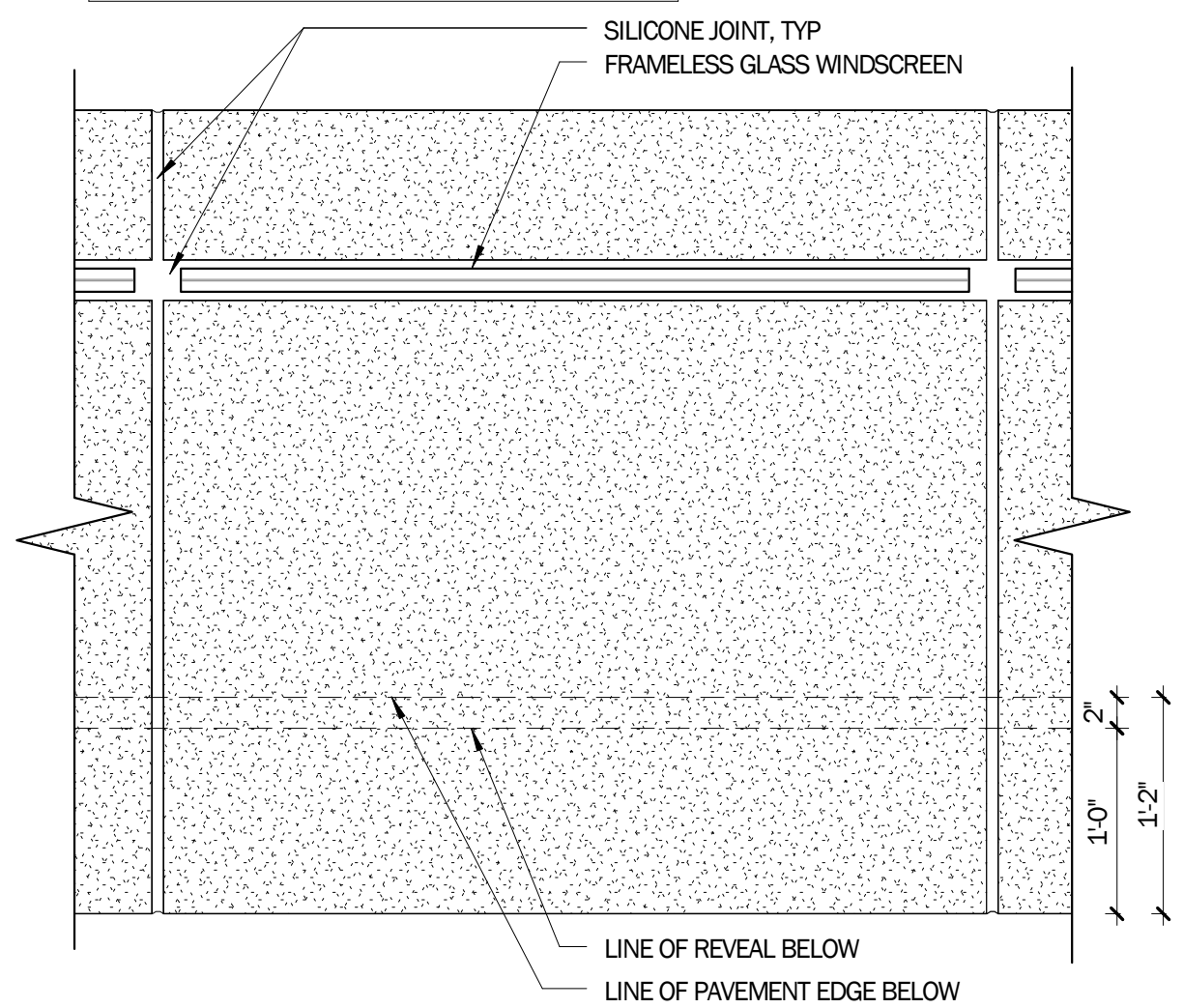
SHEET TITLE  
SCALE

**A9.12**

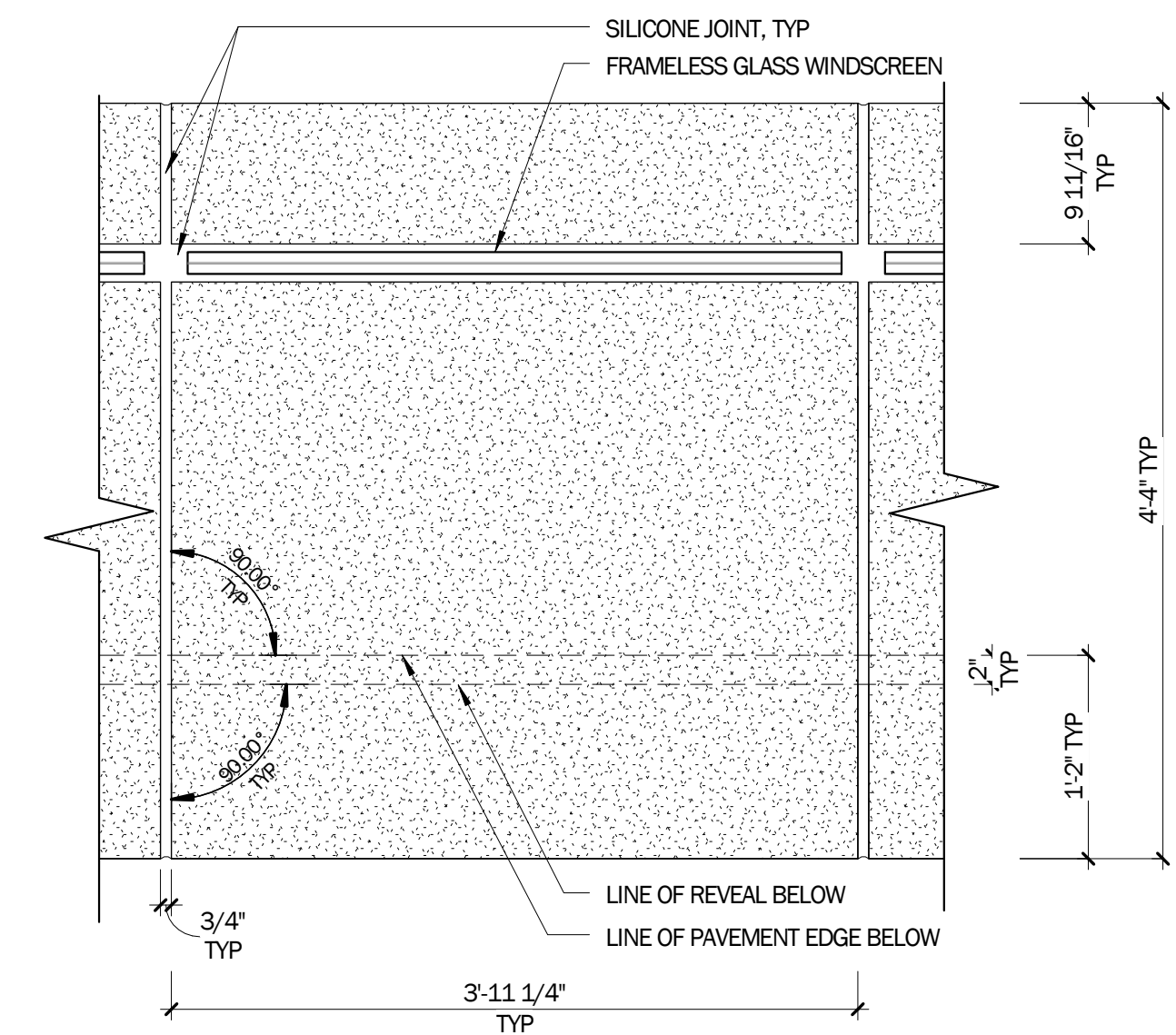
DRAWING NO.

NOT FOR CONSTRUCTION

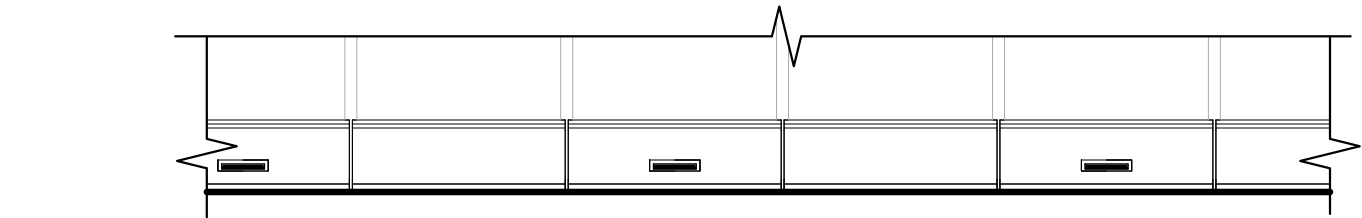
**NOTES**  
 1. SWPD FOR ALL GRADE CONDITIONS. ACTUAL PROFILE DIMENSIONS & ANGLES BASED ON GRADE.



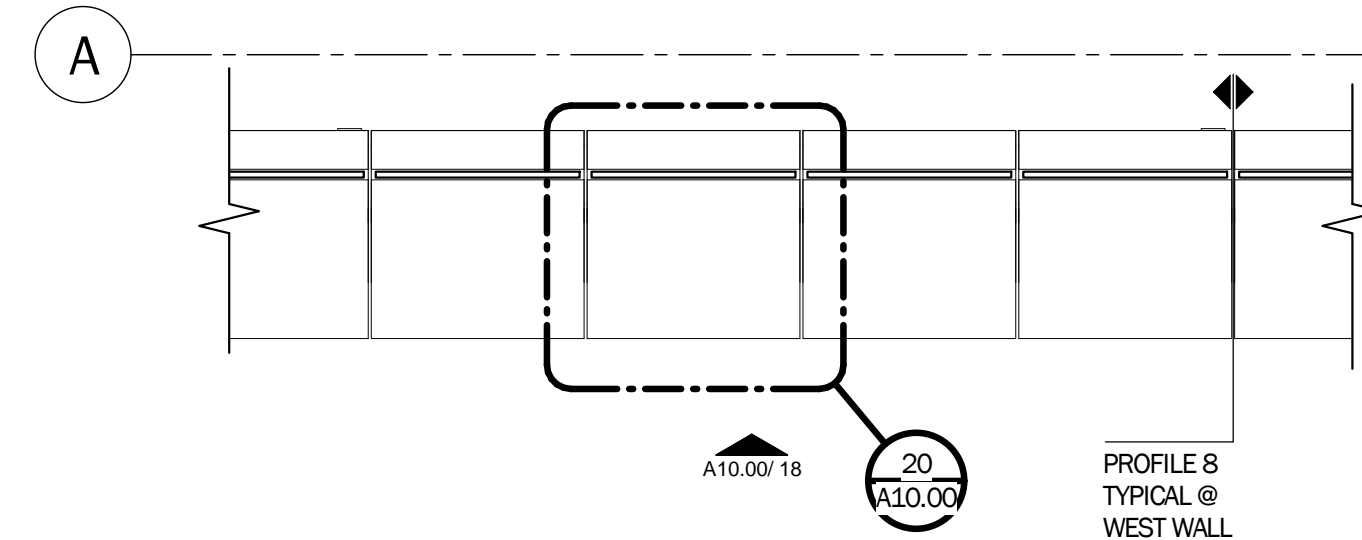
**20 LOW WALL UNIT @ WEST**  
 1" = 1'-0"



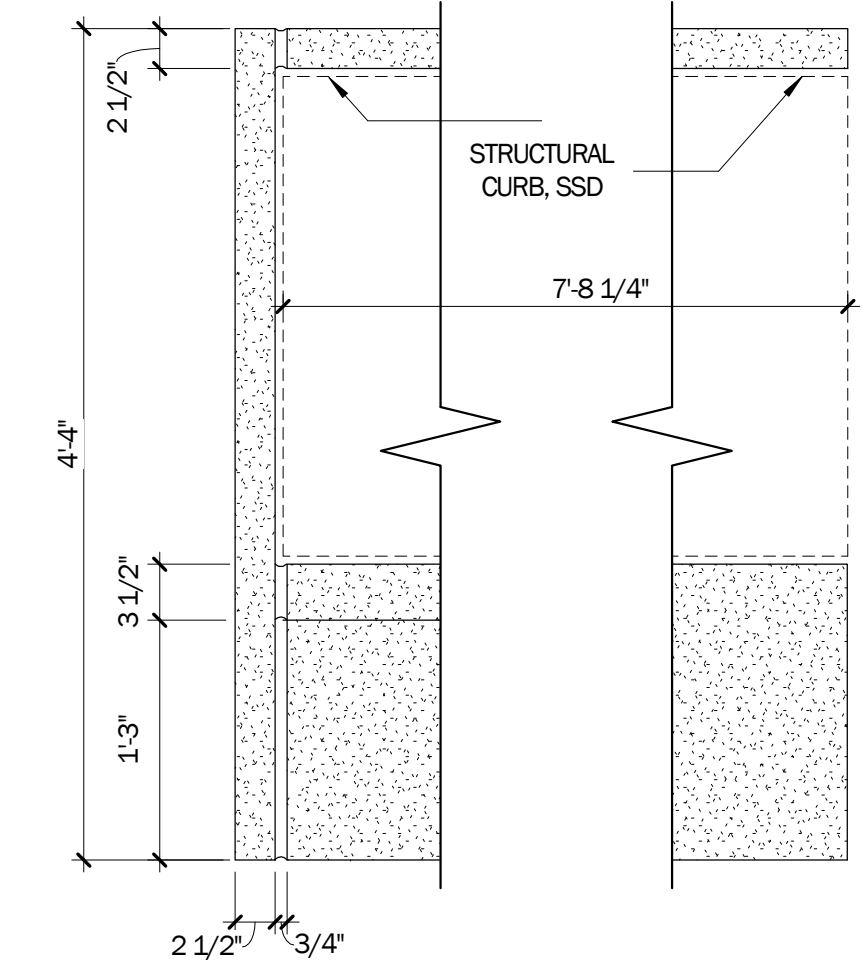
**19 LOW WALL UNIT @ NORTH & SOUTH**  
 1" = 1'-0"



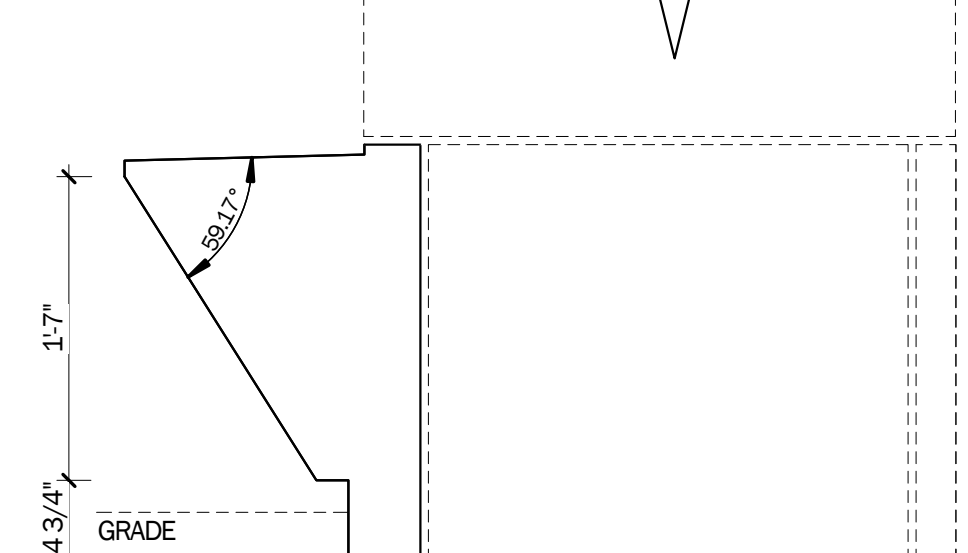
**18 ENLARGED ELEVATION - WEST**  
 1/4" = 1'-0"



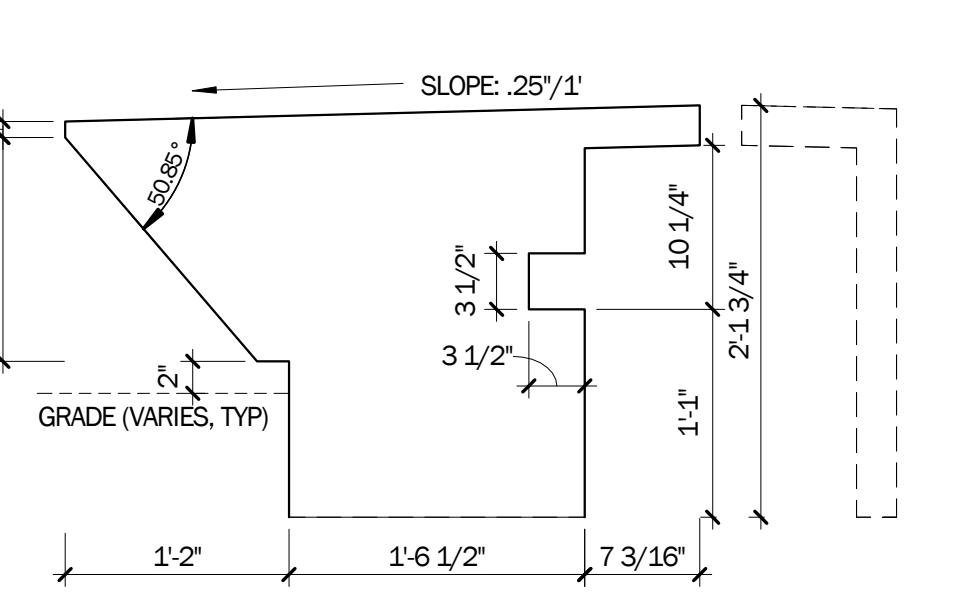
**17 ENLARGED PLAN - WEST**  
 1/4" = 1'-0"



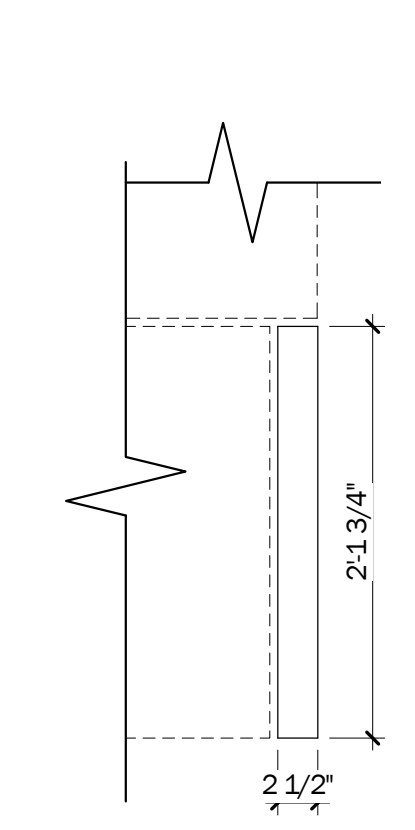
**16 LOW WALL @ MEDIA CENTER END**  
 1" = 1'-0"



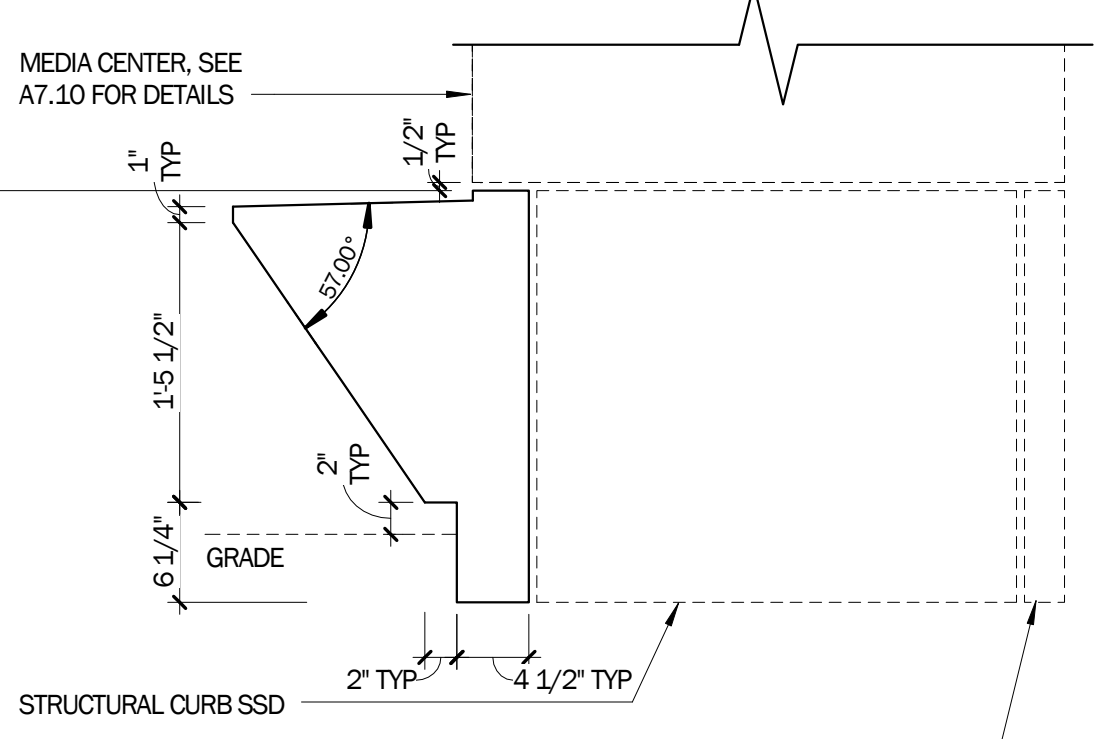
**14 PROFILE 10**  
 1" = 1'-0"



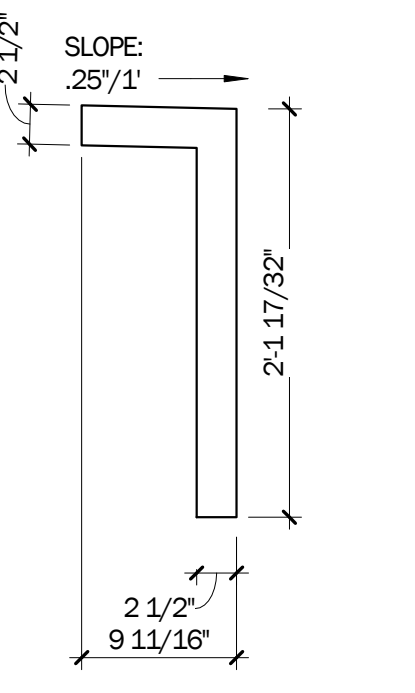
**12 PROFILE 8 - TYPICAL @ WEST LOW WALL**  
 1" = 1'-0"



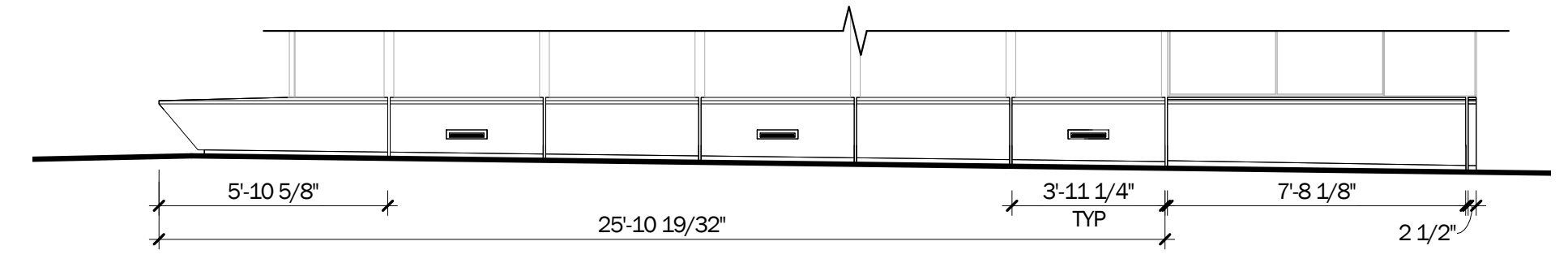
**15 PROFILE 11**  
 1" = 1'-0"



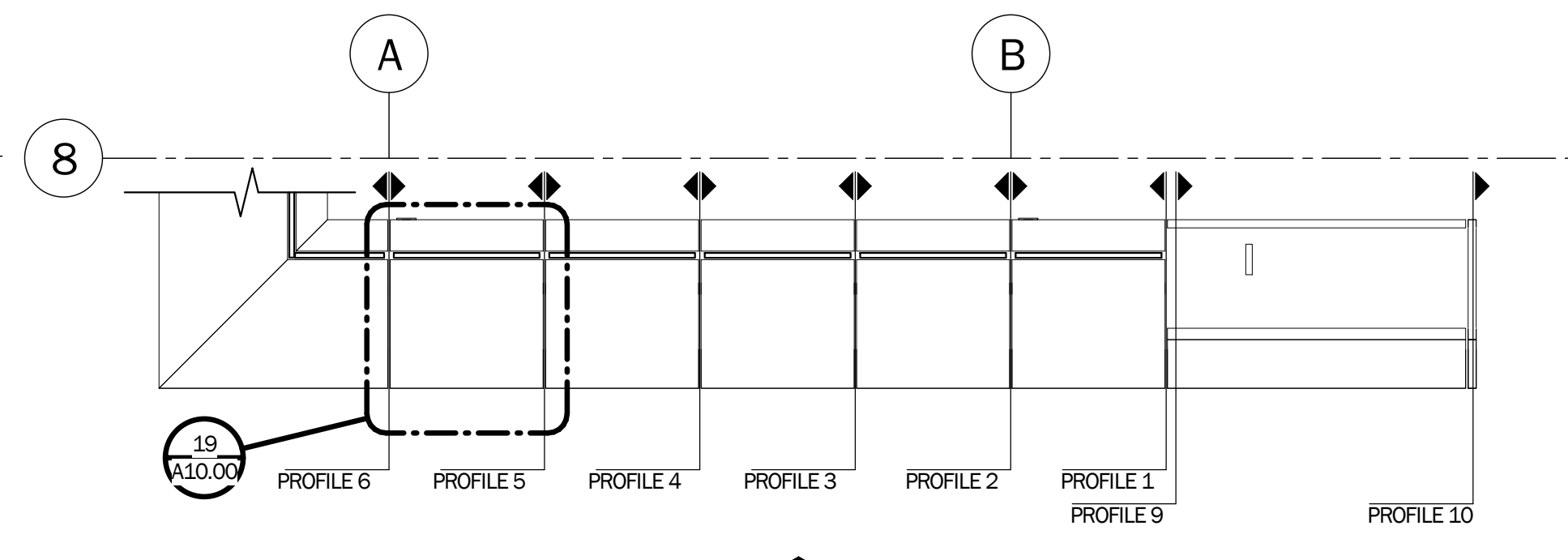
**13 PROFILE 9**  
 1" = 1'-0"



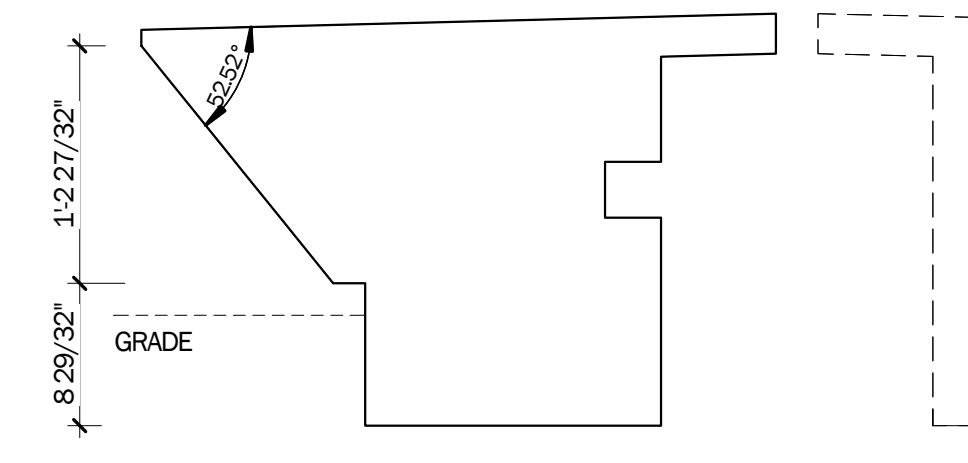
**11 PROFILE 7**  
 1" = 1'-0"



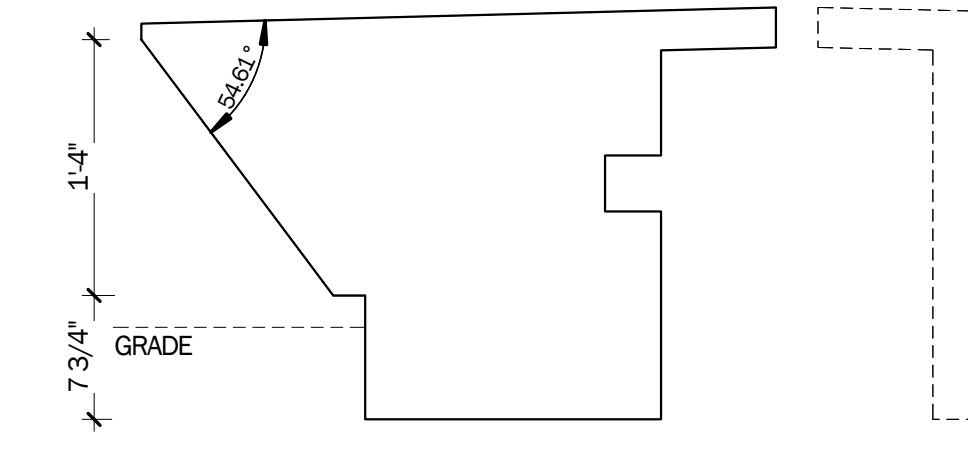
**10 ENLARGED ELEVATION - SOUTH**  
 1/4" = 1'-0"



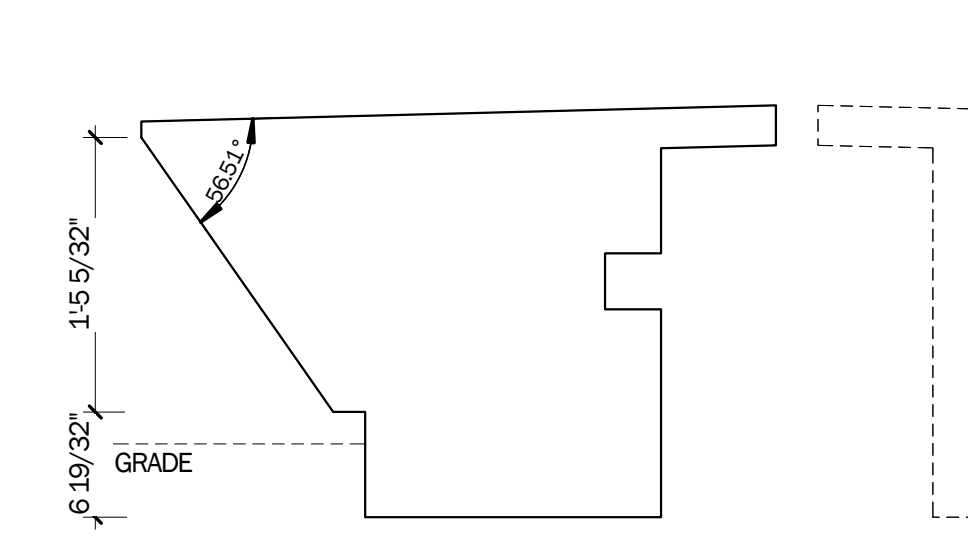
**9 ENLARGED PLAN - SOUTH**  
 1/4" = 1'-0"



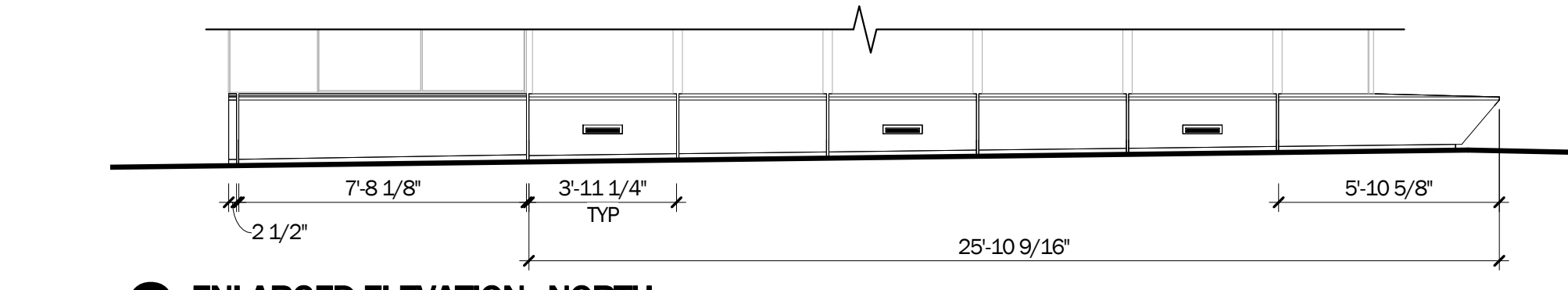
**8 PROFILE 6**  
 1" = 1'-0"



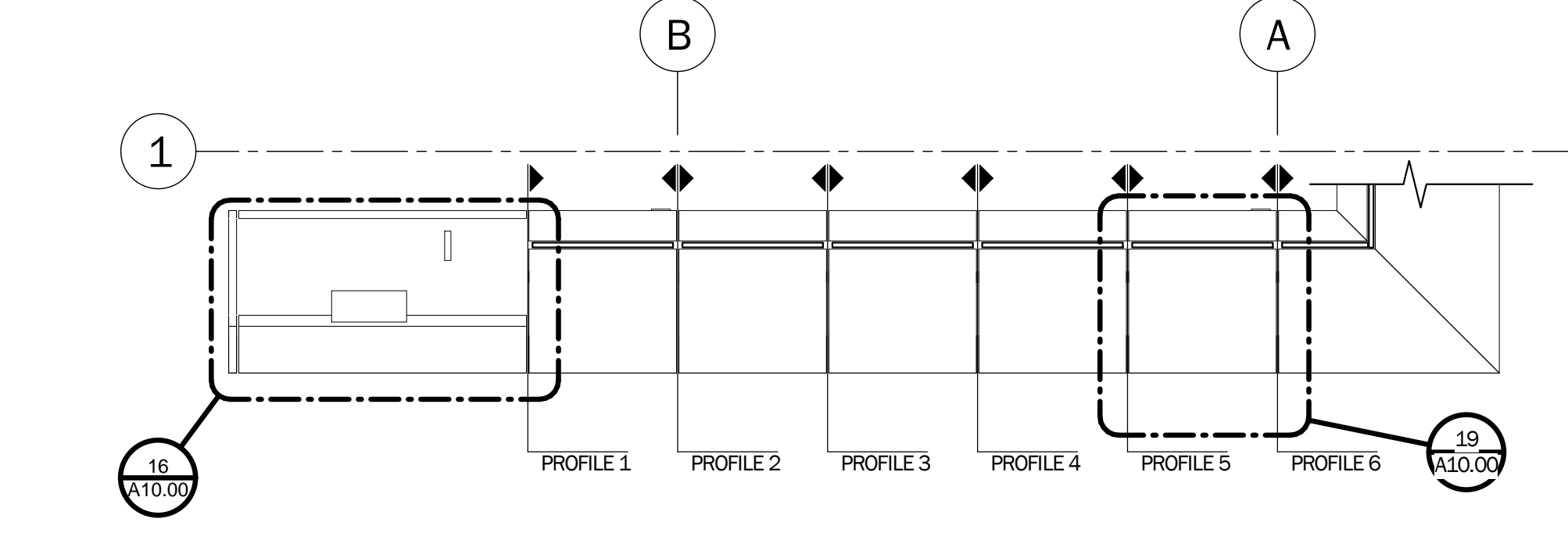
**6 PROFILE 4**  
 1" = 1'-0"



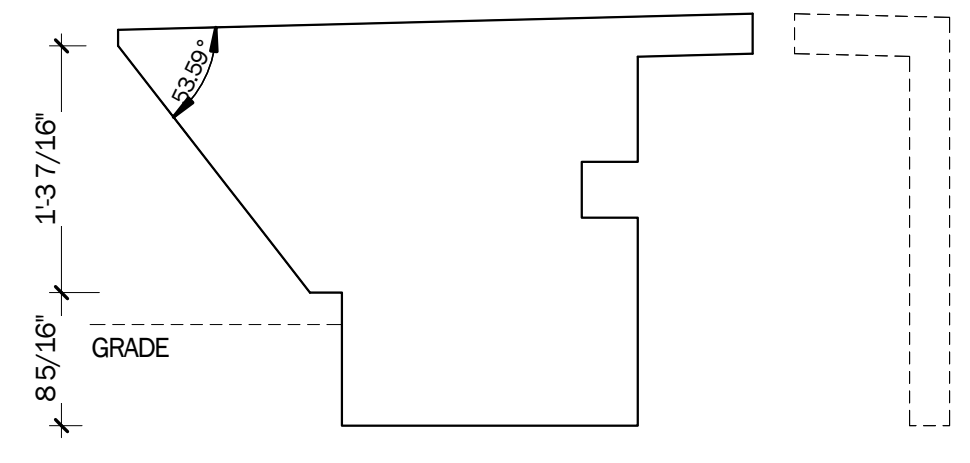
**4 PROFILE 2**  
 1" = 1'-0"



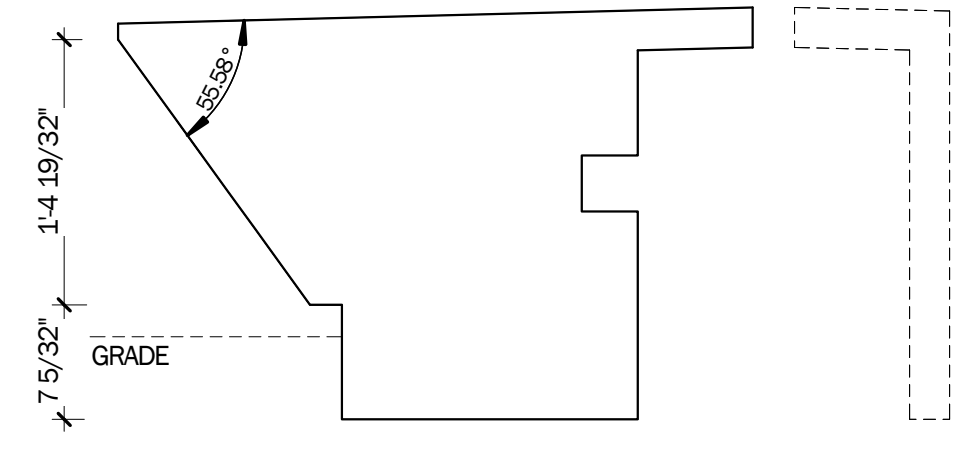
**2 ENLARGED ELEVATION - NORTH**  
 1/4" = 1'-0"



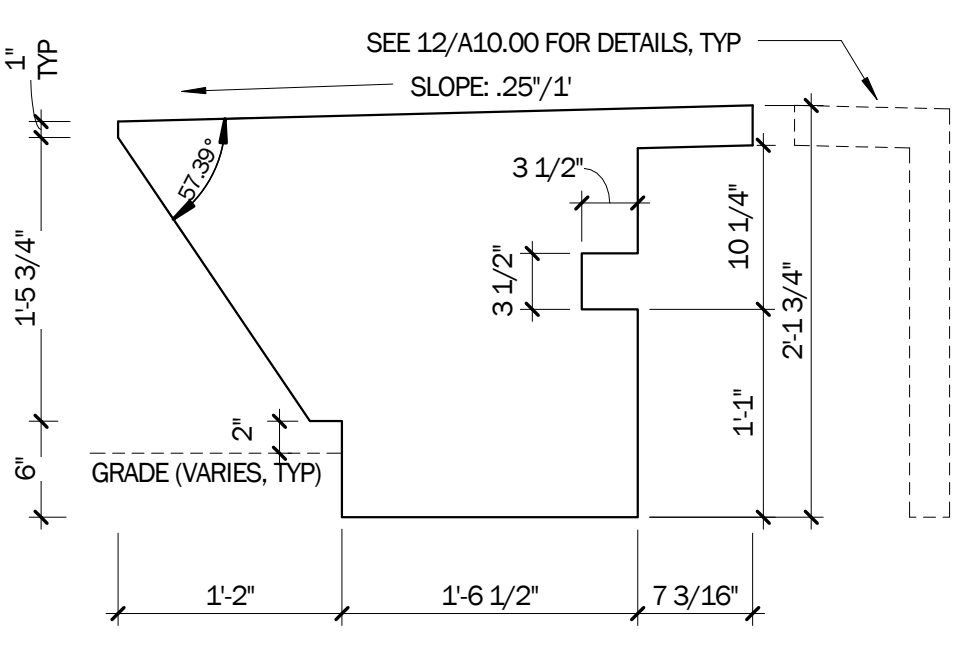
**1 ENLARGED PLAN - NORTH**  
 1/4" = 1'-0"



**7 PROFILE 5**  
 1" = 1'-0"



**5 PROFILE 3**  
 1" = 1'-0"



**3 PROFILE 1**  
 1" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
 CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
 Ferry Shelter &  
 Support Structures:  
 Ferry &  
 Bus Shelters  
 PERMIT ISSUE

PROJECT NO:	LEN401	Author	REVISIONS
DRAWN BY:		DATE	DESCRIPTION
NO.		BY	DATE

LOW WALL DETAILS

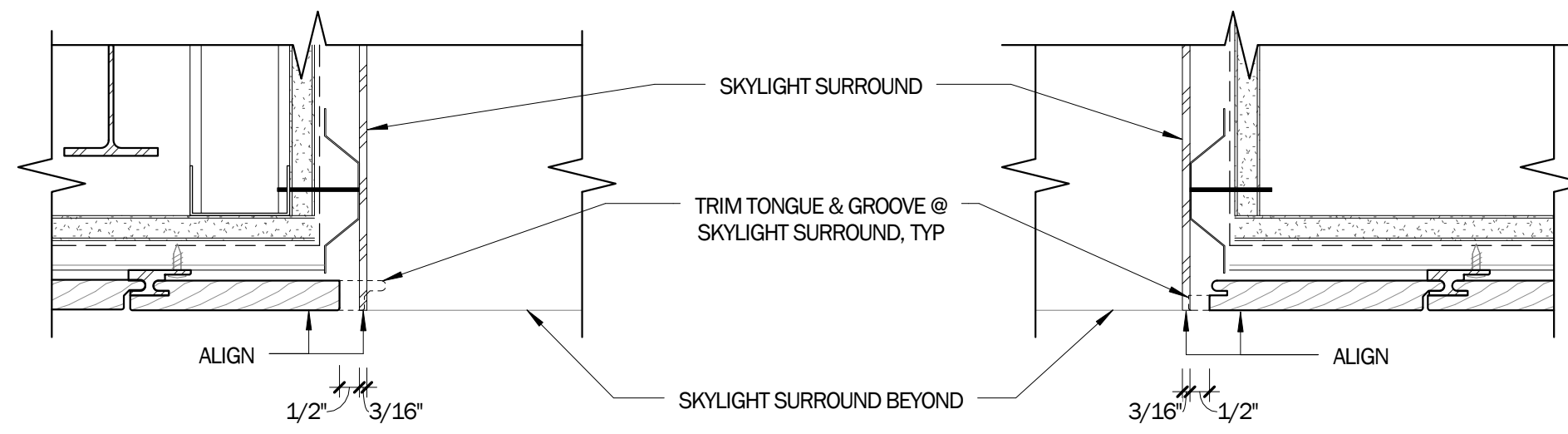
SHEET TITLE  
 SCALE

**A10.00**

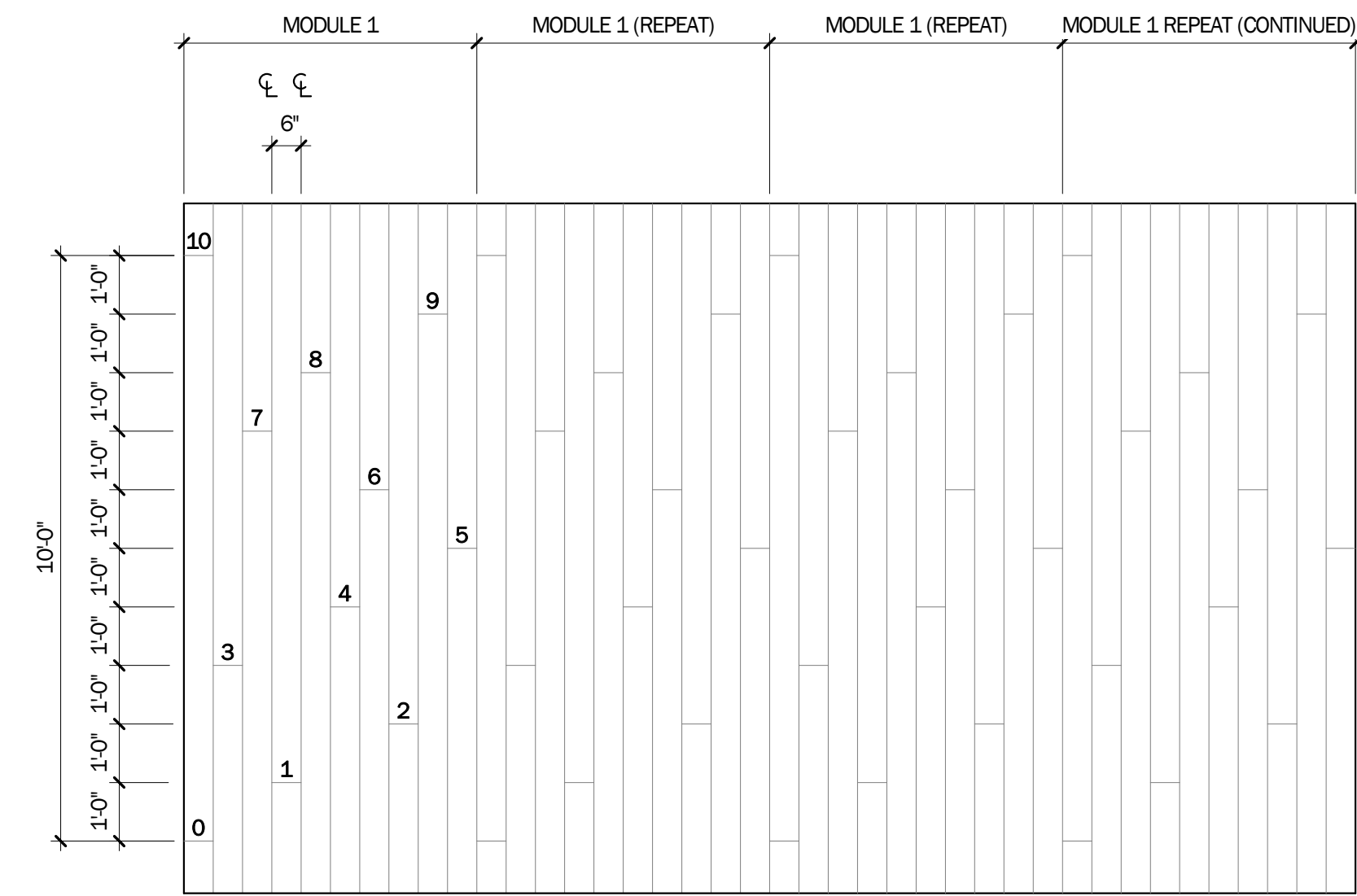
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NOT FOR CONSTRUCTION

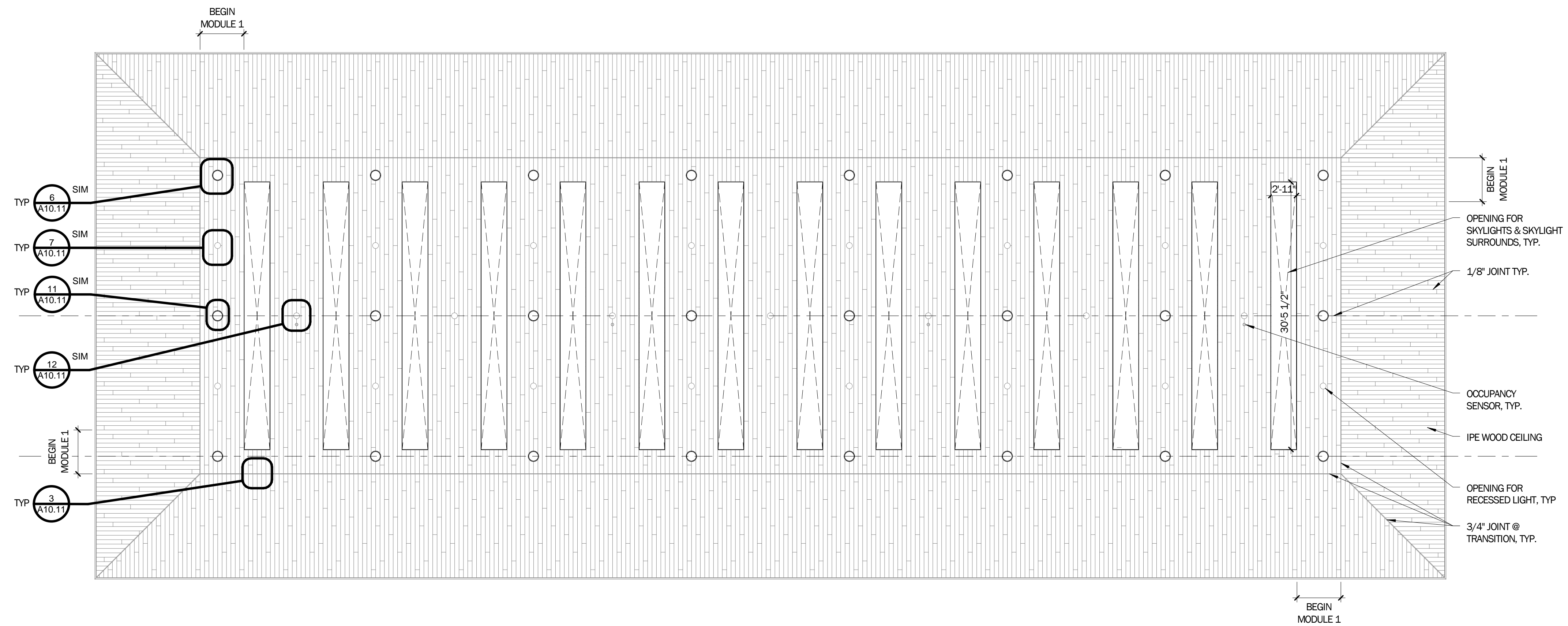
C:\Users\hardy\Documents\A10 FERRY SHELTER\_2015\Cenral\_a10\dwg\A10.00.dwg



**3 CEILING DETAIL @ SKYLIGHT SURROUND**  
3\"/>



**2 CEILING PATTERN LEGEND**  
3\"/>



**1 CEILING IPE LAYOUT**  
1\"/>

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
**SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO: LEN1401	CHK: DATE: 03/01/2016	BY: DATE:
DRAWN BY: REVISIONS	NO. DESCRIPTION	

CEILING DETAILS

SHEET TITLE  
SCALE

**A10.10**

DRAWING NO.

NOT FOR CONSTRUCTION

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE**

PROJECT NO.	DATE	BY	DATE
LEN401	03/31/2016		
REVISIONS	DESCRIPTION	NO.	DATE

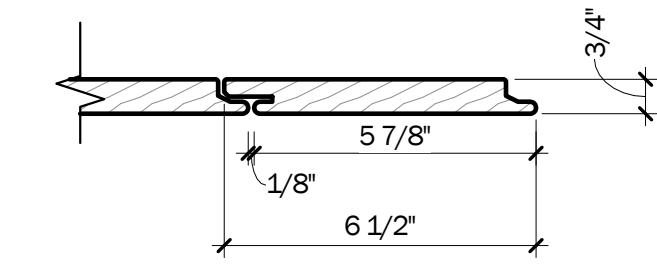
CEILING DETAILS

SHEET TITLE  
SCALE

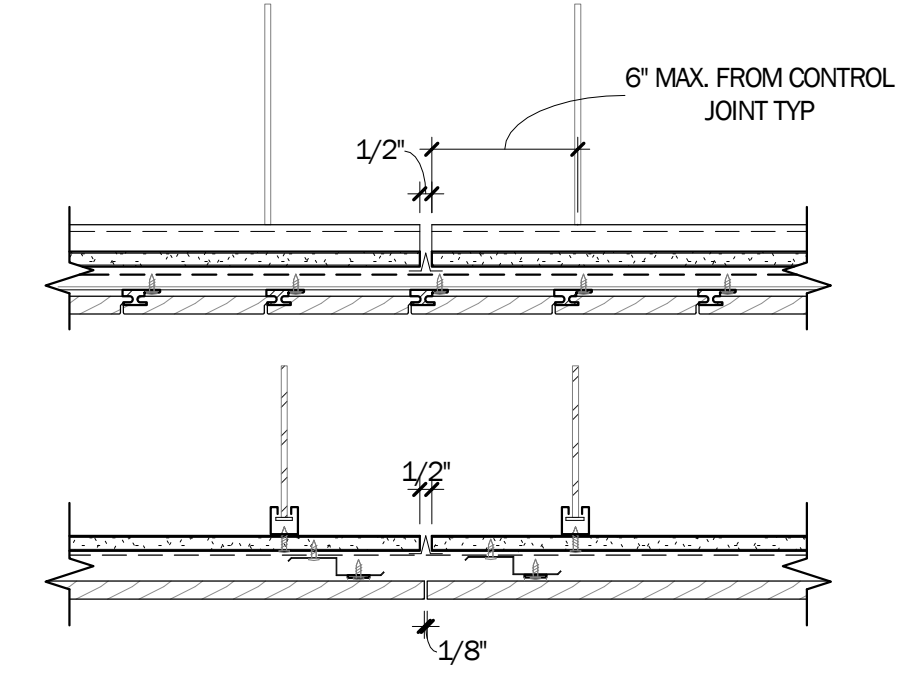
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DRAWING NO.

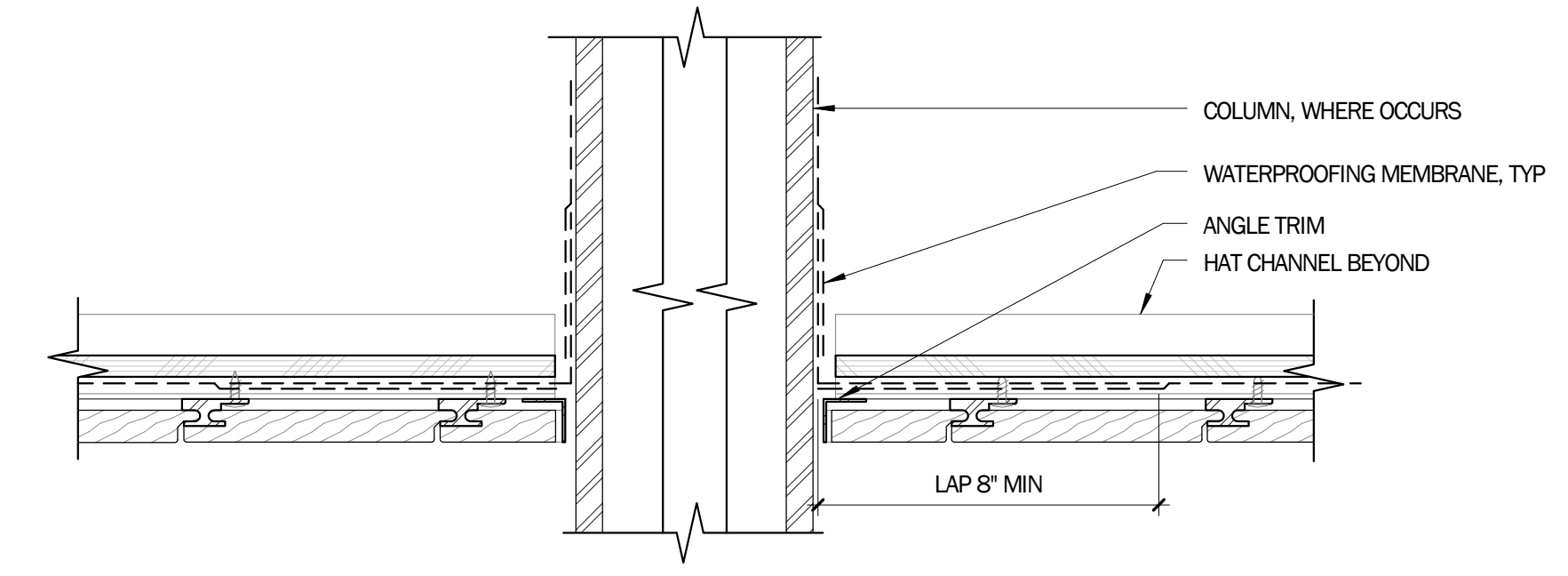
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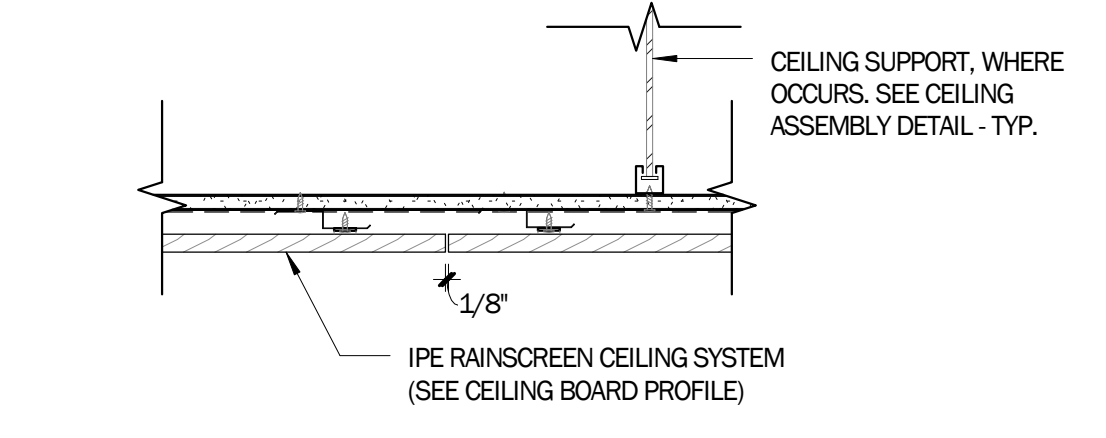
**5 CEILING BOARD PROFILE**  
3" = 1'-0"



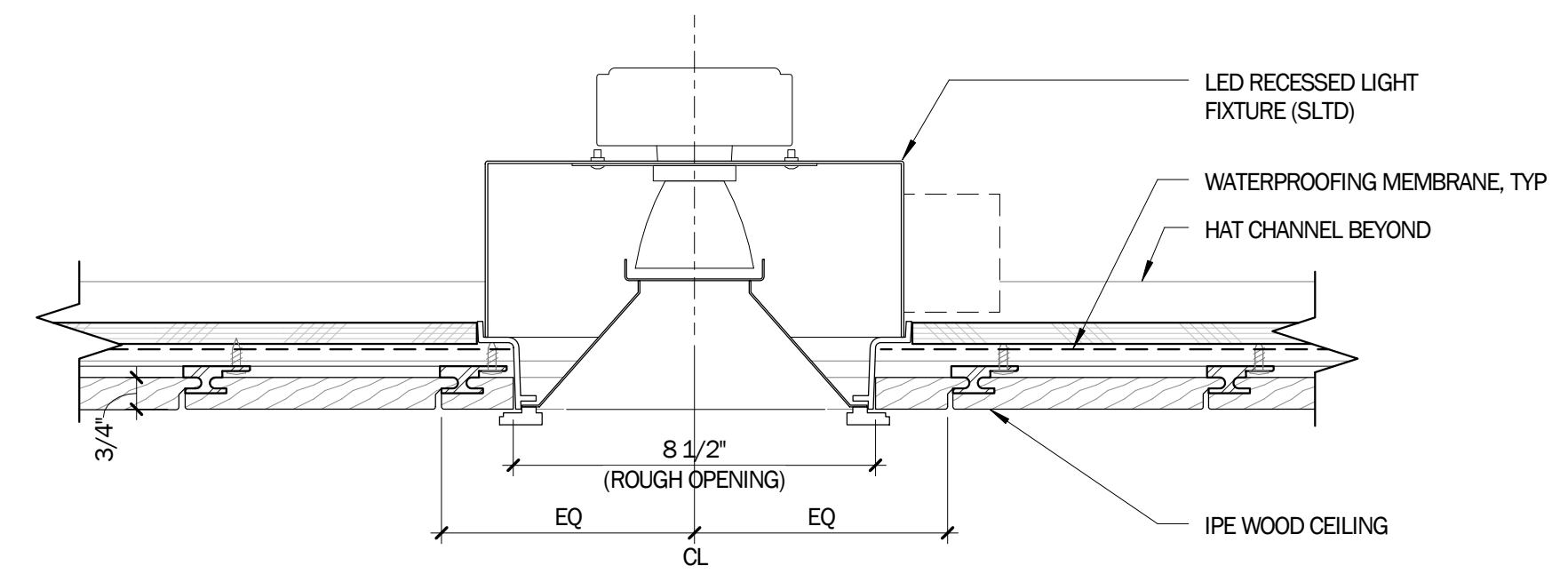
**4 CEILING DETAIL @ CONTROL JOINT**  
1 1/2" = 1'-0"



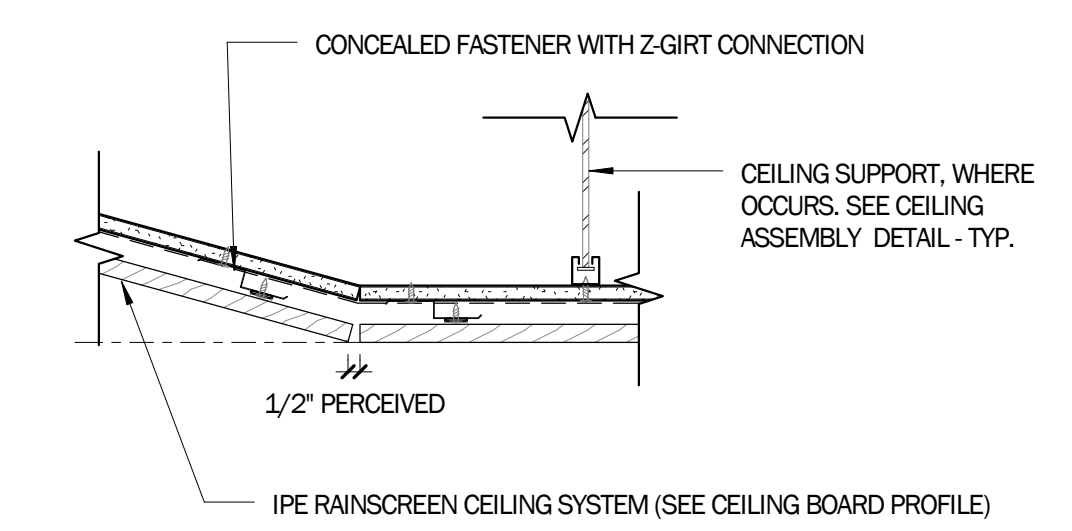
**14 CEILING SECTION @ COLUMN**  
3" = 1'-0"



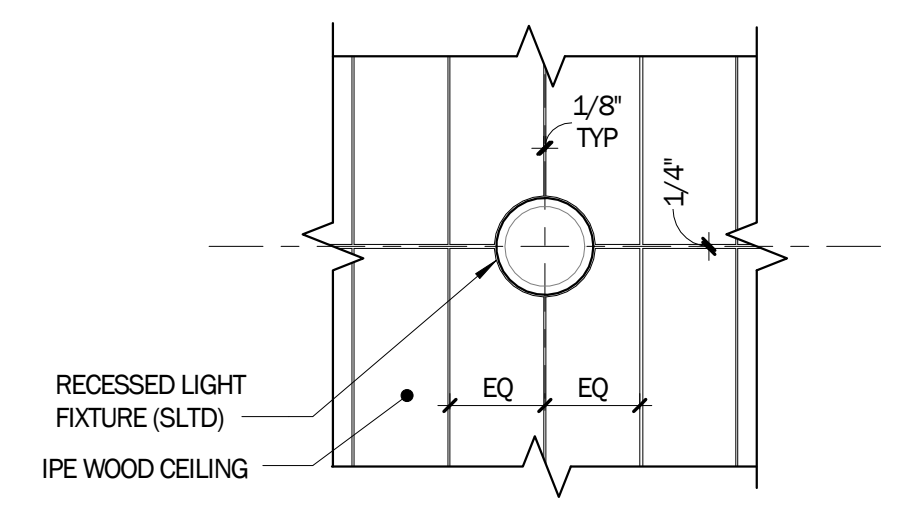
**3 CEILING - TRANSITON AT WOOD TO WOOD**  
1 1/2" = 1'-0"



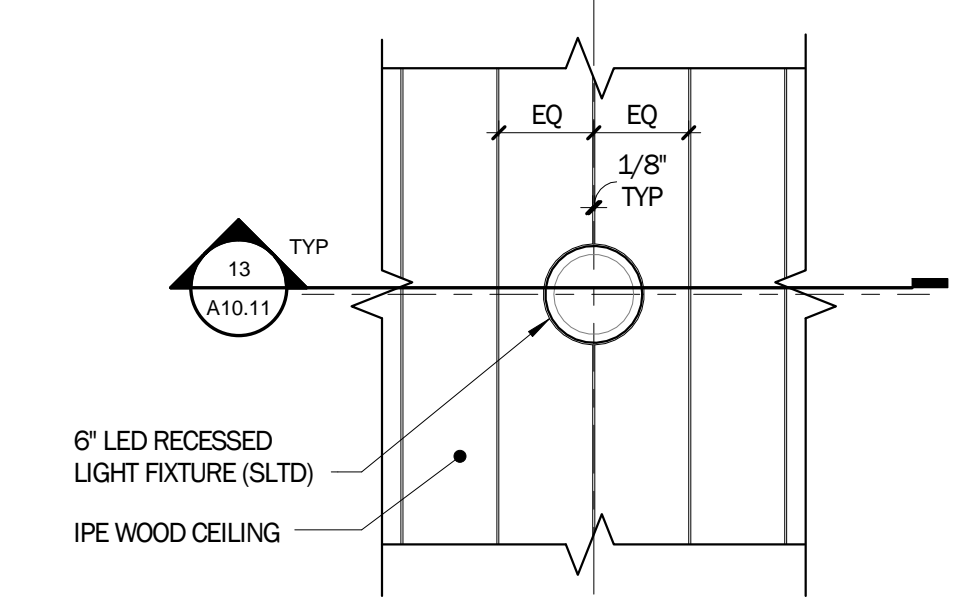
**13 CEILING SECTION @ LIGHT FIXTURE**  
3" = 1'-0"



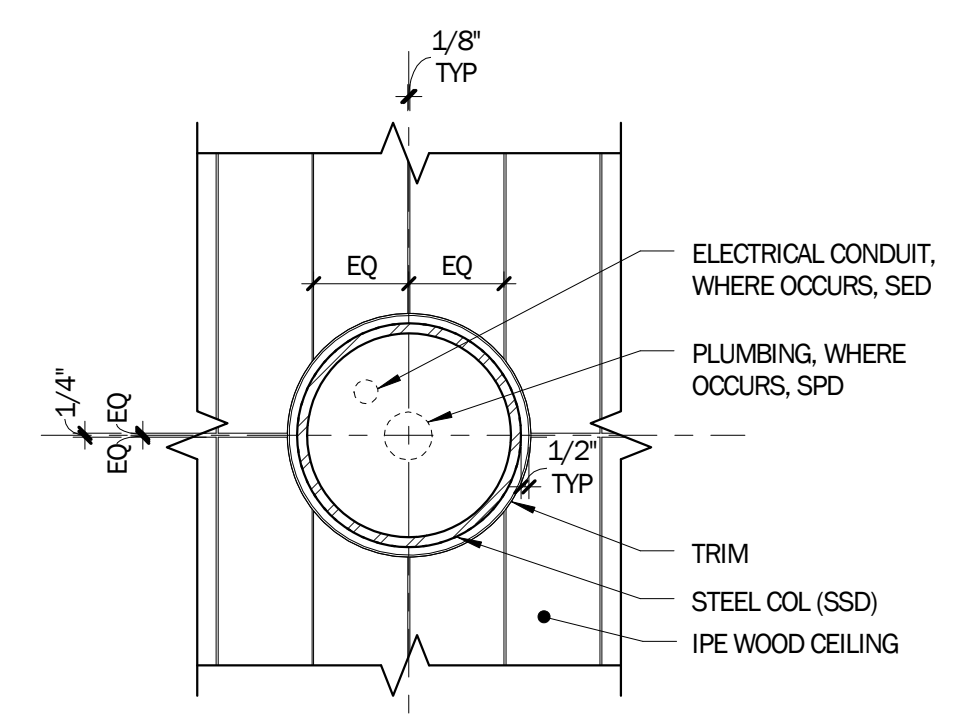
**2 CEILING - TRANSITON AT ANGLE**  
1 1/2" = 1'-0"



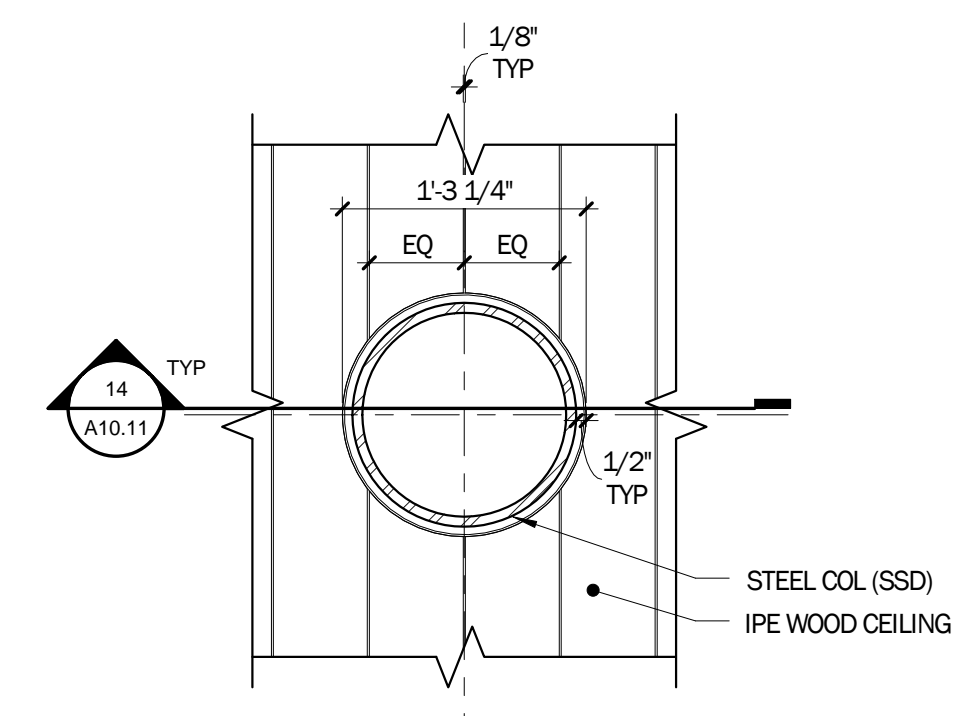
**12 CEILING DETAIL @ LIGHT FIXTURE @ GRID LINE B**  
1" = 1'-0"



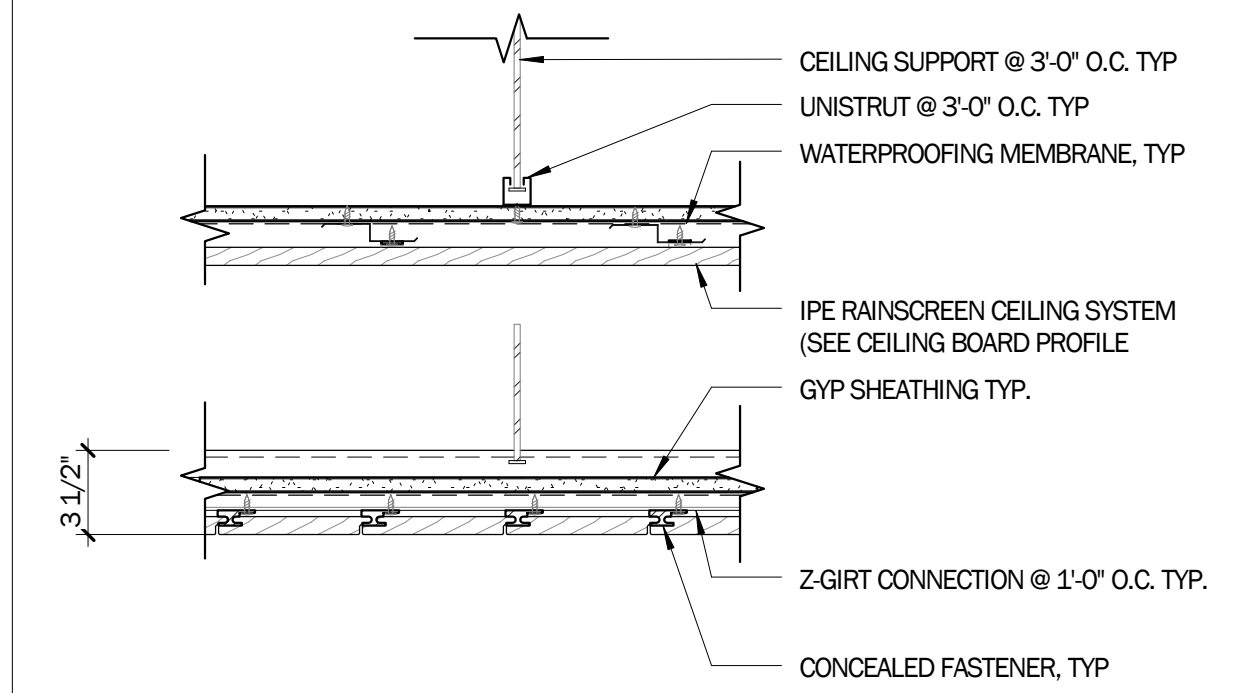
**7 CEILING DETAIL @ LIGHT FIXTURE**  
1" = 1'-0"



**11 CEILING DETAIL @ NON-STRUCTURAL COLUMN**  
1" = 1'-0"



**6 CEILING DETAIL @ COLUMN**  
1" = 1'-0"



**1 CEILING ASSEMBLY DETAIL - TYP**  
1 1/2" = 1'-0"

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
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**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO.	CHK/	DATE	REVISIONS	NO.	DESCRIPTION	BY	DATE
LEN1401		03/31/2016					

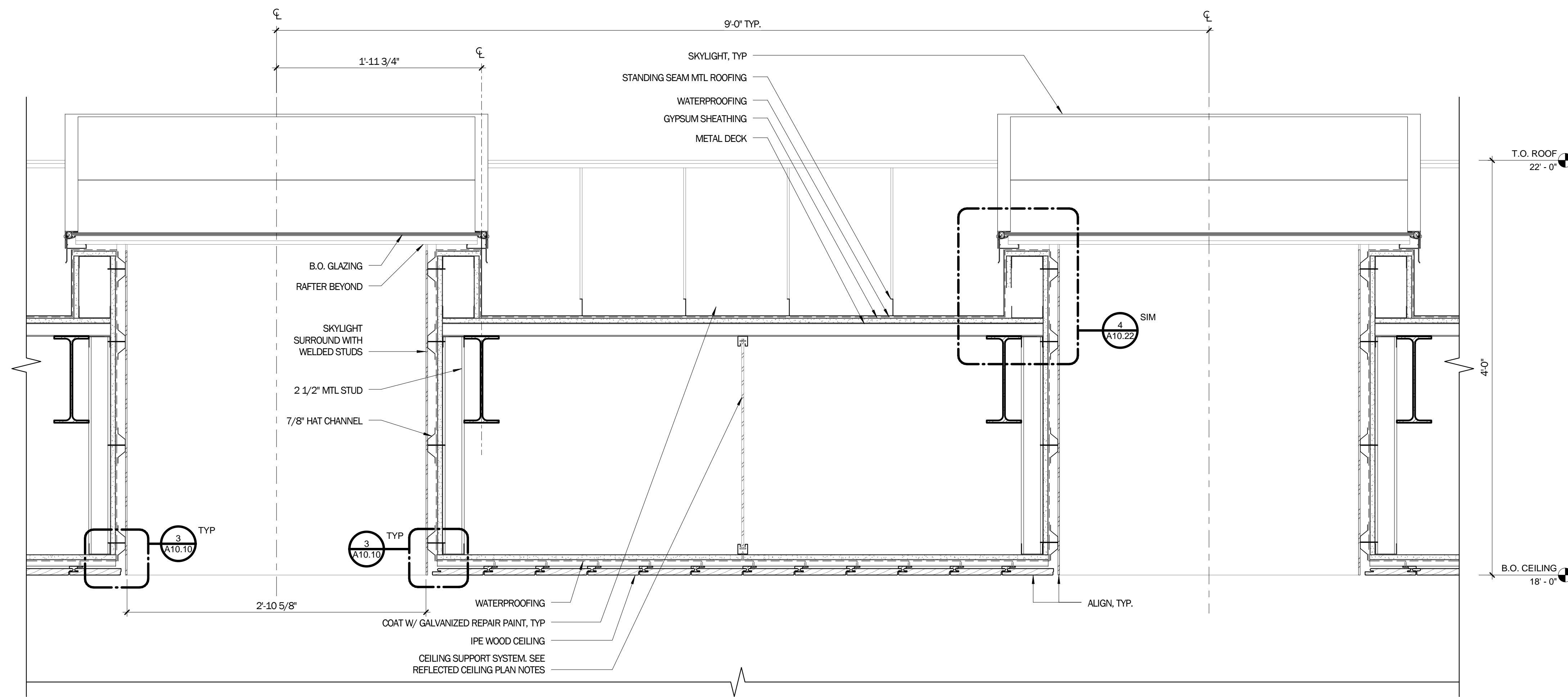
ROOF DETAILS -  
ENLARGED  
SECTIONS

SHEET TITLE  
SCALE

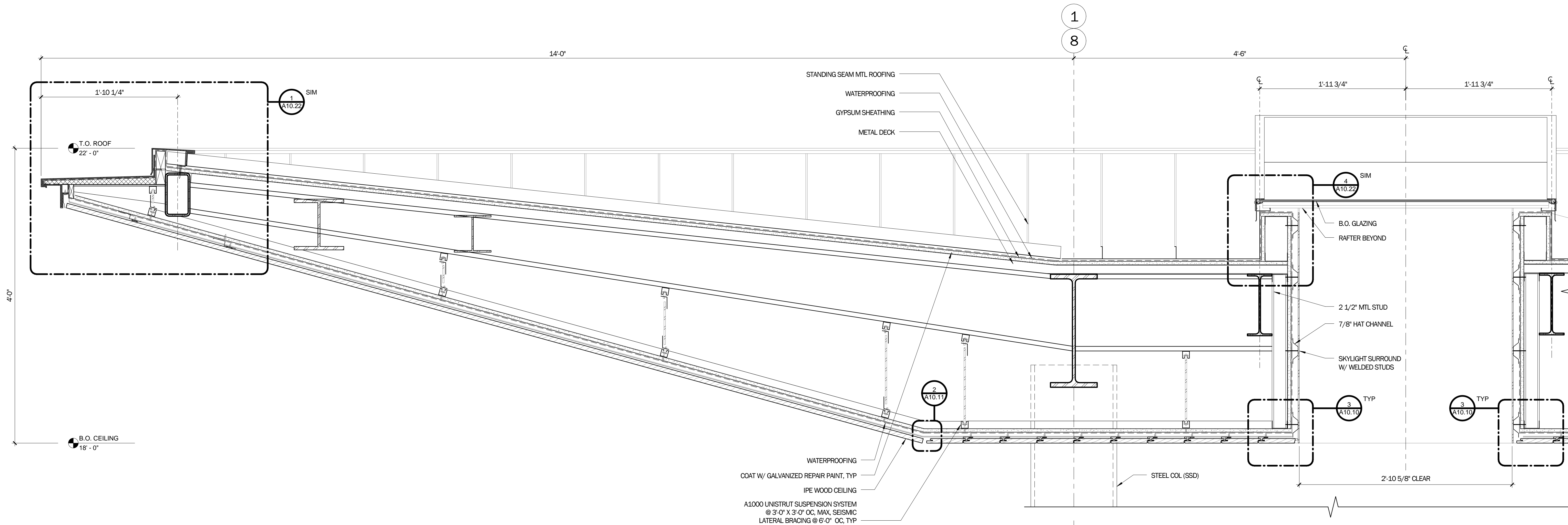
**A10.20**

DRAWING NO.

NOT FOR CONSTRUCTION



**2 ROOF DETAIL @ SKYLIGHTS**  
1 1/2" = 1'-0"



**1 ROOF DETAIL @ EAVE AND SKYLIGHT**  
1 1/2" = 1'-0"

C:\Users\handy\Documents\A10 FERRY SHELTER\_2015\Ceiling\_1.dwg



LICENSE STAMP

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**TREASURE ISLAND**  
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Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEN1401	REVISIONS	NO.	DATE
DRAWN BY:		DESCRIPTION		
CHK:				
DATE:	03/31/2016			
BY:				

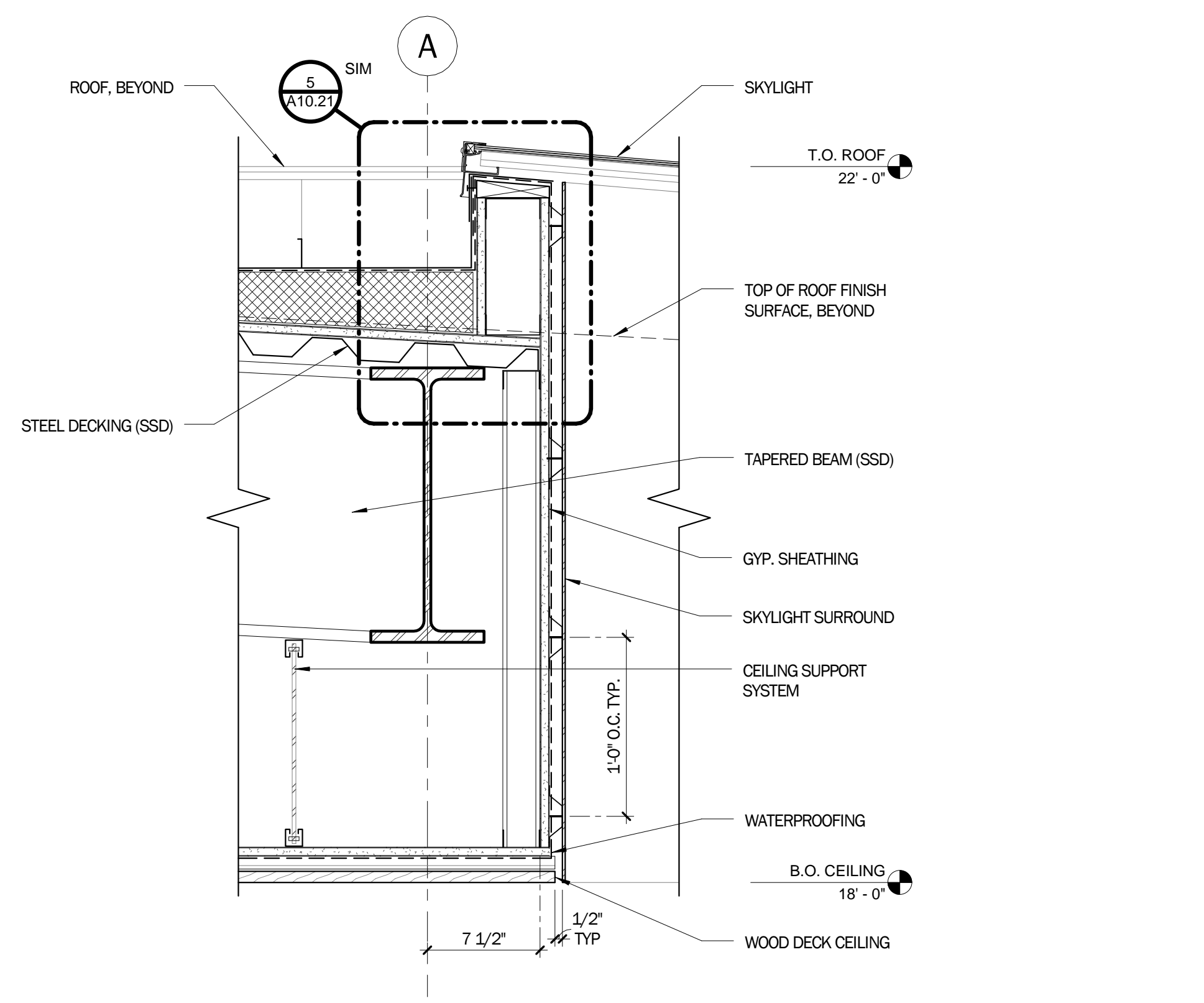
ROOF DETAILS

SHEET TITLE  
SCALE

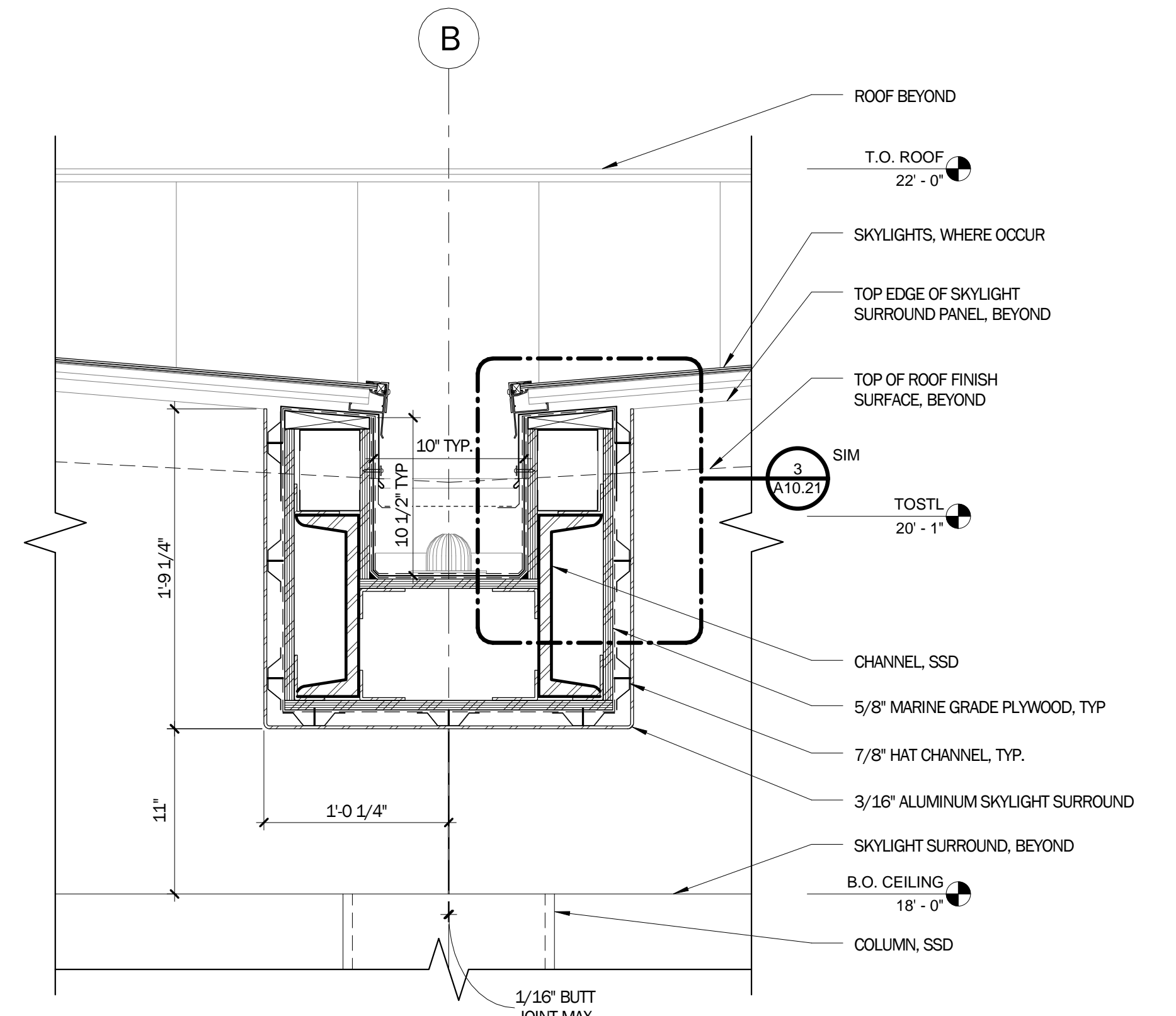
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DRAWING NO.

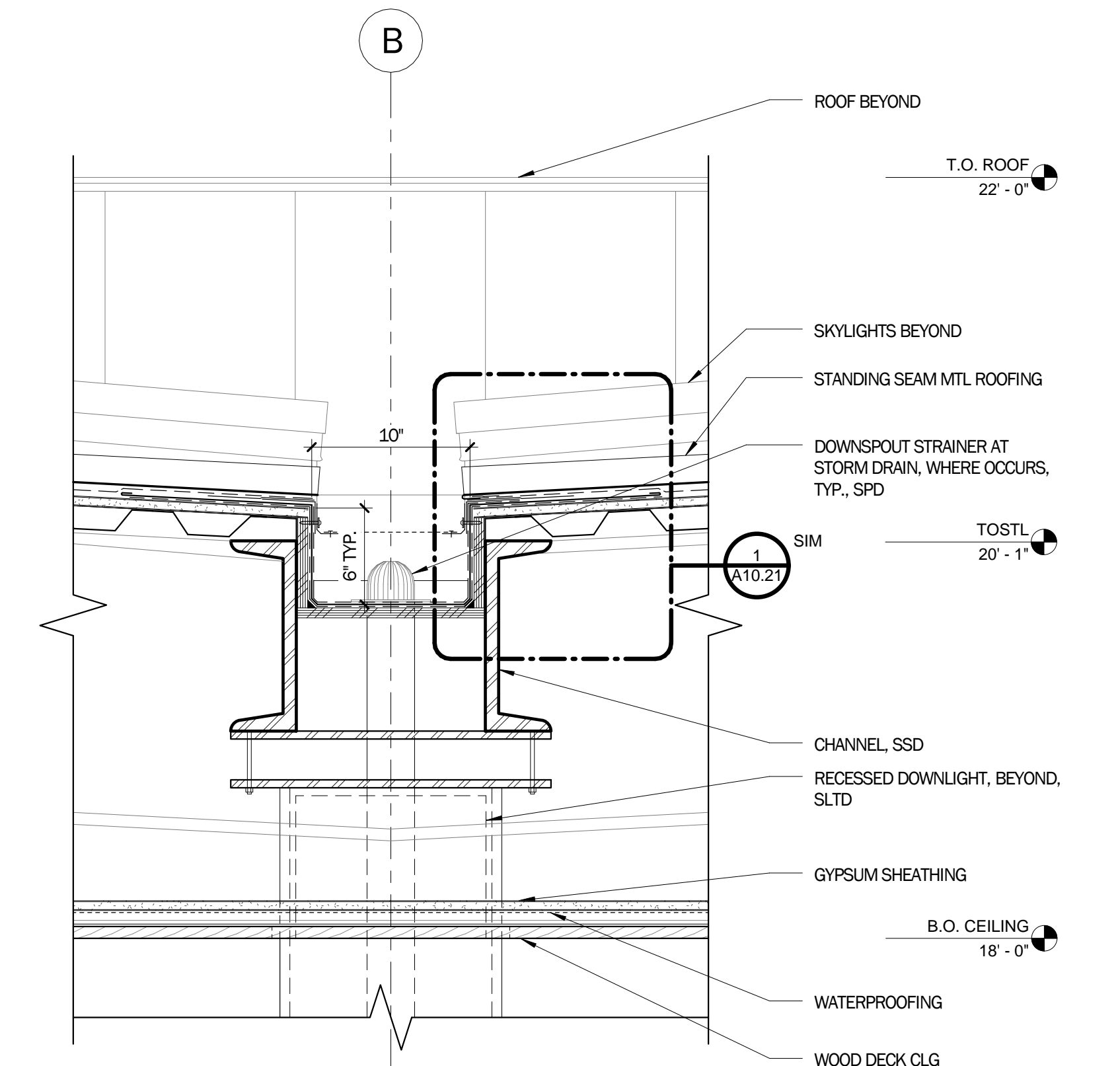
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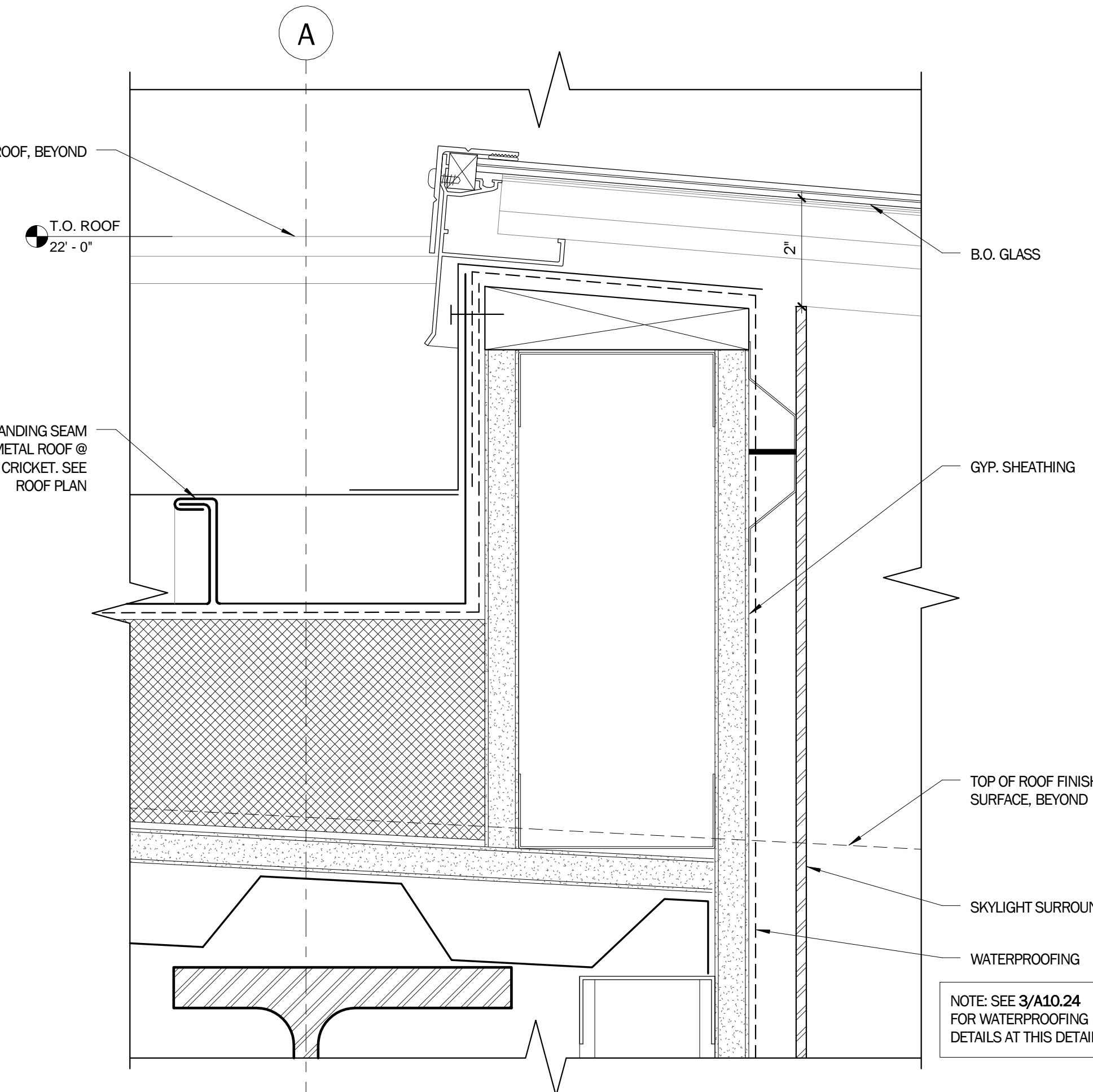
**6 SKYLIGHT CURB**  
1 1/2" = 1'-0"



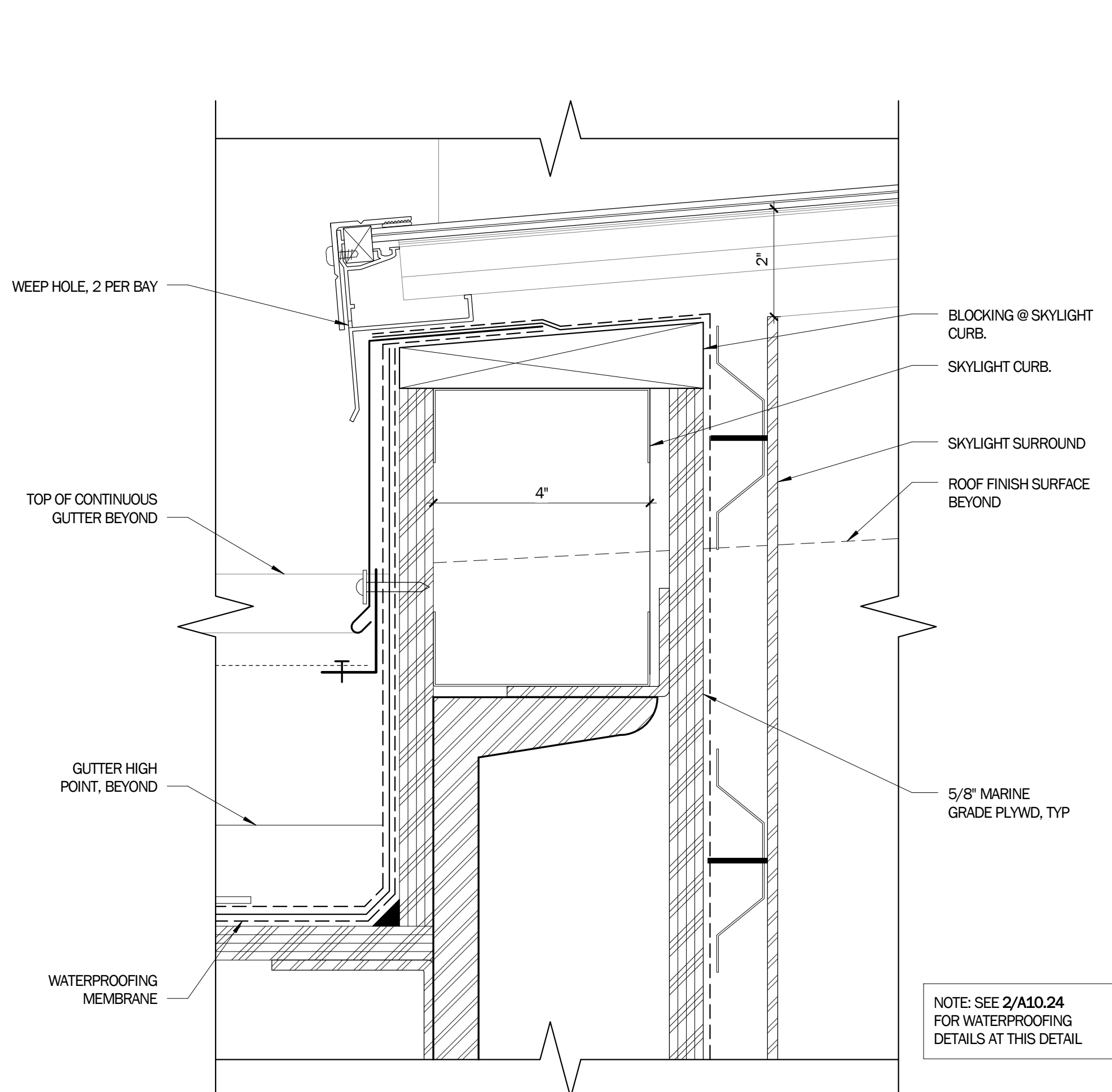
**4 GUTTER @ SKYLIGHTS**  
1 1/2" = 1'-0"



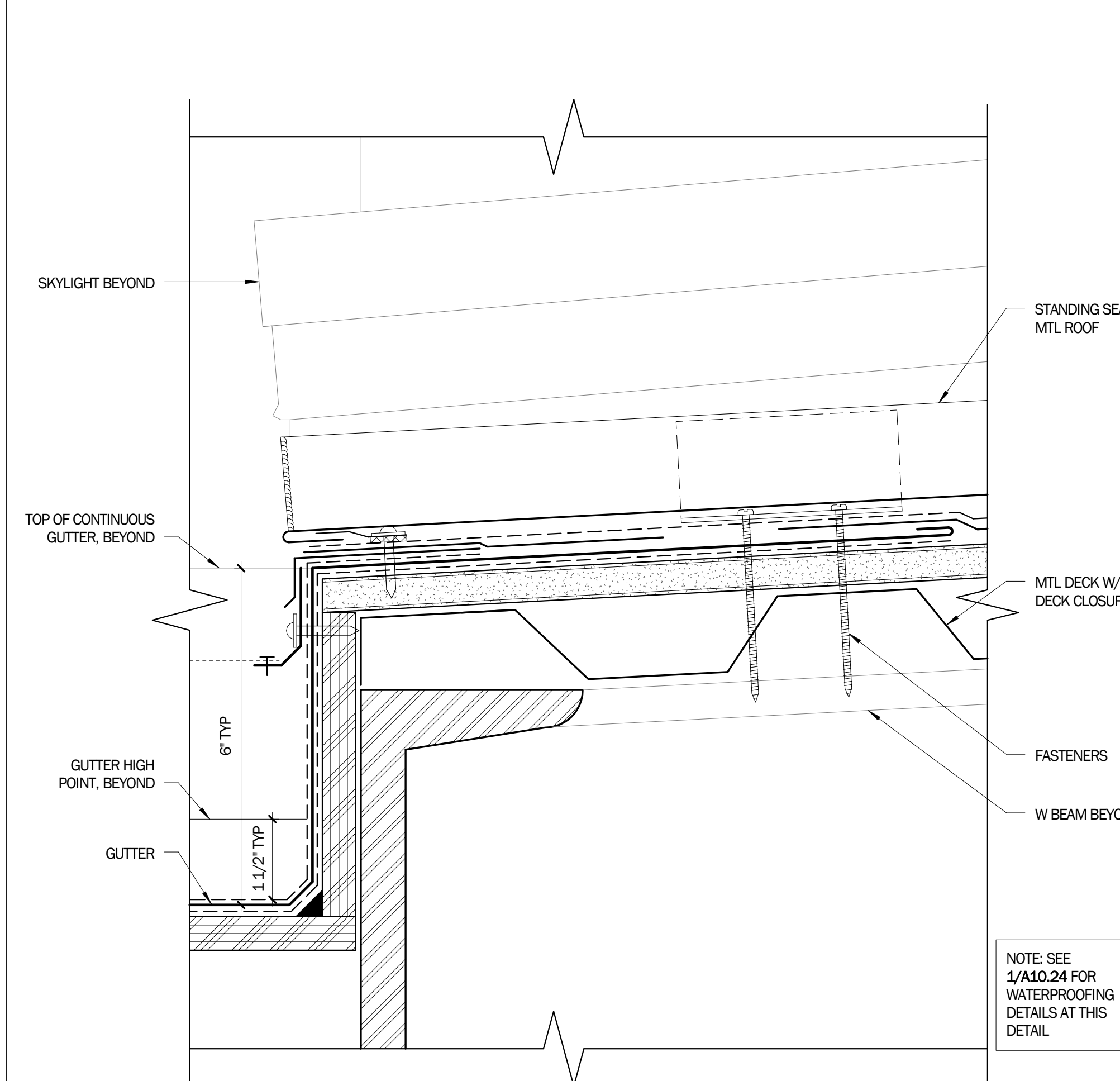
**2 GUTTER @ VALLEY BETWEEN SKYLIGHTS**  
1 1/2" = 1'-0"



**5 SKYLIGHT CURB @ CRICKET**  
6" = 1'-0"



**3 GUTTER @ SKYLIGHTS**  
6" = 1'-0"



**1 GUTTER @ VALLEY BETWEEN SKYLIGHTS**  
6" = 1'-0"

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LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS  
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Ferry &  
Bus Shelters  
PERMIT ISSUE**

PROJECT NO:	LEN1401
DATE:	03/31/2016
BY:	
DATE:	
NO.	
DESCRIPTION	

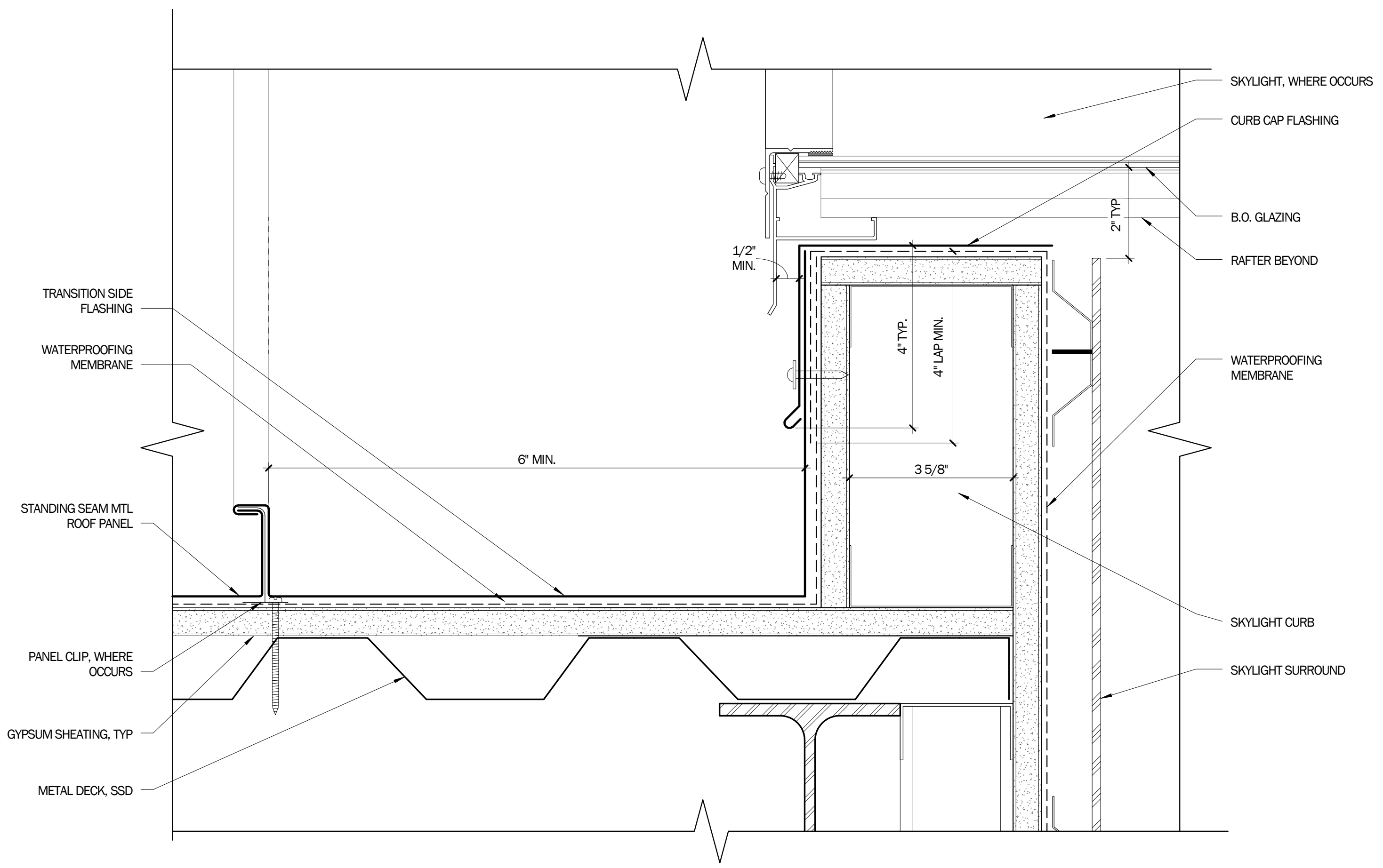
ROOF DETAILS

SHEET TITLE  
SCALE

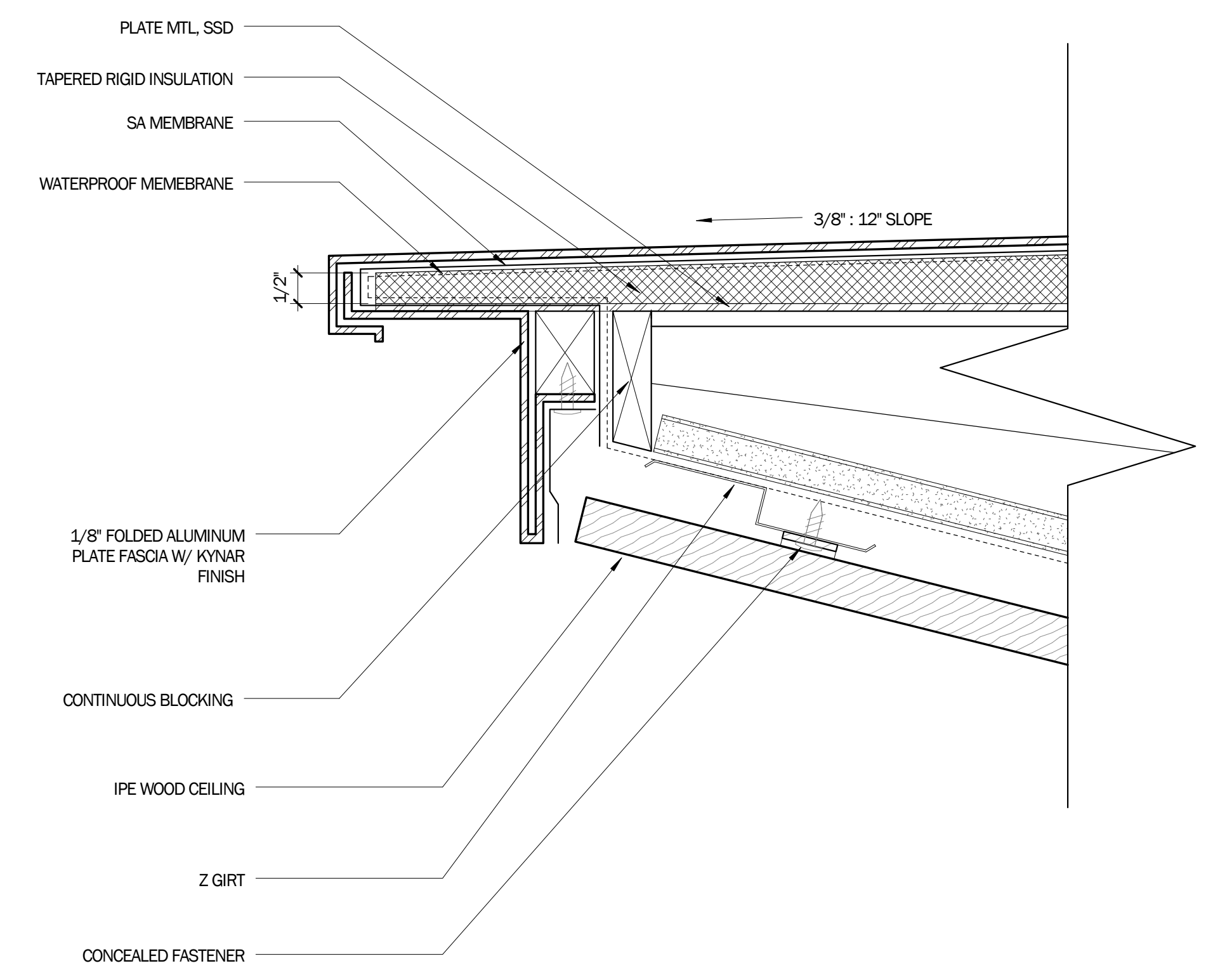
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DRAWING NO.

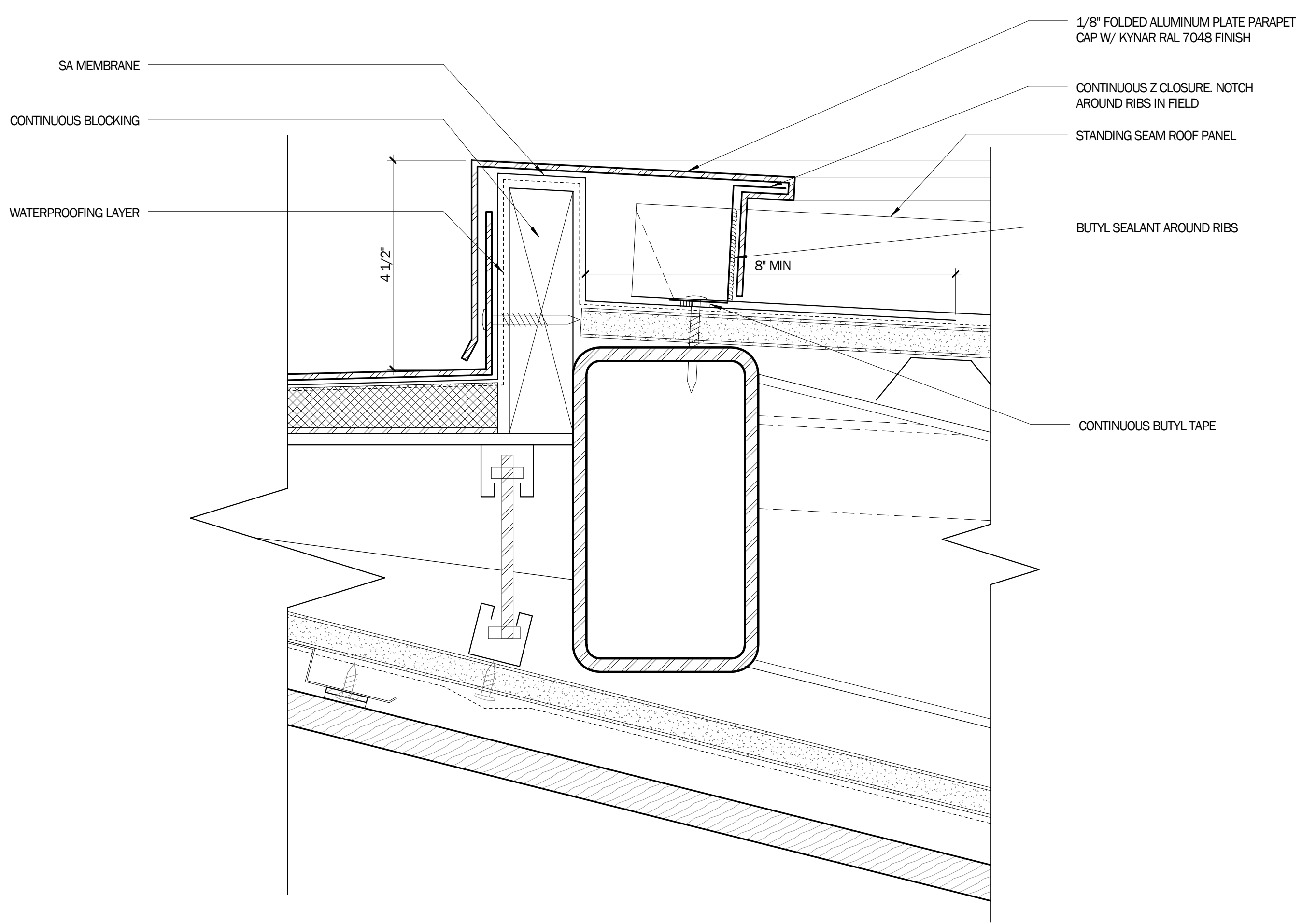
NOT FOR CONSTRUCTION



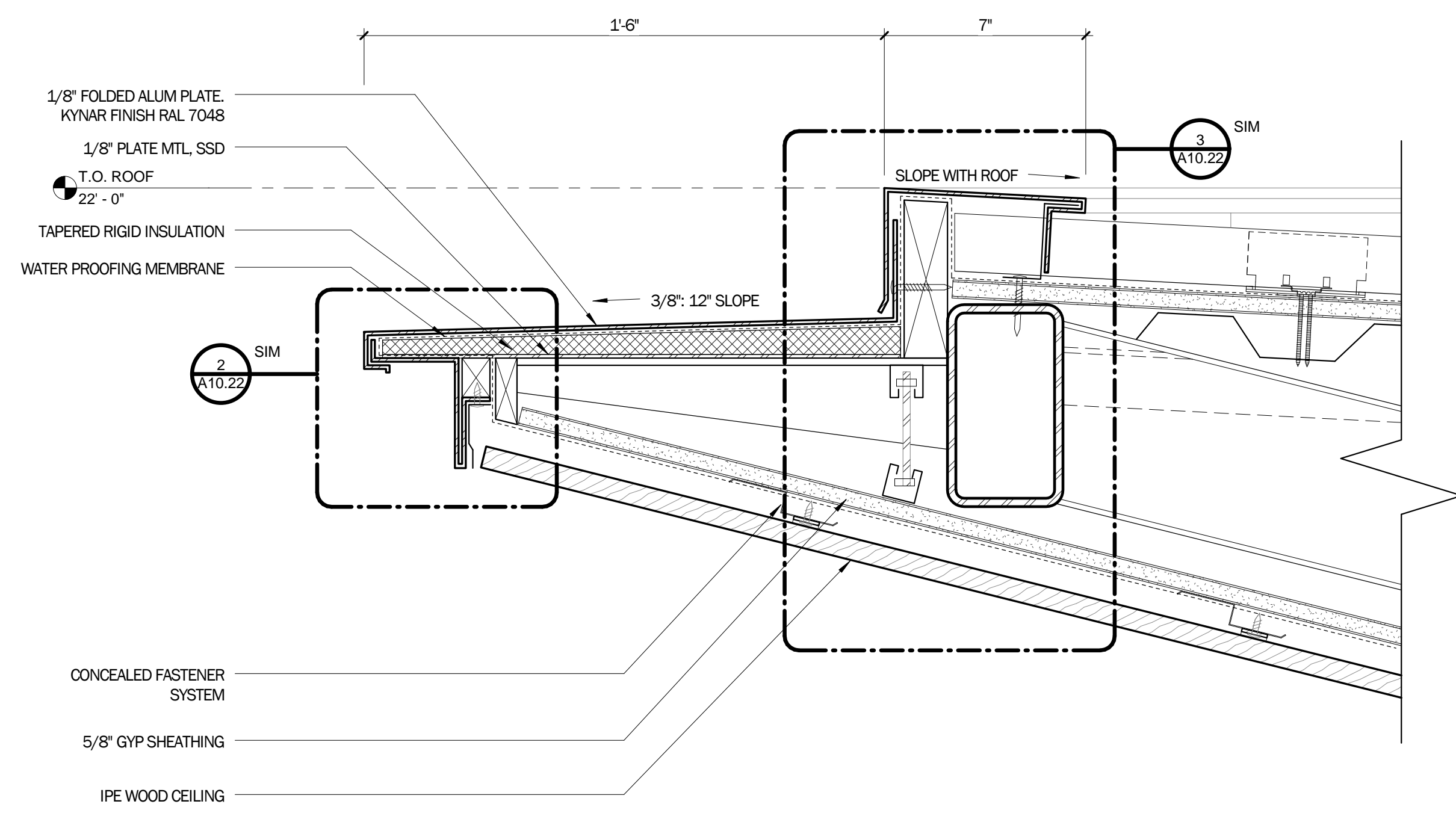
**4 WATERPROOFING @ SKYLIGHT CURB**  
6" = 1'-0"



**2 WP @ FASCIA**  
6" = 1'-0"



**3 WP @ PARAPET**  
6" = 1'-0"



**1 ROOF DETAIL @ FASCIA**  
3" = 1'-0"

NOTE:  
-SEE A10.22 FOR BIRD CONTROL @ FASCIA  
-ELEVATION IS IN RELATIONSHIP TO REFERENCE ELEVATION OF "0", WHICH REFERS TO CIVIL SITE ELEVATION OF 113.75'. SEE GENERAL NOTES A0.20.

C:\Users\handy\Documents\A10 FERRY SHELTER\_2015\Cenral\_a10\dwg\roofdetail.dwg, v1

LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND**  
SUB-PHASE 1B, 1C & 1E  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

**PARKS**  
Ferry Shelter &  
Support Structures:  
Ferry &  
Bus Shelters  
PERMIT ISSUE

PROJECT NO:	LEN1401
DRAWN BY:	REVISIONS
DATE:	03/31/2016
NO.	DESCRIPTION
BY:	DATE:

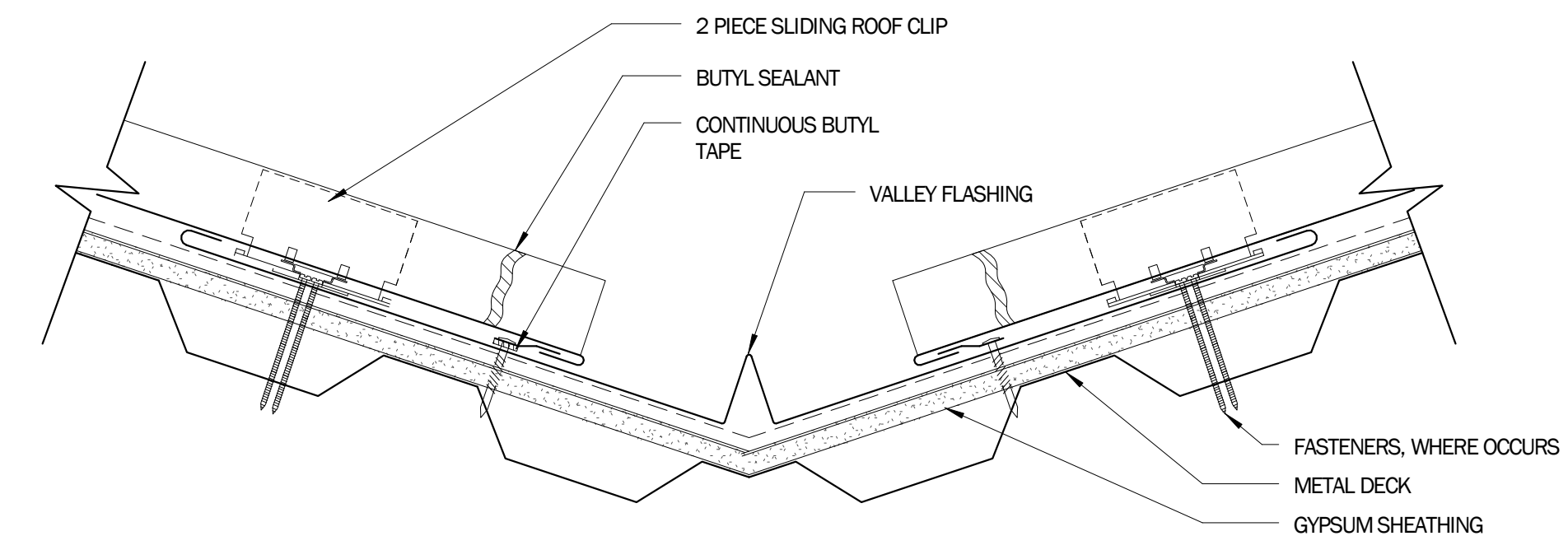
ROOF DETAILS

SHEET TITLE  
SCALE

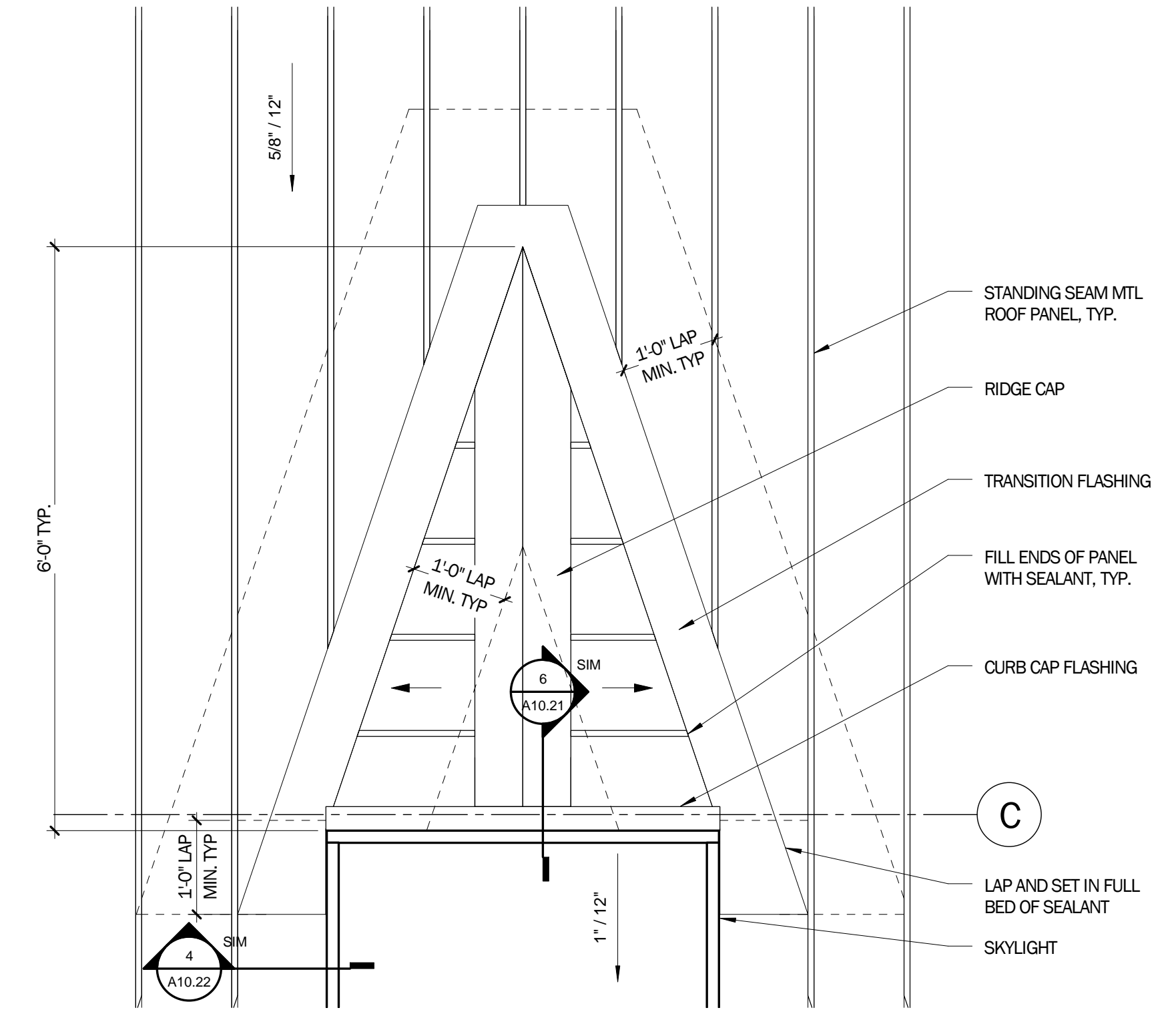
**A10.23**

DRAWING NO.

NOT FOR CONSTRUCTION



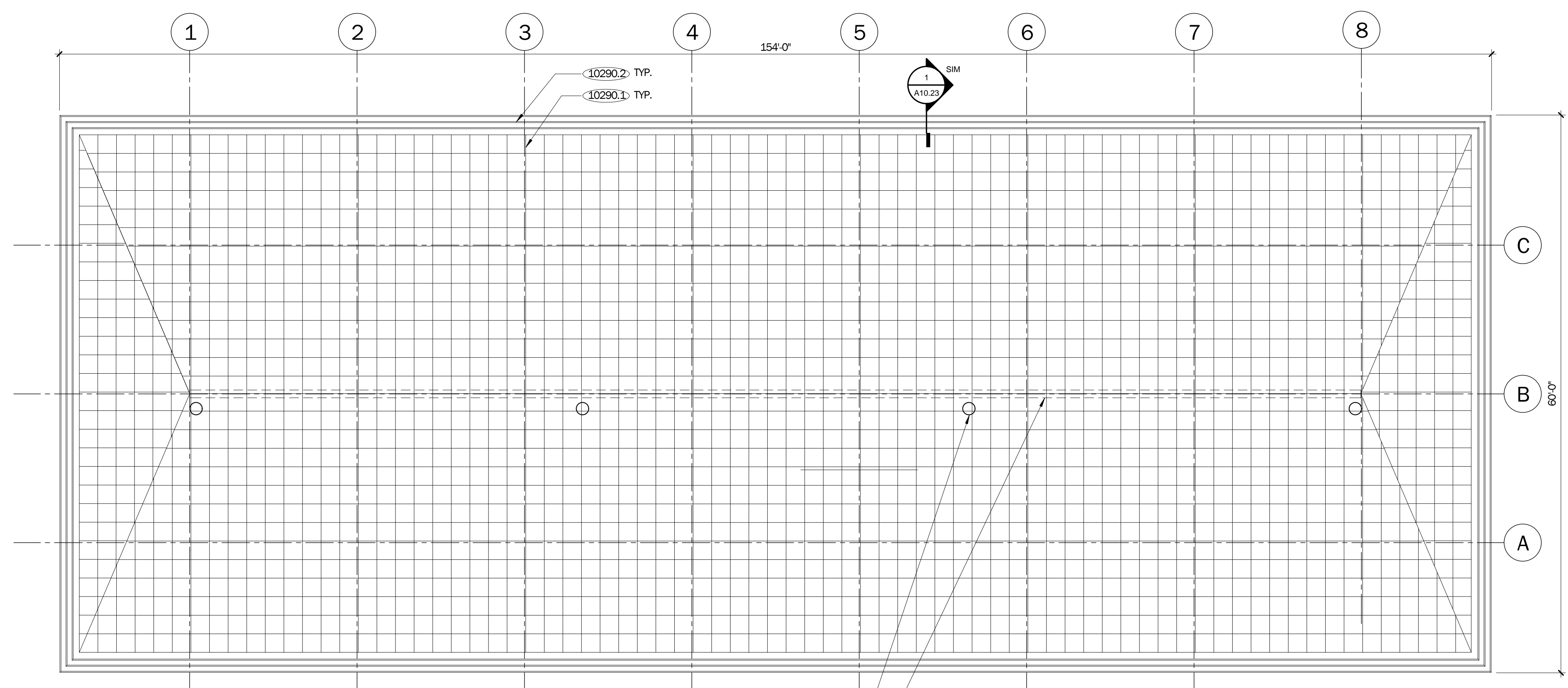
**5 VALLEY FLASHING**  
3/4" = 1'-0"



**3 CRICKET PLAN**  
3/4" = 1'-0"

**BIRD CONTROL KEYNOTE LEGEND**

- 10290.1 BIRD CONTROL, STEALTHNET
- 10290.2 BIRD CONTROL, BIRD SHOCK FLEX-TRACK

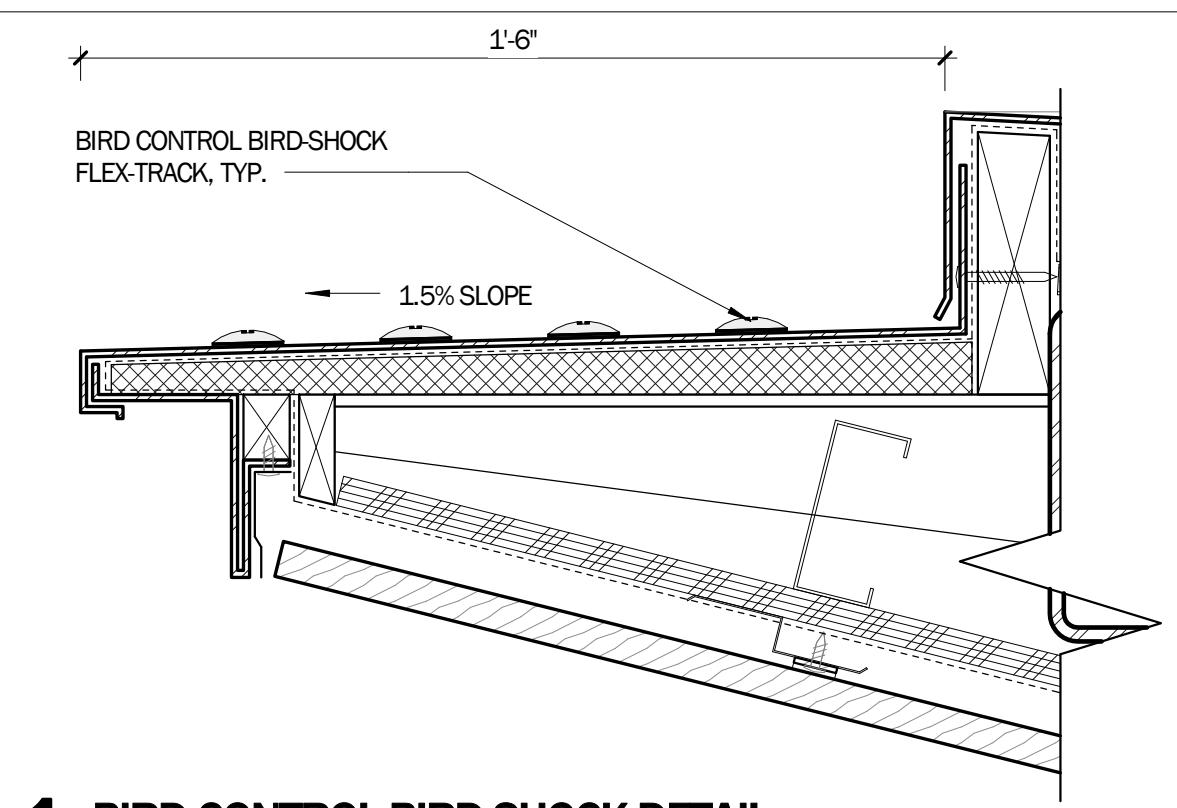


**4 BIRD CONTROL ROOF PLAN**  
1/8" = 1'-0"

CUSTOM BRACKET FOR POST SUPPORTS FOR STEALTHNET, TYP.  
CUSTOM BRACKET BASED ON ROOF / GUTTER PROFILE.  
OFFSET FROM GUTTER.

GUTTER LOCATION, SHOWN FOR REFERENCE

- NOTES:**
- BIRD BARRIER STEALTHNET, 2" GRID. COLOR: TBD
  - POSTS TO SUPPORT STEALTHNET TO BE SS, PAINTED TO MATCH ROOF. POSTS ARE 3'-3" TALL ABOVE FINISH SURFACE @ COLUMN B, VIF.
  - SEE PIPE PENETRATION FOR WATERPROOFING @ STEALTHNET SUPPORT POSTS.
  - BIRD BARRIER BIRD-SHOCK FLEX-TRACK COLOR: TBD



**1 BIRD CONTROL BIRD-SHOCK DETAIL**  
3" = 1'-0"



LICENSE STAMP

TREASURE ISLAND DEVELOPMENT AUTHORITY  
**TREASURE ISLAND  
SUB-PHASE 1B, 1C & 1E**  
CITY OF SAN FRANCISCO COUNTY OF SAN FRANCISCO CALIFORNIA 94130

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PROJECT NO:	LEN1401	REVISIONS	NO.	DATE
DRAWN BY:		DESCRIPTION	BY	DATE

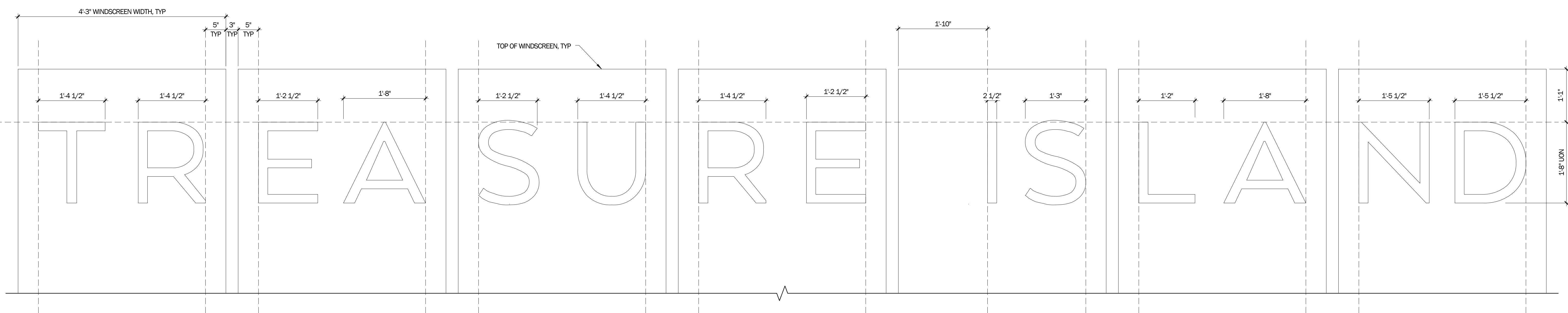
SIGNAGE  
DETAILS

SHEET TITLE  
SCALE

**A11.10**

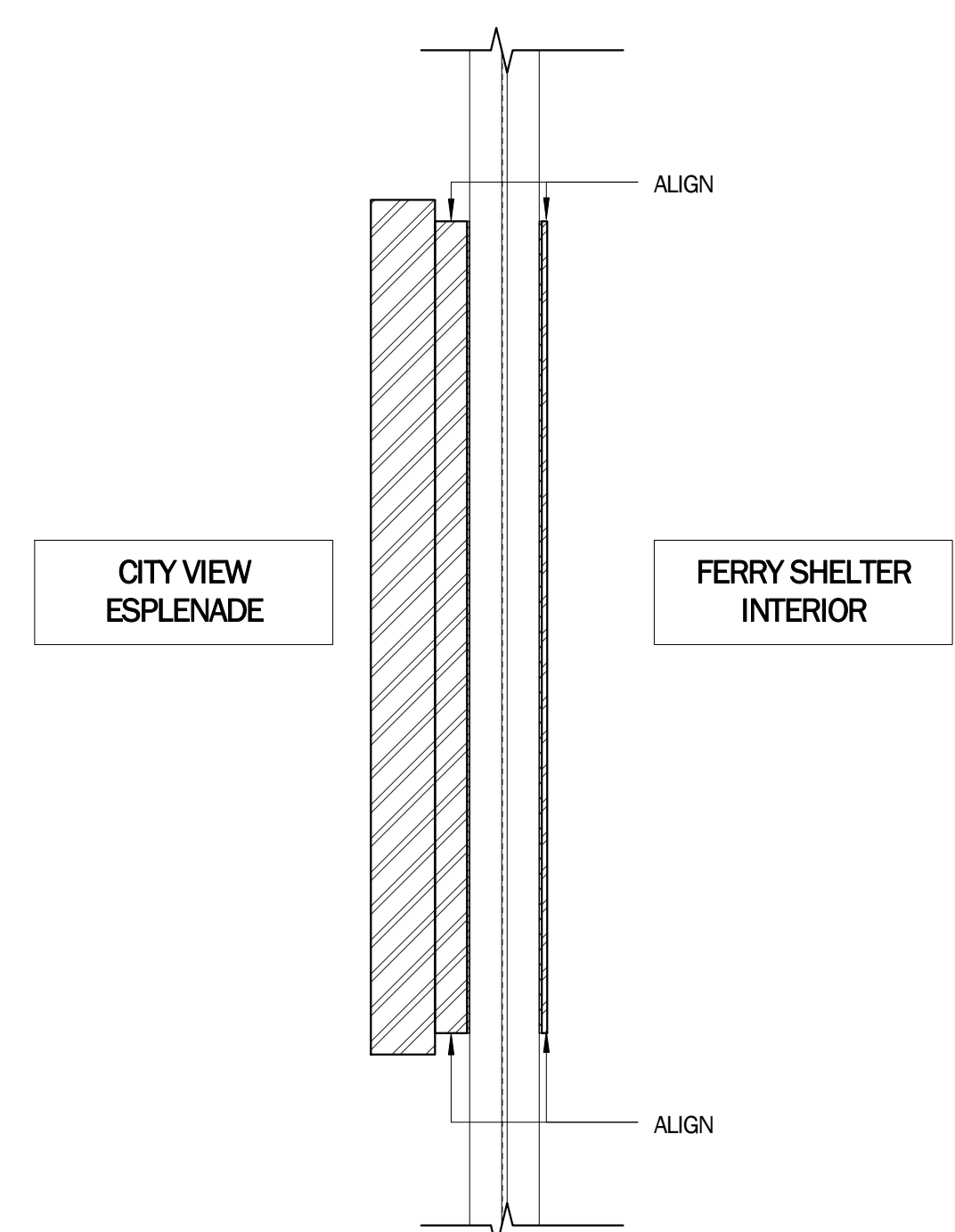
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NOT FOR CONSTRUCTION

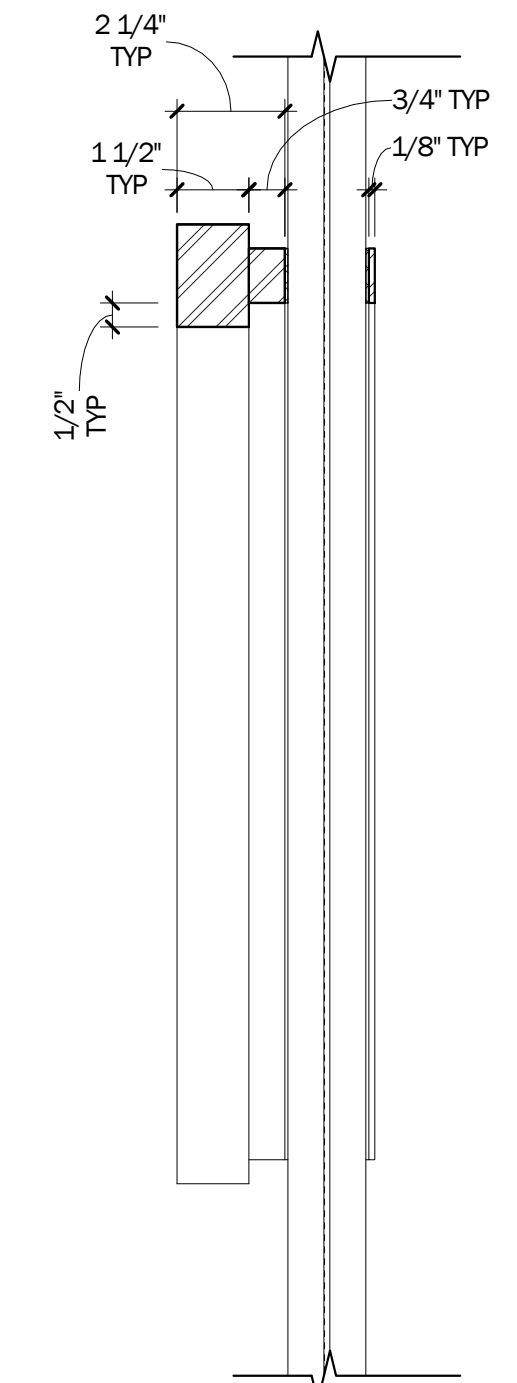


NOTES:  
1. FONT TYPE: ARQUITECTA (REGULAR), TYP.

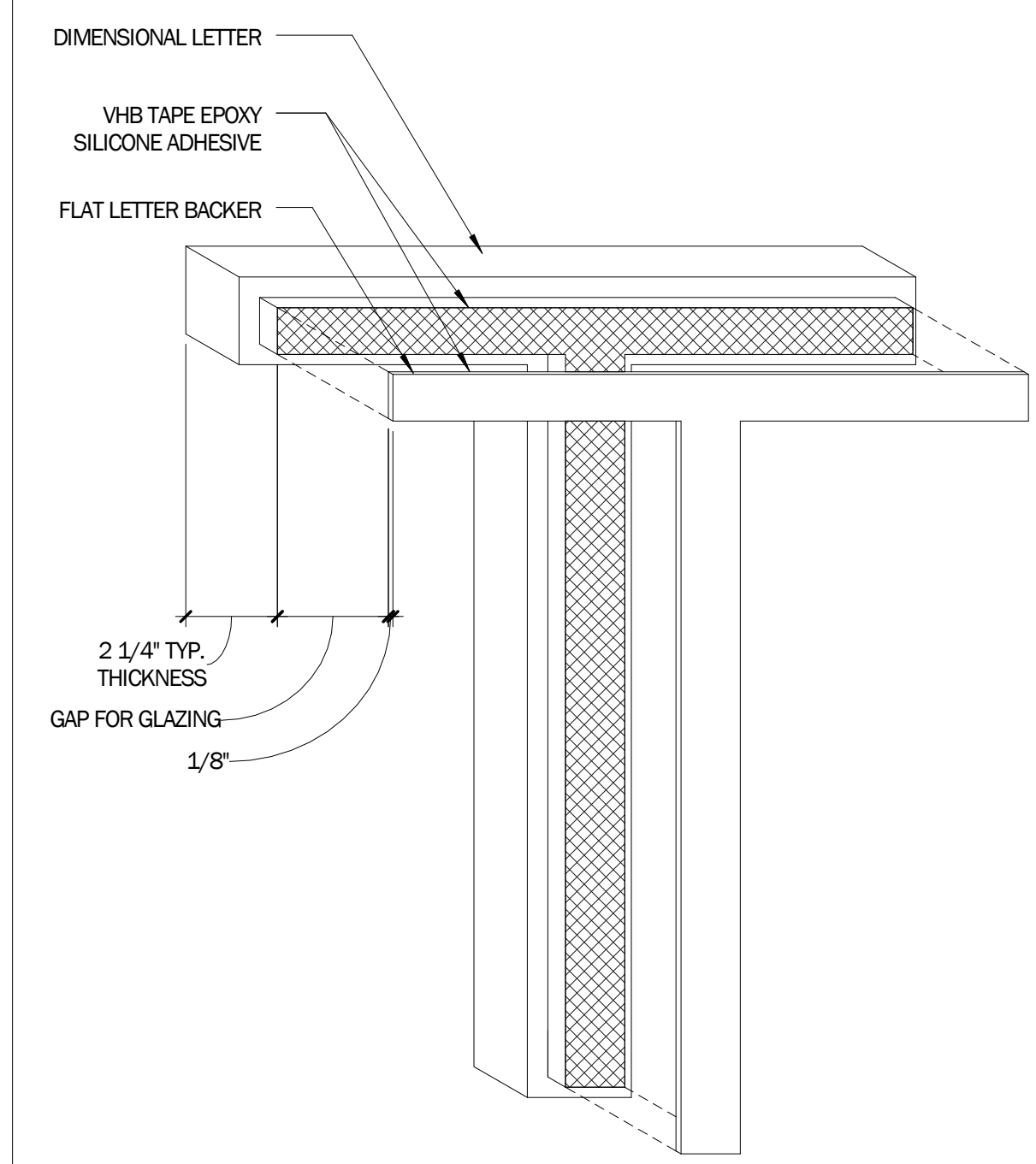
**6 SIGNAGE ELEVATION**  
1" = 1'-0"



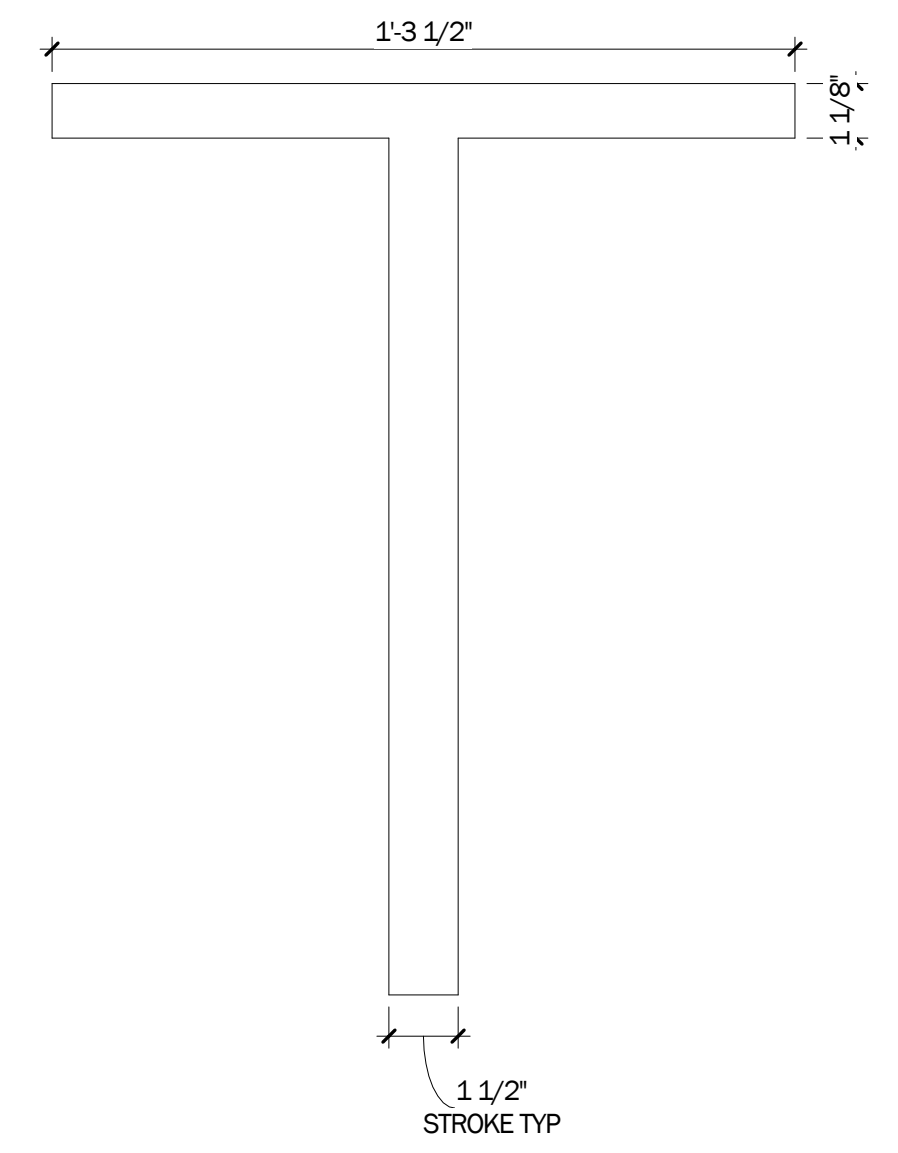
**5 SIGNAGE SECTION**  
3" = 1'-0"



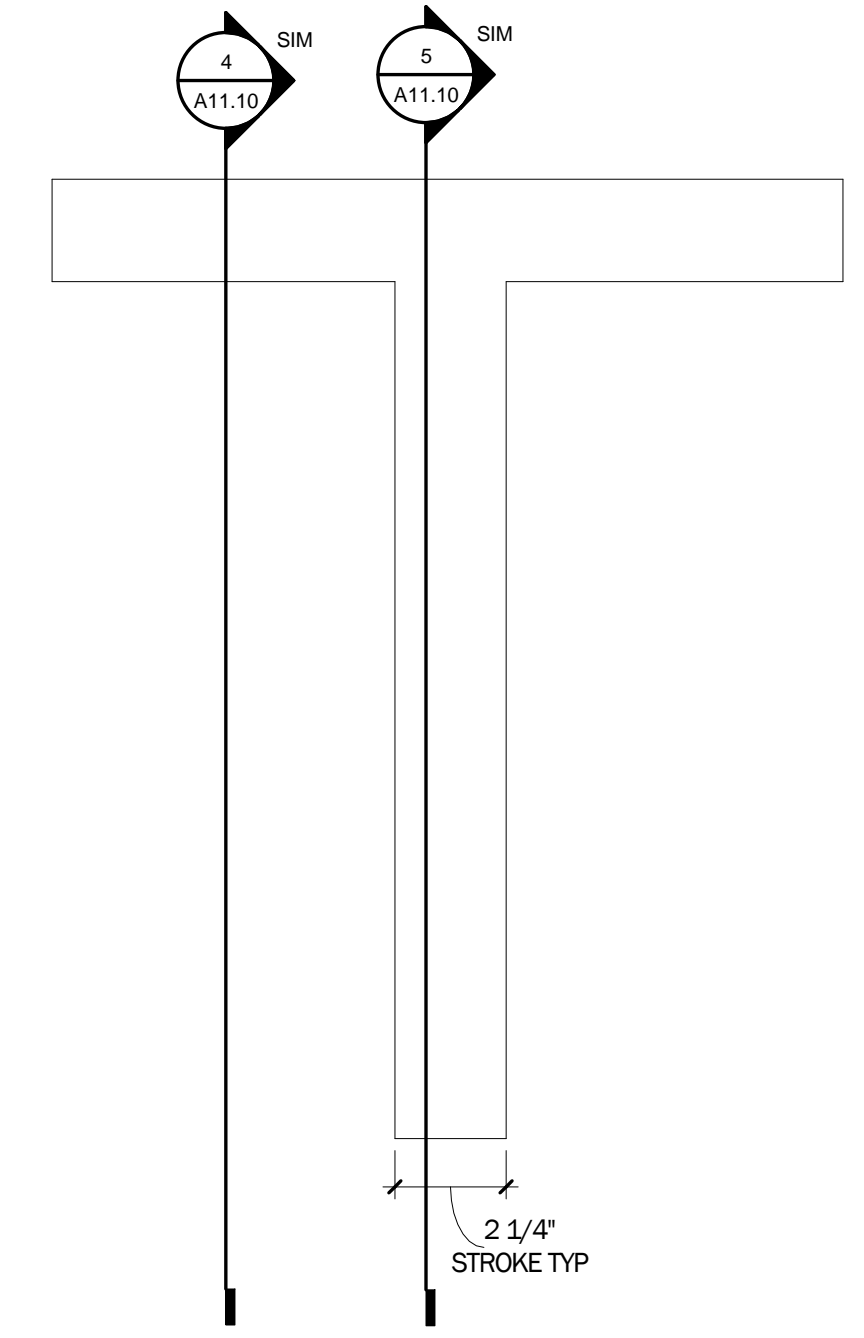
**4 SIGNAGE SECTION**  
3" = 1'-0"



**3 SIGNAGE AXON**  
3" = 1'-0"



**2 FLAT LETTER BACKER DETAIL**  
3" = 1'-0"



**1 DIMENSIONAL LETTER DETAIL**  
3" = 1'-0"