



# POOL SHADE STRUCTURE

## CLOVIS NORTH HIGH SCHOOL

### CLOVIS UNIFIED SCHOOL DISTRICT

### CLOVIS, CALIFORNIA

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-123591 INC:  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 12/22/2025

FILE NO: 16-03 APPL. NO: 02-123591



MARK	DATE	DESCRIPTION

BUILDING IDENTIFIER	BUILDING DESCRIPTION	OCCUPANCY GROUP	TYPE OF CONSTRUCTION	FLOOR AREA SQ. FT.	ALLOWANCE AREA SQ. FT.
'S1'	(1) 16' x 100' Shade Structure: 107 Occupants	A-3	II-B	1,600	9,500
Total Sq.Ft.				1,564	< 9,500

(E) = Existing	O.H. = Overhang / Overhead
(R) = Relocated	Conc. = Concrete
PD = Top of Pad	E.J. = Expansion Joint
Typ. = Typical	Max. = Maximum
F.H. = Fire Hydrant	Min. = Minimum
C.J. = Control Joint	CP. = Cement Plaster
A.C. = Asphalt Concrete	LP. = Laminated Plastic
PL = Property Line	FOS. = Face of Stud
M.E. = Match Existing	QVT = Quartz Vinyl Tile
(N) = New	C.L. = Chain linked
TC = Top of Concrete	L.M.B. = Liquid Marker Board
F.F. = Finish Floor or Factory Finish	F.E.C. = Fire Extinguisher Cabinet
T.GL. = Tempered Glass	F.E. = Fire Extinguisher
NC = No Change in Grade	N.I.C. = Not in Contract
CLR. = Clear	CL. = Centerline
RS = Rubber Surfacing	SP = Seepage Pit
	TD = Trench Drain

**SCOPE OF WORK**  
 CONSTRUCTION OF NEW 100' x 16' SHADE STRUCTURE AND RELATED SITE WORK.

**DEFERRED APPROVAL**  
 NONE.

**GOVERNING CODES**  
 Construction shall comply with Title 24, California Code of Regulations (CCR), including the following:  
 Title 19 CCR, Public Safety, State Fire Marshal Regulations  
 Title 24 CCR, Part 1 - 2025 Building Standards Administrative Code  
 Title 24 CCR, Part 2 - 2022 California Building Code, Vol. 1 & 2 (CBC) (2021 IBC, as amended by CA)  
 Title 24 CCR, Part 3 - 2022 California Electrical Code (CEC) (2020 NEC, as amended by CA)  
 Title 24 CCR, Part 4 - 2022 California Mechanical Code (CMC) (2021 UMC, as amended by CA)  
 Title 24 CCR, Part 5 - 2022 California Plumbing Code (CPC) (2021 UPC, as amended by CA)  
 Title 24 CCR, Part 6 - 2022 California Energy Code  
 Title 24 CCR, Part 9 - 2022 California Fire Code (CFC) (2021 IFC, as amended by CA)  
 Title 24 CCR, Part 11 - 2022 California Green Building Standards Code  
 Title 24 CCR, Part 12 - 2022 California Referenced Standards

List of Applicable Standards:  
 2022 NFPA 72, National Fire Alarm Code (CA amended); See UL Standard 1971 for "Visual Devices"  
 Comply with CFC chapter 33 and CBC Chapter 33 for Fire Safety during demolition and construction.

- NOTES**
- Change orders shall be signed by Architect & Owner.
  - Addenda shall be signed by architect & approved by DSA.
  - A "DSA Certified" Class 2 min. Project Inspector employed by the District (Owner) and approved by DSA & Architect shall provide continuous inspection of the work. The duties of the Inspector are defined in section 4-342, part 1, title 24, CCR. A minimum Class 1 Inspector is required.
  - Substitutions affecting items regulated by the Division of the State Architect (DSA) require DSA approval as an Addendum or a Construction Change Document (CCD). DSA approval shall be obtained prior to fabrication and/or installation per section 4-338, part 1, title 24, CCR.
  - Construction Change Documents must be signed by Architect/Engineer on Record or delegated Design Professional and approved by DSA. Submittals & Approval Process to comply with DSA IR A-6.
  - The intent of these drawings and specifications is that the work of the alteration, rehabilitation or reconstruction is to be in accordance with Title 24, California Code of Regulations. Should any existing conditions such as deterioration or noncomplying construction be discovered which is not covered by the DSA approved documents wherein the finished work will not comply with Title 24, California Code of Regulations, a change order, or a separate set of plans and specifications, detailing and specifying the required repair work shall be submitted to and approved by DSA before proceeding with the repair work. Per Sec. 4-317 (c), Part 1, Title 24, C.C.R.
  - Signs and identifications shall be field inspected after installation and approved by the enforcing agency prior to the insurance of a final certificate of occupancy per Appendix Chapter 1, Section 110.2, or final approval where no certificate of occupancy is issued. The inspection shall include, but not be limited to, verification that Braille dots and cells are properly spaced and the size, proportion and type of raised characters are in compliance with these regulations. CBC 1117B.5.1 (4,2).
  - A DSA accepted Testing Laboratory directly employed by the District (Owner) shall conduct all the required tests and inspections for the project.
  - EXEMPT DSA T&I ITEMS:
    - Concrete batch plant inspection is not required for items given in CBC Section 1910A.2.
    - Epoxy shear dowels in site flatwork and/or other non-structural concrete.
    - Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
  - All construction and demolition shall be in accordance with Chapter 33 of the CBC and CFC, and the written safety plan. Refer to DSA Publication BU 24-05 for further information."

**LEGEND**

	SECTION		OPENING NUMBER
	DETAIL		KEY NOTE / GRID NUMBER
	SHEET NUMBER		ROOM NUMBER

**OWNER**  
**CLOVIS UNIFIED SCHOOL DISTRICT:**  
 1450 Herndon Ave.  
 Clovis, California 93611  
 Ph. (559) 327-9000

ARCHITECTURAL	STRUCTURAL
Gonzalez Architects Inc. 7545 N. Del Mar Ave. Suite 203 Fresno, California Ph. 559 . 497 . 1542	Custom Canopies Inc. 11815 Burke Street, Sante Fe Springs, California Ph. 562 . 464 . 4766

**SITE SPECIFIC DESIGN CRITERIA**  
 Climate Zone: Zone 13 Flood Zone: Type X  
 See Custom Canopies Inc. Drawing, Sheet 2 for additional Site Specific Design Criteria

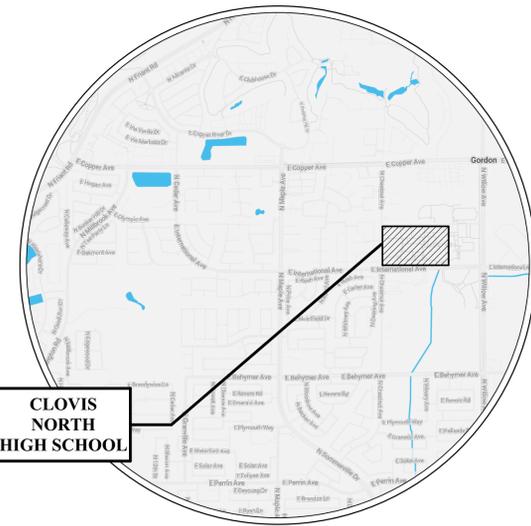
**SHEET INDEX** 14 TOTAL SHEETS

**ARCHITECTURAL**

C	COVER SHEET
A1	CAMPUS SITE PLAN
A2	DEMOLITION / GRADING & STORM DRAINAGE SITE PLANS
A3	ENLARGED SITE PLAN
X1	DETAILS

**STRUCTURAL - CUSTOM CANOPIES INC.**

1	COVER SHEET
2	GENERAL NOTES
3	SPECIFICATIONS
4	SUPPLIER SPECIFICATION
5	FABRIC SPECIFICATIONS
6	PLAN AND ELEVATIONS
7	FRAMING & FABRIC CONNECTION DETAILS
8	FRAMING DETAILS
9	FOUNDATION PLAN DETAILS



**VICINITY MAP**  
 N.T.S.  
 CLOVIS NORTH HIGH SCHOOL  
 2770 E INTERNATIONAL AVE  
 FRESNO, CALIFORNIA 93730

POOL SHADE STRUCTURE  
 CLOVIS NORTH HIGH SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT

**GONZALEZ ARCHITECTS**  
 ARCHITECTURE PLANNING  
 JUAN M. GONZALEZ, A.I.A.  
 7545 N. DEL MAR AVENUE, SUITE 203  
 TEL: 559-497-1542  
 FRESNO CALIFORNIA 93711

PROJECT NO: 2516  
 DATE: 12/11/2025  
 SHEET TITLE:  
 COVER SHEET

C

USER: C:\Company\Gonzalez Architects\Education\Clovis Unified\2516 - Clovis North Pool Shade Structure\Clovis Unified\2516 - Pool Shade Structure\Clovis North.dwg

# BUILDING INDEX DATA

BLDG.	Use	Occupancy Group	Construction Type	DSA #	Remarks
A	Administration Academic / Media	E / B / A-3	I-FR	02-105863	
B	Technology Labs	E / B / A-3	II-N	02-105863	
C	Technology Labs / Yard Maintenance	E / S-1	II-N	02-105863	
D	Multi-Purpose	A-2 / E	II-IHR	02-105863	
H	Gymnasium	A-3	II-IHR	02-105863	
J	Locker / Shower	E	II-N	02-105863	
K	Locker / Shower	B	II-N	02-105863	
L	Performing Arts	E	II-N	02-105863	
M	Maintenance	B / S-2	II-N	02-105863	
P	Field House	E-1	V-N	02-108322	
N	Toilet and Snack Bar Building	B	II-N	02-113788	
R	Classrooms	E	VB	02-117428	
S	Pool Building / Swimming Pools	A-4	II-N	02-108361	
Y	Concert Hall	A-1	II-IHR	02-105863	



810

## FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages. To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

### PROJECT INFORMATION

School District/Owner: CLOVIS UNIFIED SCHOOL DISTRICT  
 Project Name/School: POOL SHADE STRUCTURE @ CLOVIS NORTH HIGH SCHOOL  
 Project Address: 2770 E International Ave, Fresno, CA 93730

### FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WIFA <input type="checkbox"/>	

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.				<input checked="" type="checkbox"/>
4a. <b>Acceptable Alternate:</b> Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				<input checked="" type="checkbox"/>
5a. <b>Acceptable Alternate:</b> Number of fire hydrants and spacing as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.				<input checked="" type="checkbox"/>
6a. <b>Acceptable Alternate:</b> The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				<input checked="" type="checkbox"/>
7a. <b>Acceptable Alternate:</b> The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

**School District Acceptance of Acceptable Design Alternates**  
 By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: \_\_\_\_\_  
 LFA Review Official: \_\_\_\_\_  
 Title: \_\_\_\_\_ Work Phone: \_\_\_\_\_  
 Work Email: \_\_\_\_\_  
 LFA Reviewer's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## SITE PLAN NOTES

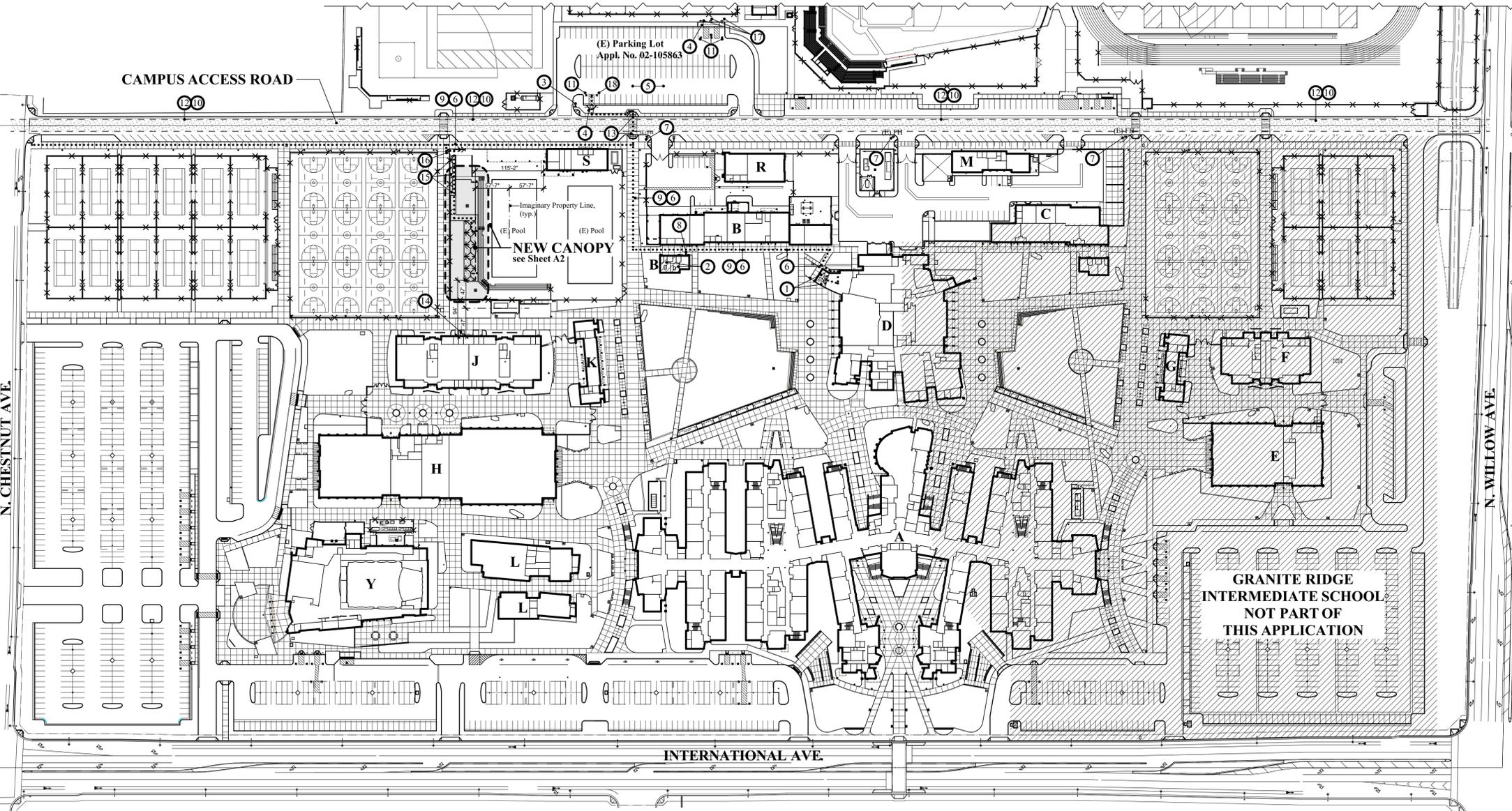
1. BARRIER FREE PATH OF TRAVEL:  
 Accessible path of travel as indicated on plan is a barrier free access POT without any abrupt level changes exceeding 1/2" beveled at 1:2 max. slope, or vertical level changes not exceeding 1/4" max. and at least 48" wide. Surface is slip resistant, stable, firm, and smooth. Cross slope does not exceed 2% and slope in the direction of travel is less than 5% unless otherwise indicated. POT shall maintain free of overhanging obstructions to minimum 80" and protruding objects greater than 4" projection from wall and above 27" and less than 80" (11B-307.3) Passing Spaces at least 60"x60" are located not more than 200' apart (11B-403.5.3) and continuous gradients have 60" level areas not more than 400' apart (11B-403.7). Architect shall verify that there are no barriers in the path of travel.

The POT identified in these construction documents is compliant with current applicable California Building Code accessibility provisions for path of travel requirements for alterations and structural repairs. As part of the design of this project, the POT was examined and any elements, components or portion of the POT that were determined to be noncompliant 1) have been identified and 2) the corrective work necessary to bring them into compliance has been included within the scope of this project's work through details, drawings and specifications incorporated into these construction documents. Any noncompliant elements, components or portion of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are so indicated in these construction documents. During construction, if POT items within the scope of the project represented as code (CBC) compliant are found to be noncompliant beyond reasonable construction tolerances, they shall be brought into compliance with the CBC as a part of this project by means of a "Construction Change Document" (form DSA 140).

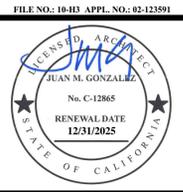
2. Where works abuts existing concrete curb and or walk match existing concrete elevation. (U.O.N.)

## SITE PLAN KEY NOTES

- (E) Men's & Women's Staff Accessible Toilet Rooms per Appl. #02-105863
- (E) Boys' & Girls' Accessible Toilet Rooms per Appl. #02-105863 / 02-117428
- Tow-Away Signage
- (E) Accessible conc. curb cut ramp with truncated domes per Appl. #02-105863
- (E) Parking Stalls per Appl. #02-105863  
 111 (E) Parking Stalls  
 101-150 Parking Stalls require 5 Accessible Stalls  
 5 Accessible Stalls provided of which 1 is van accessible.
- Barrier Free Path of Travel. See Site Plan Note 1.
- (E) Fire Hydrant
- (E) Wall mounted Hi-Lo Drinking Fountain with guard railing per Appl. #02-105863
- (E) Concrete Walk
- (E) A.C. Paving
- (E) Accessible Parking stalls, per Appl. #02-105863
- (E) Fire Access Lane (20' wide)
- Truncated Domes over (E) Conc. curb cut Ramp
- (E) Wall mounted fire alarm horn
- (E) Concrete ramp, landings & metal railing, per Appl. #02-108361
- (E) Double chain link gate; Replace leaf with Accessible chain link gate w/ lever hardware.
- Fine sign over (E) Accessible parking signage
- (E) Van accessible Parking stalls, per Appl. #02-105863



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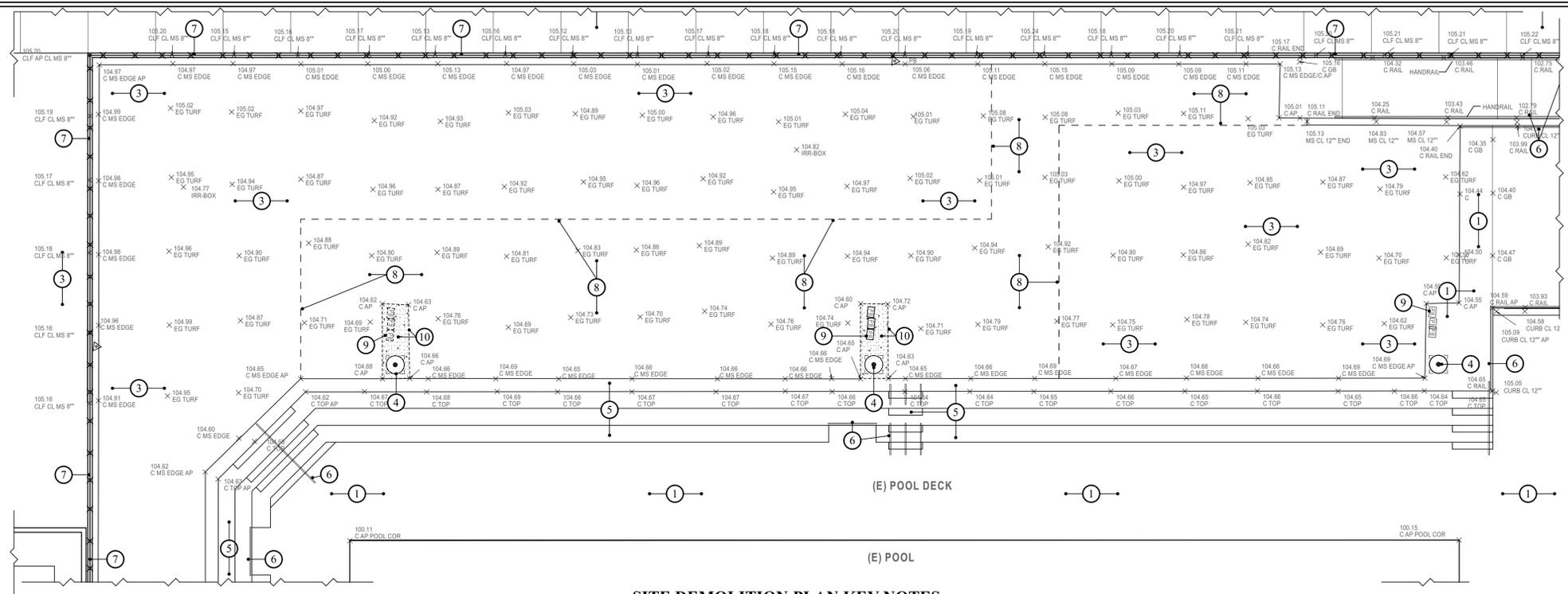
POOL SHADE STRUCTURE  
 CLOVIS NORTH HIGH SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT  
**GONZALEZ ARCHITECTS**  
 ARCHITECTURE PLANNING  
 JUAN M. GONZALEZ, A.I.A.  
 7545 N. DEL MAR AVENUE, SUITE 203  
 FRESNO CALIFORNIA 93711  
 TEL: 559-497-1542

PROJECT NO: 2516  
 DATE: 12/11/2025  
 SHEET TITLE:  
 CAMPUS SITE PLAN

A1

**CAMPUS SITE PLAN**  
 SCALE: 1" = 100'  
 CLOVIS NORTH HIGH SCHOOL  
 2770 E INTERNATIONAL AVE.  
 FRESNO, CALIFORNIA 93730

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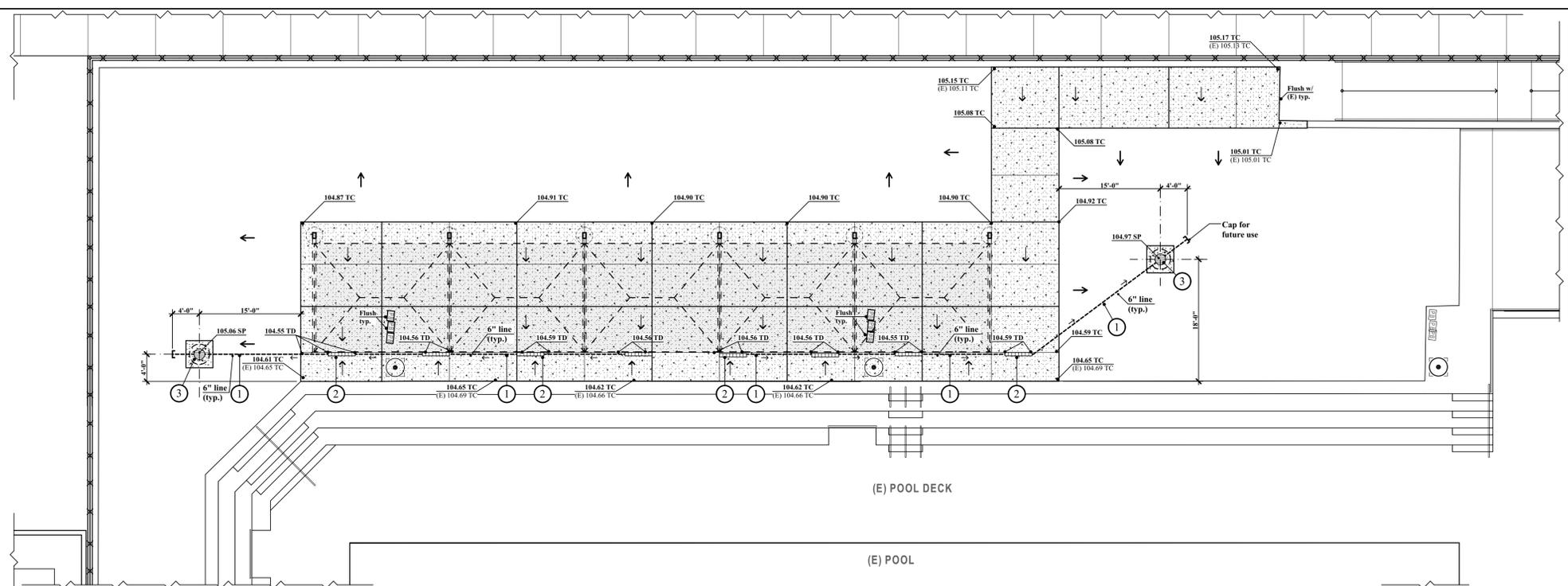


**LEGEND**

(E) 100.00 C	Existing Grades
(E) 100.00 P	
X 100.00	Existing Grades
X 100.00 C	New Grades
100.00 P	

- SITE DEMOLITION PLAN KEY NOTES**
- 1 (E) Concrete Walk / Paving, (typ.)
  - 2 (E) Elect. and low voltage boxes, (typ.)
  - 3 (E) Turf. Regrade to feather away from concrete walk, (typ.)  
See General Note #4 & 5, Sheet A3
  - 4 (E) Light Pole with conc. base, (typ.)
  - 5 (E) Concrete bleachers & steps, (typ.)
  - 6 (E) Metal railing, (typ.)
  - 7 (E) C.L. fence with conc. mowstrip, (typ.)
  - 8 Remove / modify turf and sprinkler, (typ.)  
See General Note #4 & 5, Sheet A3
  - 9 (E) Pullboxes to remain, (typ.)
  - 10 Sawcut and remove conc. paving, (typ.)

**DEMOLITION SITE PLAN**  
 SCALE: 1" = 10'-0"



- ENLARGED SITE PLAN NOTES**
- Where new work abuts existing concrete curb and or walk match existing concrete or a.c. paving elevation. (U.O.N.)
  - Finish grade at walks and curbs shall be per details on Sheet A3, U.O.N.
  - Impervious surfaces perpendicular and adjacent to structure shall slope 1% min. and 2% max.
  - Concrete Paving shall slope 2% max. slope in any direction, (typ.)

- GRADING SITE PLAN KEY NOTES**
- 1 6" Storm drain line (U.O.N.); for other sizes see Plan.
  - 2 Trench Drain, (typ.)  $\frac{2}{A3}$
  - 3 Seepage pit  $\frac{3}{A3}$

**GRADING & STORM DRAINAGE SITE PLAN**  
 SCALE: 1" = 10'-0"

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FILE NO: 10-03 APPL. NO: 02-123591  
 LICENSED ARCHITECT  
 JUAN M. GONZALEZ  
 No. C-12865  
 RENEWAL DATE  
 12/31/2025  
 STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION

POOL SHADE STRUCTURE  
 CLOVIS NORTH HIGH SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT  
**GONZALEZ ARCHITECTS**  
 ARCHITECTURE PLANNING  
 JUAN M. GONZALEZ, A.I.A.  
 7545 N. DEL MAR AVENUE, SUITE 203  
 FRESNO CALIFORNIA 93711  
 TEL: 559-497-1542

PROJECT NO: 2516  
 DATE: 12/11/2025  
 SHEET TITLE:  
 DEMOLITION / GRADING &  
 STORM DRAINAGE SITE PLANS

A2

IDENTIFICATION STAMP  
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MARK	DATE	DESCRIPTION

**ARCHITECTS**  
 ARCHITECTURE PLANNING  
 JUAN M. GONZALEZ, A.I.A.  
 TEL: 559-497-1542  
 7545 N. DEL MAR AVENUE, SUITE 203  
 FRESNO CALIFORNIA 93711

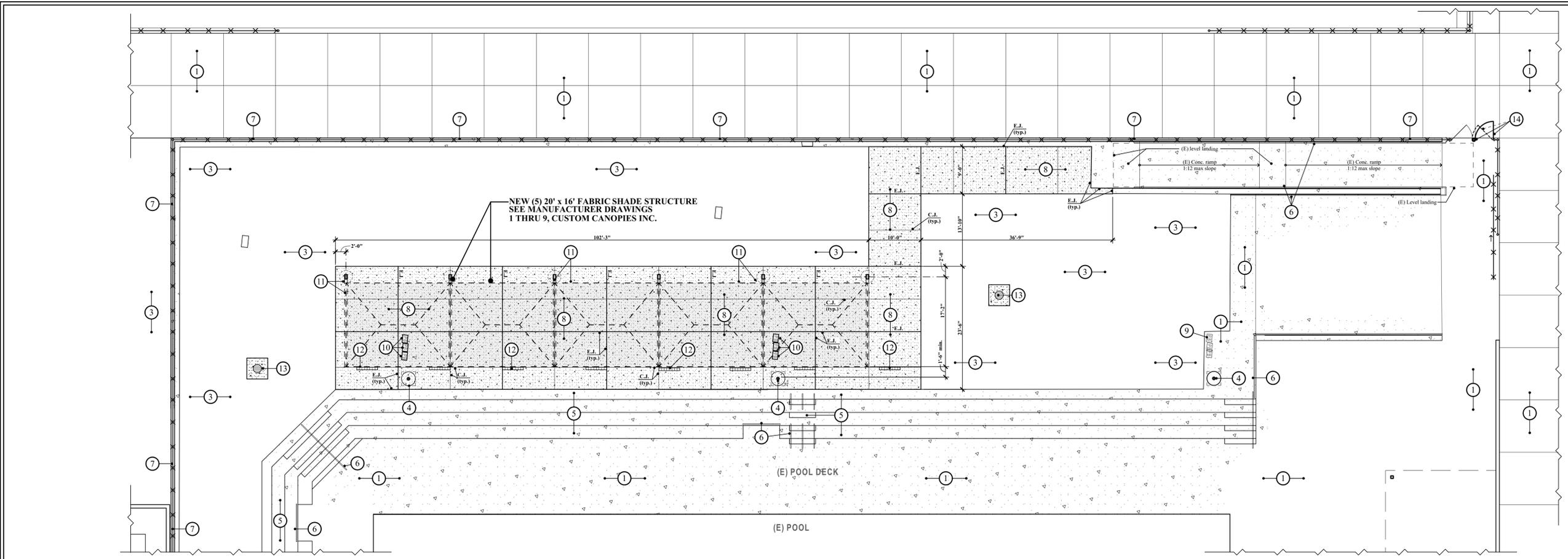
POOL SHADE STRUCTURE  
 CLOVIS NORTH HIGH SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT



PROJECT NO: 2516  
 DATE: 12/11/2025

SHEET TITLE:  
 ENLARGED SITE PLAN

A3



**ENLARGED SITE PLAN**  
 SCALE: 1" = 10'-0"

**ENLARGED SITE PLAN KEY NOTES**

- ① (E) Concrete Walk / Paving, (typ.)
- ② (E) Elect. and low voltage boxes, (typ.)
- ③ (E) Turf: Re-turf with Sod at perimeter of improvements and Regrade to feather away from concrete walk, (typ.) See General Note #4 & 5, Sheet A3
- ④ (E) Light Pole with conc. base, (typ.)
- ⑤ (E) Concrete bleachers & steps, (typ.)
- ⑥ (E) Metal railing, (typ.)
- ⑦ (E) Chain link fencing with conc. mowstrip, (typ.)
- ⑧ Concrete Paving, 2% max. slope in any direction, (typ.)
- ⑨ (E) Pullboxes to remain, (typ.)
- ⑩ Elevate (E) pullboxes ±1" to match concrete paving, (typ.)
- ⑪ 16' x 100' Shade Structure. See PC MFR. Drawings, (typ.)
- ⑫ Trench drain, (typ.)
- ⑬ Seepage pit, (typ.)
- ⑭ (E) Double chain link gate; Replace leaf with Accessible chain link gate, post & footing.

**ENLARGED SITE PLAN NOTES**

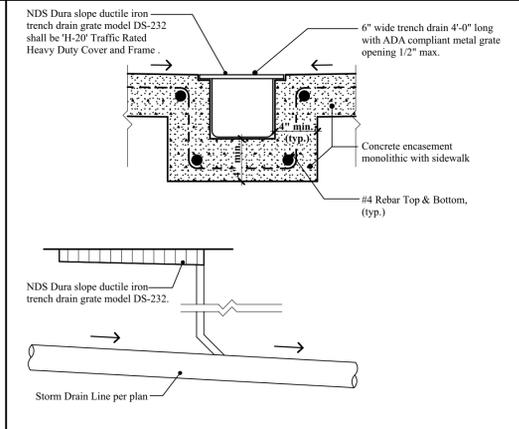
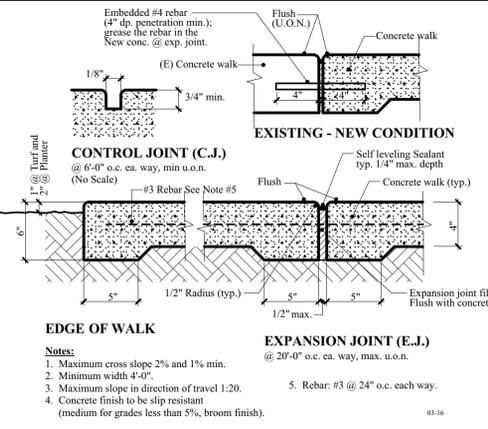
- 1. Where new work abuts existing concrete curb and or walk match existing concrete or a.c. paving elevation. (U.O.N.)
- 2. Finish grade at walks and curbs shall be per details on Sheet A3, U.O.N.
- 3. Impervious surfaces perpendicular and adjacent to structure shall slope 1% min. and 2% max.
- 4. Concrete Paving shall slope 2% max. slope in any direction, (typ.)

**LEGEND**

- (E) 100.00 C Existing Grades
- (E) 100.00 P Existing Grades
- × 100.00 EG TURF Existing Grades
- 100.00 C New Grades
- 100.00 P New Grades

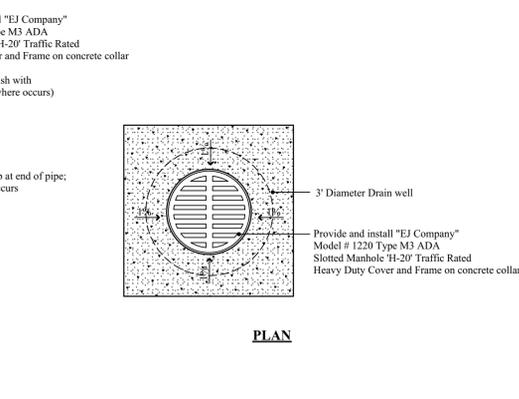
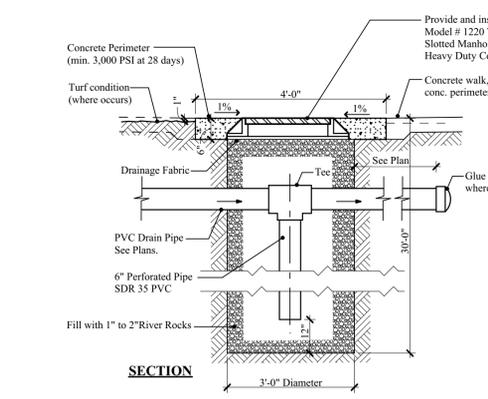
**GENERAL NOTES:**

1. **UTILITY EXCAVATIONS:**
  - A. Contact Underground Service Alert (U.S.A.) at 1-800-642-2444 48 hours minimum prior to excavation for underground utility for PG&E Gas and Electric Lines locations.
  - B. Existing utilities and site elements damaged during construction shall be repaired immediately. Coordinate repair work with Site Inspector and District Staff. Schedule utility orientation with Inspector 48 hrs. prior to start of construction.
2. **EARTHWORK SPECIFICATIONS:**
  - A. General: Excavate building, concrete walk, and paved area of all loose material and to a minimum of 12 inches.
  - B. Scarify exposed subgrade and all areas to receive fill to depth of 8 inches.
  - C. Recompact native soil subgrade to a density of not less than 90 percent in accordance with ASTM D 1557.
  - D. Compact Earth Fill : 95 percent compaction at paving, parking and driveway areas within the upper 8 inches of subgrade soil.
3. **CONCRETE WORK SPECIFICATIONS:**
  - Concrete Work shall consist of Walkway Paving.
  - A. Required Compressive Strength (Fc) = 3,000 PSI at 28 days.
  - B. Mix Design and Material Proportions shall be in accordance with C.B.C. Section 1903A & ACI 318-19 Section 26.4.3. Maximum Aggregate size = 1". Maximum slump allowed = 4". Water / Cement ratio: Footings - 0.58
  - C. Licensed Weighmaster shall identify materials and quantities and shall certify each load by a ticket. Ticket shall be transmitted to the Project Inspector per Title 24, Section 1705A.3.3.
  - D. Reinforcing Steel Shall be ASTM A615, Fy = 40,000 psi min.
4. **IRRIGATION SYSTEM IMPROVEMENTS:**
  - Contractor shall remove and or modify existing landscape irrigation system affected as required to perform new work. Field verify with Campus Plant Coordinator. Modify system as required to continue use of campus irrigation system while construction is being performed. Modify and provide a complete irrigation system; including lines, quick couplers, sprinkler heads, christy boxes etc.... Adjust new and existing spray patterns effecting new and adjacent work areas as required; Contractor shall provide written verification to Architect in the form of signatures from the Inspector and District Irrigation Representative indicating completion and system performance to their satisfaction. Verification shall be provided for each site. An Architect provided form shall be provided to Contractor for required signatures. The Contractor shall conduct a Site Visit prior to Bidding to evaluate the existing irrigation systems and to determine the extent of the irrigation system improvements. General Contractor shall submit to Architect Shop Drawings of proposed irrigation system improvements for review and approval prior to commencing work.
5. **LANDSCAPING IMPROVEMENTS:**
  - Provide all labor and materials necessary to interface new landscaping and existing landscaping. Landscaping interfacing is defined as all work necessary to provide a complete finished product; bare soil will not be accepted. Sod turf shall be applied to bare soil. Existing turf shall be removed to achieve desired grade. A 60 day maintenance period is required for this work. The extent of this work is and any areas on site damaged by the Contractor or his forces. Protective barriers shall be provided. Battery operated timers at valves may be used to assist with maintenance watering. Contractor shall provide written verification to Architect in the form of signatures from the Inspector and District Irrigation Representative indicating completion to their satisfaction. Contractor to verify with Owner regarding the type of Turf required.



**1 CONCRETE WALK** N.T.S

**2 TRENCH DRAIN** N.T.S



**3 SEEPAGE PIT** N.T.S

N.T.S

USER:ERCompany\Contractor\_Architects\Education\Clovis Unified\2516 - Clovis North Pool Shade Structure\Clovis Unified\2516 - Pool Shade Structure\Clovis North.pln

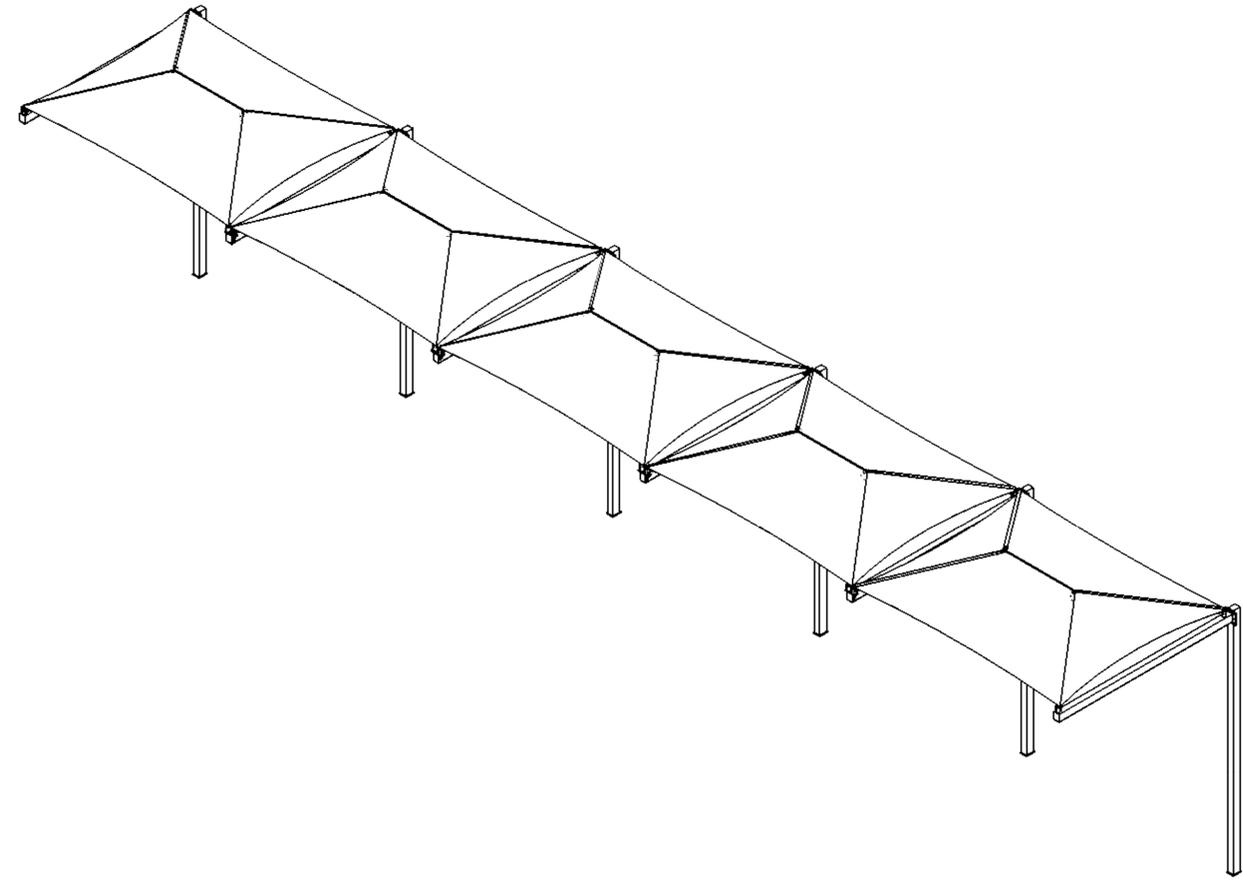


LIST OF MATERIALS

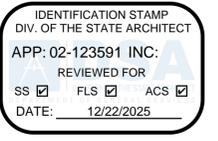
ITEM NO.	DESCRIPTION	QTY	MATERIAL / SHAPE
1	COLUMN	6	HSS - 10 X 6 X 0.375
2	CANTILEVER ARM	6	HSS - 10 X 6 X 0.375
3	CANTILEVER ARM SPIGOT	20	HSS - 2.375 X 0.250
4	RAFTER	20	HSS - 2.875 X 0.203
5	CANTILEVER ARM TO RAFTER TUBE	20	HSS - 2.875 X 0.203
6	RIDGE SPIGOT	20	HSS - 2.375 X 0.250
7	RIDGE	5	HSS - 2.875 X 0.203
8	FABRIC PIN	20	1/2" OD ROUND BAR
9	STIFFENER	16	STEEL PLATE - 3/8"
10	SPIGOT PLATE	8	STEEL PLATE - 5/8"
11	COLUMN CONNECTION PLATE	12	STEEL PLATE - 3/4"
12	COLUMN CAP	6	STEEL PLATE - 1/4"
13	CANTILEVER ARM CAP	6	STEEL PLATE - 1/4"
14	BASE PLATE	6	STEEL PLATE - 1/4"
15	1/4" - 7X19 WIRE ROPE	5	GALV. (SEE NOTES)
16	1/4" - CABLE CLAMP	15	GALV.
17	HDPE FABRIC	5	HDPE MESH (SEE NOTES)
18	3/4" - HEX BOLT SET	36	GALV.
19	5/8" HEX BOLT SET	40	GALV.
20	GUSSET	20	STEEL PLATE - 1/4"
21	KNIFE PLATE	10	STEEL PLATE - 1/2"

SHEET INDEX	
SHEET 1 OF 9	COVER SHEET
SHEET 2 OF 9	GENERAL NOTES
SHEET 3 OF 9	SPECIFICATIONS
SHEET 4 OF 9	SUPPLIER SPECIFICATIONS
SHEET 5 OF 9	FABRIC SPECIFICATIONS
SHEET 6 OF 9	PLAN AND ELEVATIONS
SHEET 7 OF 9	FRAMING & FABRIC CONNECTION DETAILS
SHEET 8 OF 9	FRAMING CONNECTION DETAILS
SHEET 9 OF 9	FOUNDATION PLAN AND DETAILS

1. ALL HEX BOLT SETS INCLUDE, HEX BOLT, HEX NUT, 2 FLAT WASHERS, 1 SPLIT LOCK WASHER



SEAL



ENGINEER & MANUFACTURER

CUSTOM CANOPIES INC.  
 11815 BURKE ST,  
 SANTE FE SPRINGS, CA 90670

PROJECT / LOCATION

CLOVIS NORTH HIGHSCHOOL  
 2770 E. INTERNATIONAL AVE  
 FRESNO, CA 93730

DRAWING NO.

E3888

MODEL

CHCI - 100X16X11

DRAWN BY:	IB	DATE:	08/11/2025
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**CONCRETE:**

- ALL CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE 2022 C.B.C. AND THE A.C.I. 318-19 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- SLAB AND FOUNDATION CONCRETE SHALL BE 150 P.C.F. HARDROCK, MIXED PER A.S.T.M. C-94, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I. AT 28 DAY. MAX. SLUMP TO BE 4" ± 1" OF W/C RATIO < .45
- THE MAXIMUM SIZE AGGREGATE IN FOUNDATION AND MASS CONCRETE WORK SHALL BE 1 INCH.
- CEMENT SHALL CONFORM TO A.S.T.M.. C-150 TYPE II, FOR NORMAL WEIGHT SHALL CONFORM TO A.S.T.M. C-33.
- ADMIXTURES AND COLORS (EXCEPT AS NOTED HEREIN) SHALL NOT BE USED UNLESS SUBSTANTIATING DATE IS SUBMITTED TO AND ACCEPTED BY THE ENGINEER AND ARCHITECT OF RECORD AND DSA.
- CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY. THE MIX DESIGNS SHALL CONFORM TO ACI 318-19 SECTION 26.4.3. UNLESS NOTED OTHERWISE.
- NON-STRUCTURAL STEEL EMBEDDED IN CONCRETE SHALL BE GALVANIZED OR PAINTED. ALL DAMAGED GALVANIZED AREAS SHALL BE REPAIRED PRIOR TO EMBEDMENT.
- READY MIXED CONCRETE SHALL CONFORM TO (A.S.T.M. C-94).
- PLACEMENT OF CONCRETE SHALL CONFORM THE 2022 C.B.C. AND THE TO A.C.I. 304. CLEAN AND ROUGHEN A FULL AMPLITUDE OF 1/4" BY REMOVING THE ENTIRE SURFACE AND EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX AGAINST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE POURED.
- ALL EXPOSED CONCRETE SHALL HAVE A SMOOTH FORM FINISH USING B-B PLYFORM, CLASS I, EXT-A.P.A. PLYWOOD.
- ALL SLABS SHALL HAVE A TROWELED FINISH EXCEPT AS NOTED ON THE DRAWINGS.
- ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- IF THE CONTRACTOR DESIRES TO MAKE ANY CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THESE DRAWINGS, HE SHALL SUBMIT DETAILS OF CHANGES TO THE ENGINEER OF RECORD FOR REVIEW BEFORE STARTING WORK AND THE ENGINEER OF RECORD TO OBTAIN DSA APPROVAL PRIOR TO STARTING WORK.
- NO BRICK OR POROUS MATERIAL SHALL BE USED TO SUPPORT FOUNDATION STEEL OF THE GROUND.
- PROVIDE 1/2 INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS, U.N.O.
- MINIMUM CONCRETE COVERAGES
  - FOOTINGS CAST AGAINST EARTH 3"
  - FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 2"
- CONCRETE CURING:
  - SLAB AND FDN; TYPICALLY REQUIRED FOR 10 DAYS TO ACHIEVE A MINIMUM OF 3000 PSI STRENGTH PRIOR TO INSTALLATION OF OTHER MAJOR STRUCTURAL COMPONENTS.

**FOUNDATION:**

- THIS STRUCTURE IS DESIGNED TO THE C.B.C. MINIMUM. WHERE SOIL REPORT IS AVAILABLE; ATTACH ONE COPY OF SOILS REPORT TO THE APPROVED SET OF CONSTRUCTION DOCUMENTS. SOILS REPORT SHALL BE PART OF THESE NOTES. PRIOR TO THE POURING OF CONCRETE AND PRIOR TO THE CONTRACTOR REQUESTING A DSA FOUNDATION INSPECTION, THE GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE THE FOOTING EXCAVATIONS. HE SHALL POST NOTICE ON THE JOB SITE AND ADVISE THE DSA INSPECTOR IN WRITING THAT THE WORK SO INSPECTED MEETS THE CONDITIONS OF THE REPORT. A WRITTEN CERIFICATION TO VERIFY THAT:
  - THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED, AND
  - THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE CBC CHPT. 18A.
- TYPE OF FOOTING:
 

FOOTING TYPE	STATIC BEARING PRESSURE
DEEP FOOTING	1,500 PSF
WITH MIN. 10'-0" DEPTH DISCOUNTING TOP 24" OF SHAFT EMBEDMENT.	
LATERAL BEARING	100 PCF*
*MAY BE DOUBLED PER SECTION 1806A.3.4	
- ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
- THE CONTRACTOR SHALL DETERMINE LOCATION OF UTILITY SERVICES IN AREAS TO BE EXCAVATED BEFORE BEGINNING EXCAVATION. EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING. DAMAGE CAUSED AS A RESULT OF FAILING TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN TEMPORARY EXCAVATIONS.
- ALL PLANTERS IN CLOSE PROXIMITY TO THE STRUCTURE SHALL HAVE ADEQUATE DRAINAGE OF SURFACE WATER TO PREVENT SATURATION OF SOIL UNDER FOUNDATION
- 2022 CBC SEISMIC SITE CLASS D-DEFAULT

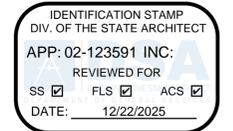
**GENERAL NOTES:**

- THE PROJECT SPECIFICATIONS SHALL BE PART OF THE CONTRACT DOCUMENTS
- THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL REVIEW EXISTING CONDITIONS ON THE SITE DURING THE BIDDING. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO PROCEEDING.
- ALL PHASES OF WORK ARE TO CONFORM TO THE MINIMUM STANDARDS OF THE CBC 2022, RELATED CALIFORNIA BUILDING CODE STANDARDS, AND ANY ASTM SPECIFICATIONS ON WHICH THESE STANDARDS ARE BASED. WHERE CONFLICT BETWEEN BUILDING CODES AND SPECIFICATIONS OCCURS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL ASTM DESIGNATIONS REFERRED TO ON THESE DRAWINGS SHALL BE THE LATEST ADOPTED OR REVISED SPECIFICATION, AS OF THE DATE OF THESE DRAWINGS.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
- NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- THE STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURAL REQUIREMENTS. REFER TO CIVIL, ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS THAT OCCUR PER SPECIFIC PLANS FOR NON-STRUCTURAL ITEMS, SUCH AS:
  - SIZE AND LOCATION OF ALL OPENINGS
  - SIZE AND LOCATION OF ALL NON-BEARING WALLS
  - SIZE AND LOCATION OF ALL CONCRETE CURBS, WALKS, ROOF AND FLOOR DRAINS, SLOPES, DEPRESSED SLAB AREAS, ETC.
  - FLOOR, ROOF, AND WALL FINISHES
  - DEIMESNIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- THE STRUCTURAL CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE NOTED. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- NEITHER THE OWNER NOR THE ARCHITECT/STRUCTURAL ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL AT HIS OWN EXPENSE, DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES. INCLUDING SHORING AND BRACING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARD, LAWS AND REGULATIONS. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE SAFETY ITEMS.
- SATISFACTORY EXECUTION OF CONSTRUCTION IS DEPENDANT UPON CONFORMANCE WITH THE INTENT OF THESE DRAWINGS. OWNER OR CONTRACTOR SHALL RETAIN A CALIFORNIA LICENSED STRUCTURAL ENGINEER DURING CONSTRUCTION TO OBSERVE THE CONSTRUCTION AND FILE A REPORT (DSA 6AE) STATING "THE CONSTRUCTION HAS, IN EVERY MATERIAL RESPECT, BEEN PERFORMED IN COMPLIANCE WITH THE DSA APPROVED DOCUMENTS.
- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACES ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD FOR EACH PARTICULAR LEVEL. WHEN WEIGHT OF MATERIALS OR EQUIPMENT MAY EXCEED DESIGN LOAD, STRUCTURED SYSTEMS SHALL BE SHORED.
- WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK. THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK

**DESIGN BASIS:**

- CODE: 2022 CBC (CALIFORNIA BUILDING CODE CCR, TITLE 24, PART 2)
- GRAVITY LOADS:
  - ROOF LIVE LOAD = 5 PSF. (REDUCIBLE)
  - ROOF DEAD LOAD = 1.5 PSF. (MAX)
  - SNOW LOAD PG = 0.0 PSF.
- LATERAL LOADS:
  - SITE CLASS D - DEFAULT PER CBC CHAPTER 18A
  - RISK CATEGORY = II
  - REDUNDANCY (Rho) = 1.30
  - Ss = 0.528
  - S1 = 0.212
  - Fa = 1.377
  - Ss = 0.485
  - SEISMIC DESIGN CATEGORY = D (ASCE 7-16 TABLE 11.6.1 AND TABLE 11.6.2)
  - le = 1.00
  - R = 1.25
  - Cs = Sds/(R/le)\*Rho (LRFD) = 0.504 ULTIMATE
  - ANALYSIS METHOD = EQUIVALENT LATERAL FORCE ANALYSIS
- WIND DESIGN
  - ANALYSIS METHOD = DIRECTIONAL PROCEDURE (OPEN STRUCTURE)
  - V = 95 MPH, BASIC WIND SPEED, ASCE 7-16
  - EXPOSURE "C"
  - Kzt = 1.0
  - RISK CATEGORY = II
- STRUCTURE IS DESIGNED FOR CLEAR WIND FLOW
- FLOOD HAZARD: DESIGN DOES NOT ACCOUNT FOR FLOOD HAZARD
- THIS DESIGN IS NOT DESIGNED TO INCLUDE WEIGHT OF SPRINKLERS.

**SEAL**



**ENGINEER & MANUFACTURER**

CUSTOM CANOPIES INC.  
11815 BURKE ST,  
SANTE FE SPRINGS, CA 90670

**PROJECT / LOCATION**

CLOVIS NORTH HIGHSCHOOL  
2770 E. INTERNATIONAL AVE  
FRESNO, CA 93730

**DRAWING NO.**

E3888

**MODEL**

CHCI - 100X16X11

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SCALE:	1:400	SHEET	2 OF 9



**STRUCTURAL OBSERVATION:**

- PER C.B.C. CHAPTER 17A, 1704A.6 THE OWNER SHALL EMPLOY A LICENSED ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, OR HIS DESIGNATED ENGINEER OR ARCHITECT TO MAKE SITE VISITS TO OBSERVE. GENERAL COMPLIANCE WITH THE APPROVED STRUCTURAL PLANS, SPECIFICATIONS AND CONSTRUCTION CHANGE DOCUMENT (CCD). THE ENGINEER OR ARCHITECT SHALL SUBMIT A STATEMENT IN WRITING TO THE DSA PROJECT INSPECTOR STATING THAT THE SITE VISIT HAS BEEN MADE AND THAT ANY DEFICIENCIES NOTED HAVE BEEN CORRECTED.
- IN ACCORDANCE WITH SECT. 4-333 (a) OF TITLE 24, PART 1, STRUCTURAL OBSERVATION SHALL INCLUDE AND OCCUR AT THE FOLLOWING STAGES:
  - OBSERVATION AT THE SITE PRIOR TO PLACING CONCRETE.
  - OBSERVATION OF THE SHADE STRUCTURE DURING FABRICATION AFTER MAJORITY OF STRUCTURAL ITEMS ARE IN PLACE.
  - OBSERVATION OF THE COMPLETED STRUCTURE PRIOR TO BEING COVERED FINISHES.
- AT COMPETITION OF IN-PLANT MANUFACTURING THE INDIVIDUAL ACCEPTING RESPONSIBILITY FOR OBSERVATION OF IN-PLANT MANUFACTURING SHALL SIGN THE VERIFIED REPORT, DSA 152-IP1 (IN-PLANT INSPECTOR VERIFIED REPORT).
- OBSERVATION OF THE ON SITE CONSTRUCTION INCLUDES THE SCOPE OF WORK INDICATED ON THE DSA APPROVED BUILDING PLANS AND SPECS.
- INTERIM AND FINAL VERIFIED REPORTS ARE REQUIRED DURING, AND AT THE COMPLETION OF, ON SITE CONSTRUCTION AND INSTALLATION USING FORM DSA 6-AE (ARCHITECT/ENGINEER VERIFIED REPORT).
- STRUCTURAL TESTING & SPECIAL INSPECTIONS: REFER TO DSA-103 FORM FOR ALL STRUCTURAL TESTING & SPECIAL INSPECTION REQUIREMENTS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, AND DSA-103 FORM, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

**STEEL CABLES:**

- ALL CABLE STEEL TO BE ASTM A1023, 7X19 CLASS IWRC
- CABLES SHALL BE GALVANIZED (CLASS A ZINC COATING) OR STAINLESS STEEL, CLASS BRIGHT WIRE ROPE.
- MAXIMUM CABLE STRENGTH:
  - 1/4" DIA. 7X19 GALV. WIRE ROPE = 7,000 LBS SERVICE LOAD PER MFG. AND 2,386 LBS SERVICE PER CODE REDUCTIONS
- MAX. PRETENSION LOAD:
  - 1/4" DIA. = 75 LBS TO 100 LBS PRETENSION
- FOR CABLE (ROPE CLIPS) SEE SHEET 4 OF 9

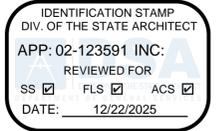
**WELDING:**

- QUALIFIED AND CERTIFIED WELDERS SHALL BE USED FOR ALL WELDING.
- ALL WELDING SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE AWS D1.1 AND CFC
- ALL WELDING SHALL BE DONE BY THE SHIELDED ARC PROCESS USING APPROVED ELECTRODES PER AWS SPECIFICATIONS E70XX (LOW HYDROGEN ELECTRODES).
- ALL WELDS SHALL HAVE A WELD CONTROLLED SEQUENCE AND TECHNIQUE IN ORDER TO MINIMIZE SHRINKAGE, STRESSES, AND DISTORTION.
- ALL ELECTRODES FILLER MATERIAL SHALL BE A MIN. OF E70XX
- SPECIAL INSPECTION IS REQUIRED FOR ALL WELDING.
- ALL SHOP AND FIELD WELDING OF MOMENT CONNECTIONS OR MOMENT RESISTING FRAMES, AND ALL COLUMN SPLICE WELDS, SHALL BE TESTED AS PER CBC:
  - ALL WELDS WITHIN MEMBERS DESIGNATED AS PER OF THE LATERAL FORCES RESITING SYSTEM (LFRS) SHALL CONFORM TO THE DETAILING, MATERIALS, WORKMANSHIP, TESTING AND INSPECTION REQUIRMENTS PERS AWS D1.8 AND AISC 341-16, AND SHALL USE A FILLER METAL WITH A CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT-LB AT 0 F.
  - WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL, THEY SHALL BE WITH FILLER METAL CAPABLE OF PROVIDING A MIN. CVN TOUGHNESS OF 20 FT-IB AT 20 F AND 40 FT-IB AT 70 F. SEE AWS D1.8 SECTION 6.3.8.
  - WELDERS PERFORMING WELDING WITHIN THE LFRS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.8 CHAPTER 5

**STEEL:**

- MATERIALS:
  - MISCELLANEOUS PLATES SHALL CONFORM TO - ASTM A-36
  - HIGH STRENGTH STEEL CONNECTION BOLTS SHALL CONFORM TO - ASTM F3125
  - HSS STEEL TUBING (SQ. RECT. & ROUND) SHALL CONFORM TO - ASTM A-500, GRADE B (HSS ROUND, FY = 42 KSI) HSS SQ. & RECT., FY = 46 KSI)
  - WELDING ELECTRODES SHALL CONFORM TO - AWS STRUCTURAL STEEL E70XX
  - GALVANIZING SHALL CONFORM TO - ASTM A-123
  - RUST-INHIBITING PRIMER SHALL BE SHERWIN WILLIAMS CC-M10 OR EQUAL.
- STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123, UNDERCOAT AND FINISH COAT OR EQUIVALENT PAINT SYSTEM.
- BURNING OF HOLES IS NOT ALLOWED.
- INSPECTION OF WELDING SHALL CONFORM TO CBC REQUIREMENTS (CHAPTER 17A)
- THE STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- ALL BOLTED CONNECTIONS USING F3125 BOLTS SHALL USE STANDARD HOLES PER AISC, UNLESS OTHERWISE NOTED.
- STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.
- OPENINGS SHALL NOT BE PLACES IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED.

**SEAL**



**ENGINEER & MANUFACTURER**

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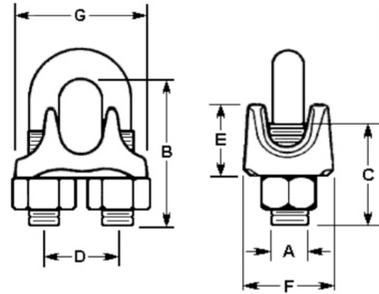


B

A



# MALLEABLE WIRE ROPE CLIPS



ZINC PLATED, MALLEABLE

Size in Inches	Min. Clips Required	Wire Rope Turn Back in Inches	Torque in Foot Pounds*	Approx. Wt. in Pounds	Dimensions in Inches						
					A	B	C	D	E	F	G
1/4	3	7	15.0	0.130	0.31	1.19	0.75	0.75	0.69	0.75	1.31

Meets the performance requirements of Federal Specification FF-C-450, current revision, Type 1, Class 2.\*\*

\* Based on clean, unlubricated threads. The table above shows the minimum torque required to reach maximum holding power of wire rope clips.

\*\* NOTE: 1/16" and 1/8" are not covered by Federal Specification FF-C-450, current revision.

**Improper use and installation of cast malleable wire rope clips can result in serious injury or death. NEVER use cast malleable wire rope clips for lifting or suspending ANY load. Cast malleable wire rope clips are to be used only for non-critical, light duty applications with small applied loads. For complete installation instructions refer to page 48.**



7 x 19

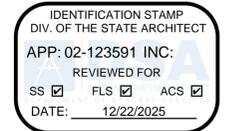
## 7 x 19 GALVANIZED CABLE

Size in Inches	Approx. Wt. per 1000 Ft. in Pounds	Breaking Strength in Pounds*
1/4	110.0	7,000

Small diameter 7 x 7 and 7 x 19 construction cable is sometimes referred to as "aircraft cable". *It is not intended for aircraft use* but designed for industrial and marine applications according to Federal Specification RR-W-410, current revision and A.S.T.M. A 1023/A 1023M, as applicable.

\* Listed for comparison only. Actual operating loads should never exceed the recommended design factor or 20% of catalog Breaking Strength.

SEAL



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PROJECT / LOCATION

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2770 E. INTERNATIONAL AVE  
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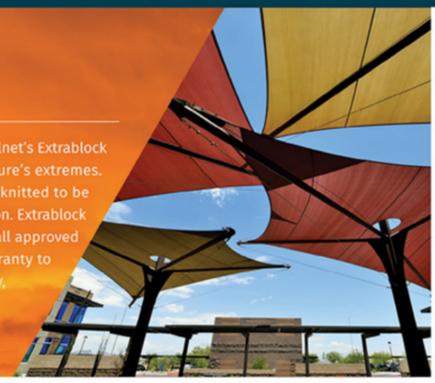
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# EXTRABLOCK

Designed for strength and durability, Alnet's Extrablock shade cloth protects against all of nature's extremes. It meets the highest standards and is knitted to be dimensionally stable for easy fabrication. Extrablock also comes in 18 California Fire Marshall approved colors and is backed by a 10-year warranty to demonstrate our dedication to quality, durability and safety.



### CERTIFICATIONS



### 10 Year Warranty

ALNET is the leading innovator in synthetic textile and netting material production for the world's **architectural, agricultural, aquacultural** and **industrial industries**.

For more information, please contact [protect@AlnetAmericas.com](mailto:protect@AlnetAmericas.com) or visit us at [www.AlnetAmericas.com](http://www.AlnetAmericas.com)

Properties	Mass	Thickness	Fabric Width	Strip Tensile	Elongation at Break	Tearing Strength - Tongue Tear	Burst Strength	Burst Strength	Air Permeability	Temp. Stability			
Test Method	ASTM D 3776	ASTM D 3777	ASTM D 3774	ASTM D 3834	ASTM D 4395-07	ASTM D 2266	ASTM D 3787-04E	ASTM D 3786 Mod A	ASTM D 5084				
US	9.6 oz/yd	50.4 mil	118 in.	278 lbf	340 lbf	71%	74%	33 lbs	36 lbs	363 lb	460 psi	263.5	-13°F +176°F
Metric	325 gsm	1.28mm	3 m	1236 N	1512 N	71%	74%	147 N	160 N	1615 N	3172 kPa		25°C +80°C

Colors	UPF	UVR	Shade Factor	Fire Retardancy	Flame Resistance
Cream	13	92%	74%	Yes	ASTM E-84
Beige	33	97%	87%	Yes	ASTM E-84
Yellow	16	94%	76%	Yes	ASTM E-84
Red	29	97%	86%	Yes	ASTM E-84
True Blue	14	93%	89%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Forest Green	24	96%	94%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Silver	19	95%	93%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Sunblaze	14	94%	91%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Latte	18	95%	90%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Bottle Green	16	94%	91%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Charcoal	20	96%	94%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Midnight	33	98%	98%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Mint Green	18	95%	93%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Dove Blue	13	93%	90%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Oxide Red	14	93%	91%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Pearl Onyx	16	94%	86%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Purple	16	94%	86%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Olive	26	97%	96%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Brown	19	95%	93%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Navy Blue	23	96%	96%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Lime	18	95%	79%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84
Hazelnut	18	95%	91%	Yes	CSFM/CA 1237.1 Title 19 - NFPA-701 #2 - CAN/ULC-S109 - ASTM E-84



## FLAME RETARDANT

### Fabric Registration

LICENSE NUMBER: F-094501

EXTRA BLOCK SHADECLOTH

#### Product Marketed by:

**ALNET PTY (LTD)**  
 MOORSOM AVENUE, EPPING, INDUSTRY II  
 CAPE TOWN, S. AFRICA,

Issue Date : 04/03/2025  
 Expiration Date : 06/30/2026

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

*C Walker*

Issued By Cortney Walker  
 Fire Engineering License Manager  
 Fire Engineering & Investigations Division

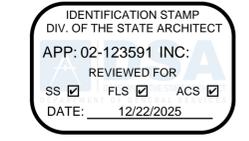
*Patricia Setter*

Reviewed and Approved By Patricia Setter  
 Program Coordinator  
 Fire Engineering & Investigations Division

### OFFICE OF THE STATE FIRE MARSHAL

Please visit [uatcalfire.govmotus.org](http://uatcalfire.govmotus.org) for more information on Licensing and Permitting with CAL FIRE

### SEAL



### ENGINEER & MANUFACTURER

CUSTOM CANOPIES INC.  
 11815 BURKE ST,  
 SANTE FE SPRINGS, CA 90670

### PROJECT / LOCATION

CLOVIS NORTH HIGHSCHOOL  
 2770 E. INTERNATIONAL AVE  
 FRESNO, CA 93730

### DRAWING NO.

E3888

### MODEL

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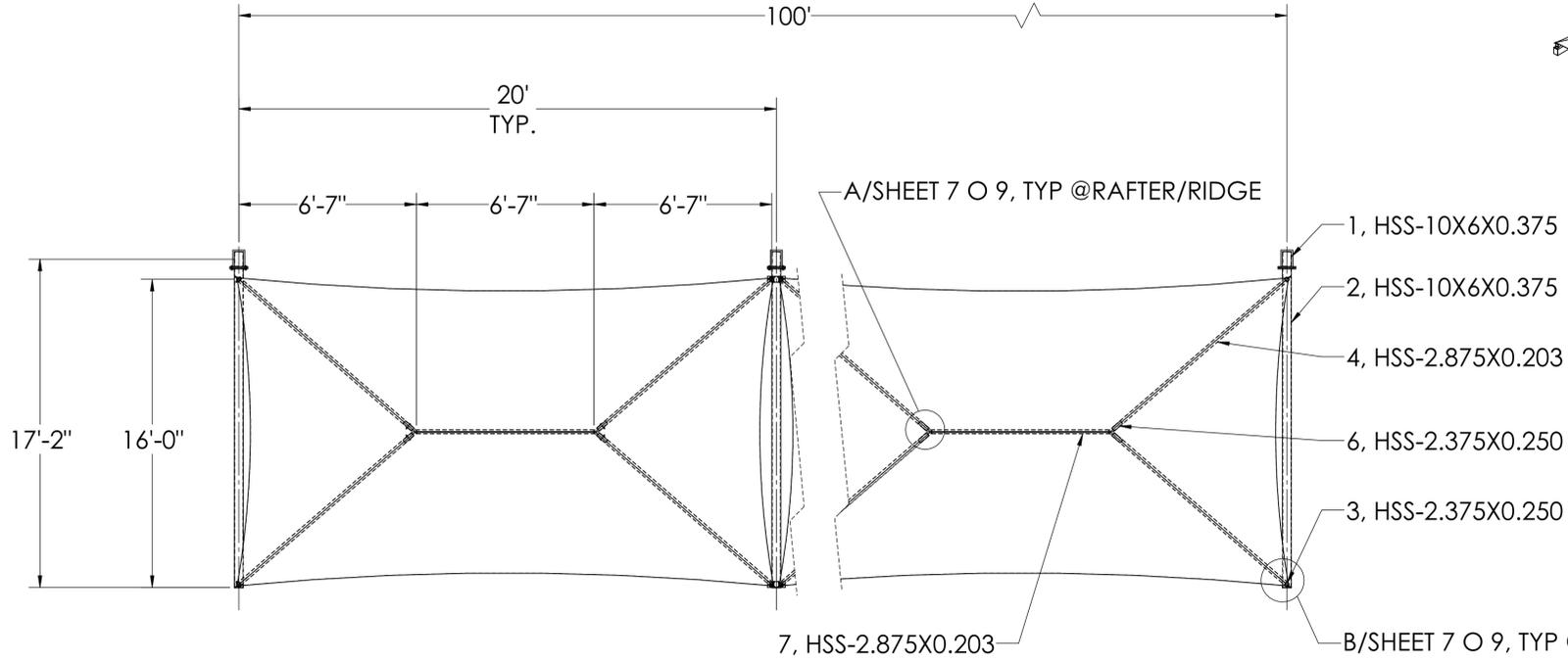
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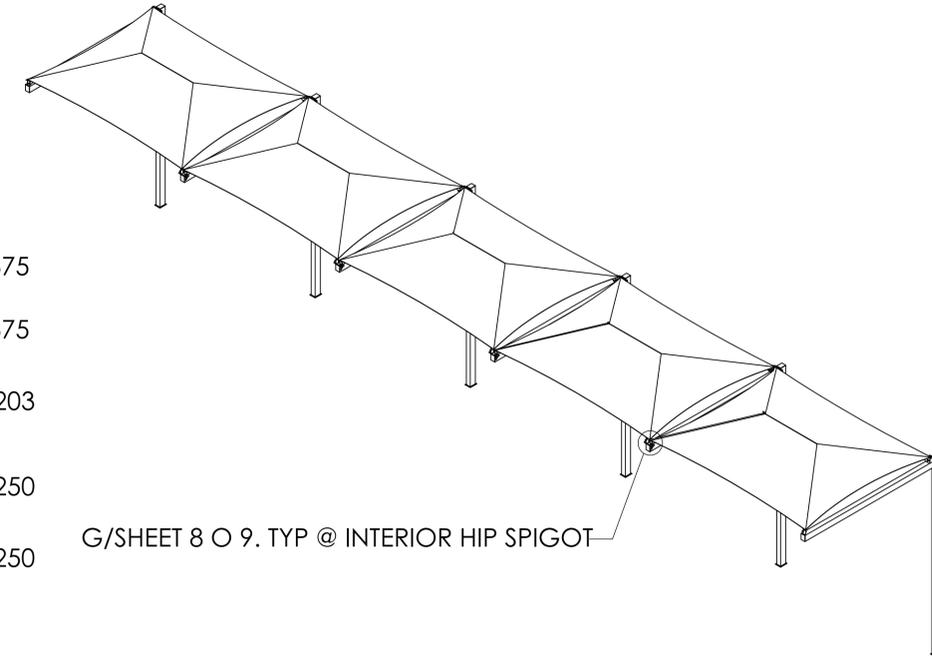
SEE SHEET 1 OF 9 FOR LIST OF MATERIALS

2

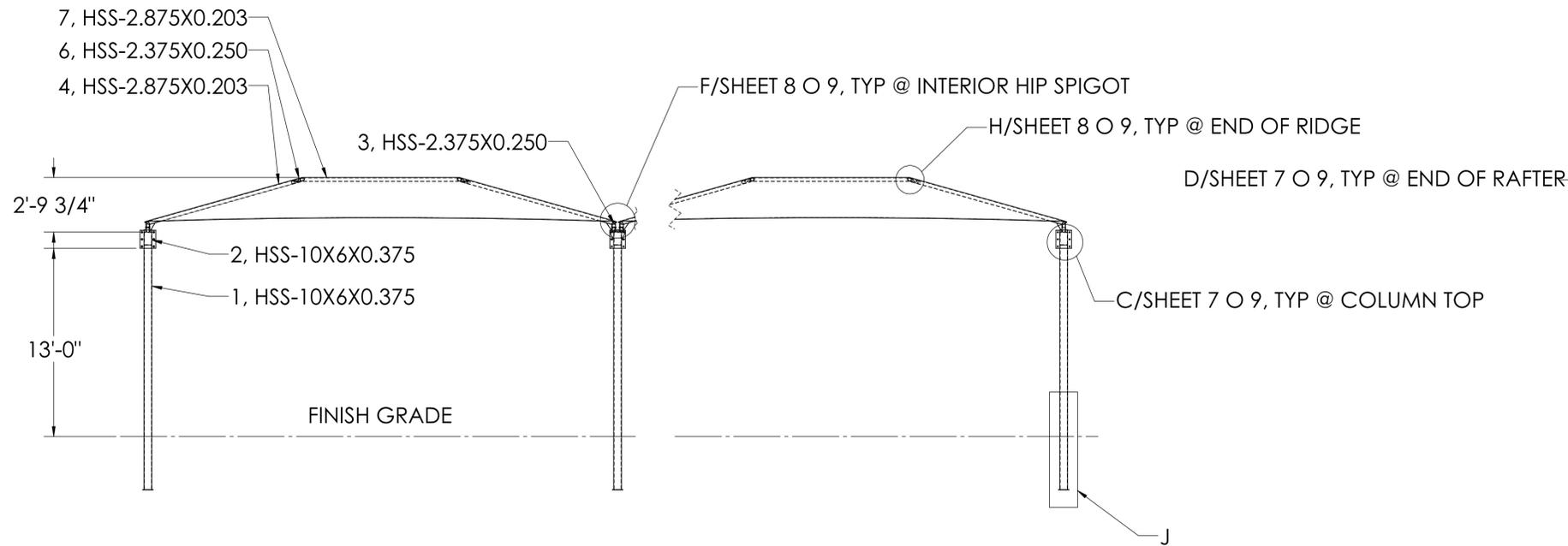
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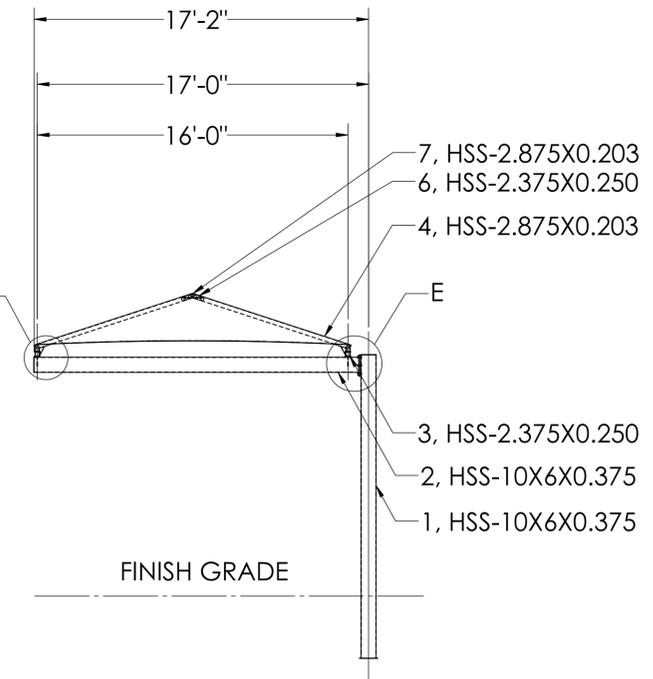
TOP - PLAN VIEW  
GENERAL CONTRACTOR TO COORDINATE COLUMN LOCATIONS WITH ARCHITECTURAL PLANS  
7, HSS-2.875X0.203



G/SHEET 8 O 9, TYP @ INTERIOR HIP SPIGOT

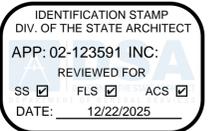


FRONT - ELEVATION VIEW



SIDE - ELEVATION VIEW

SEAL



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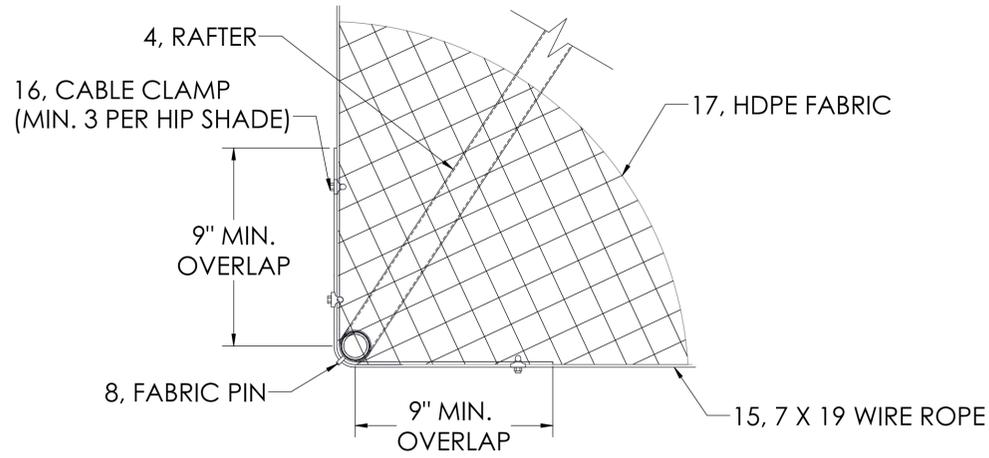
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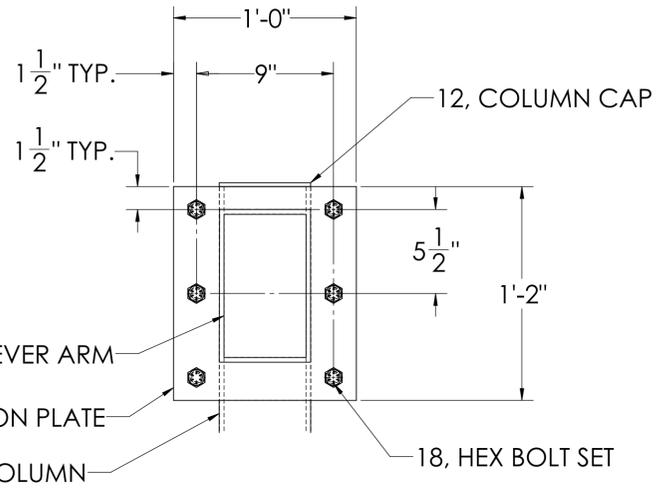
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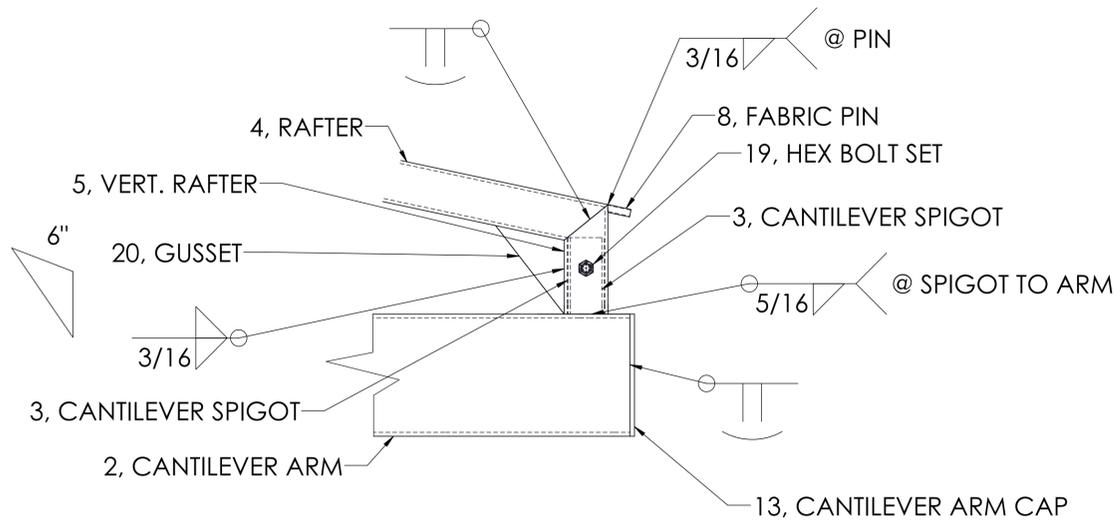
SEE SHEET 1 OF 9 FOR LIST OF MATERIALS



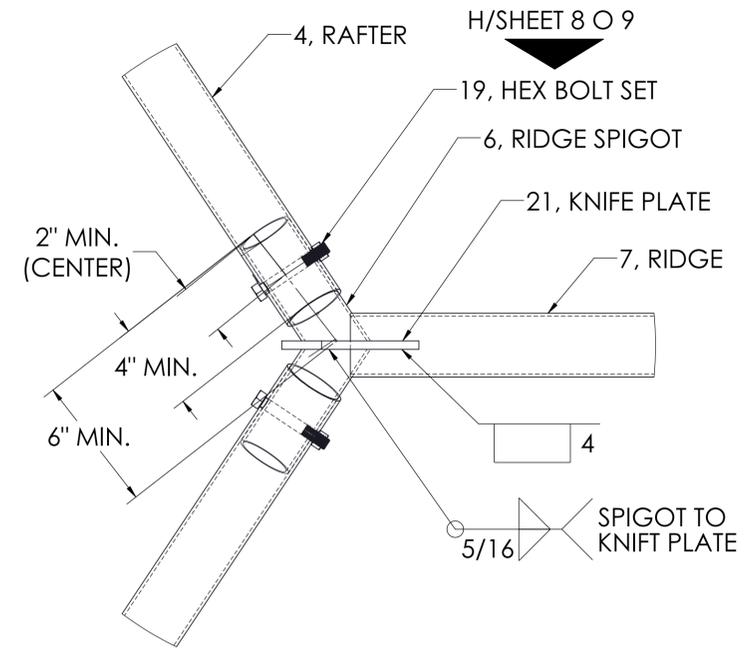
DETAIL B - TOP VIEW  
FABRIC CONNECTION DETAIL  
N.T.S.  
12 PLACES



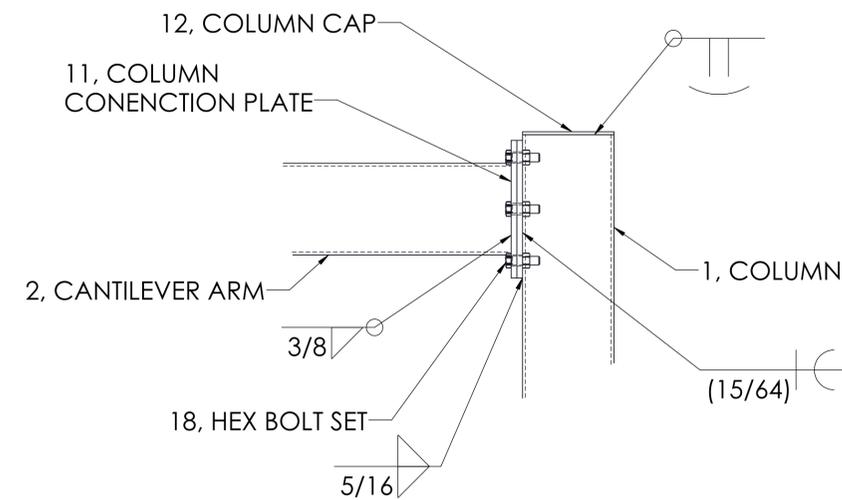
DETAIL C - FRONT - ELEVATION VIEW  
COLUMN TO CANTILEVER ARM CONNECTION  
SCALE 1 : 6  
4 PLACES



DETAIL D (VIEW NORMAL TO RAFTER)  
RAFTER TO CANTILEVER ARM CONNECTION  
N.T.S.  
4 PLACES (U.O.N.)

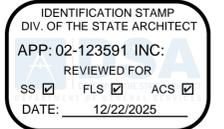


DETAIL A - TOP VIEW  
RAFTER TO RIDGE CONNECTION DETAIL  
N.T.S.  
6 PLACES



DETAIL E - SIDE - ELEVATION VIEW  
OUTER COLUMN TO CANTILEVER ARM CONNECTION  
SCALE 1 : 8  
4 PLACES  
(ROOF FRAMING HIDDEN FOR CLARITY)

SEAL



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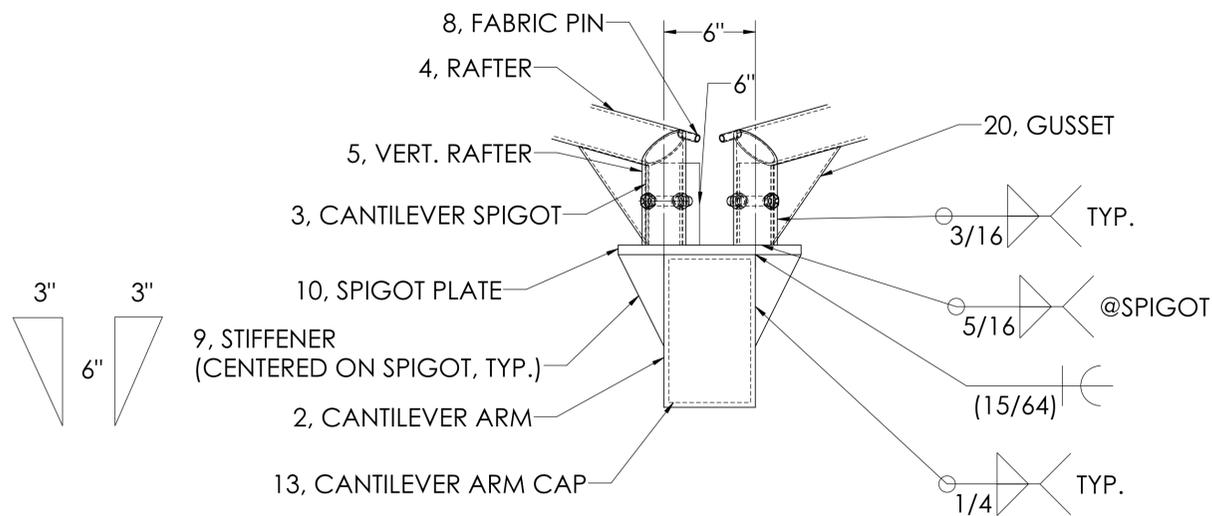
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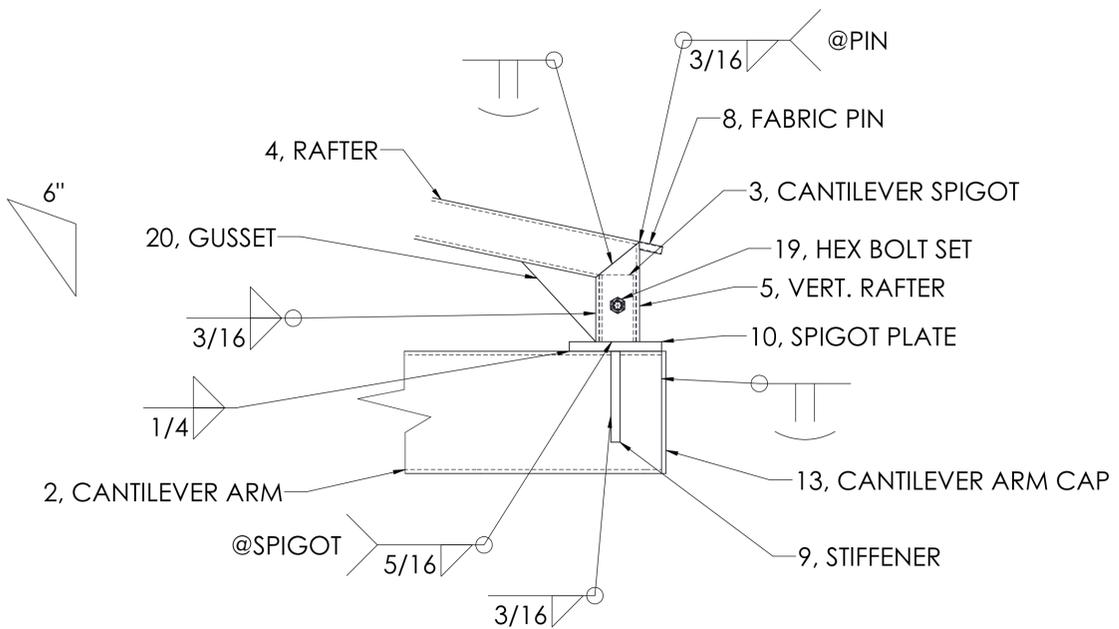
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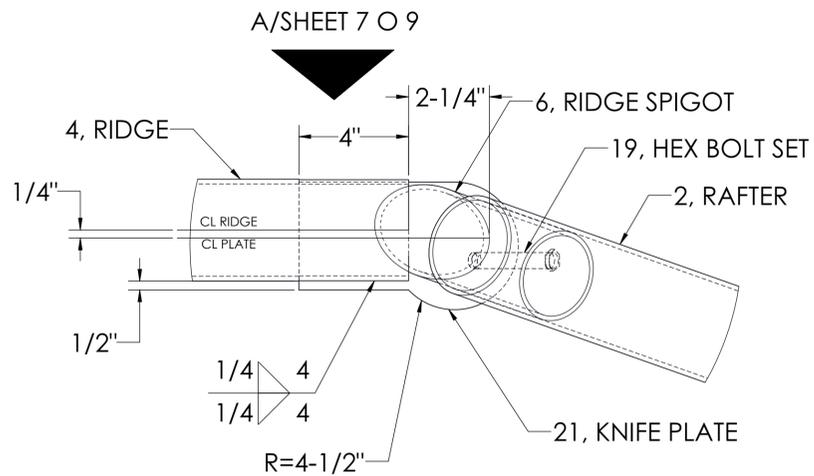
SEE SHEET 1 OF 9 FOR LIST OF MATERIALS



DETAIL F - FRONT - ELEVATION VIEW  
INNER RAFTER TO INNER CANTILEVER ARMS  
SCALE 1 : 6  
4 PLACES



DETAIL G - SIDE - ELEVATION  
INNER RAFTER TO CANTILEVER ARM  
SCALE 1 : 6  
4 PLACES



DETAIL H - FRONT VIEW  
RAFTER TO RIDGE CONNECTION DETAIL  
N.T.S.  
2 PLACES



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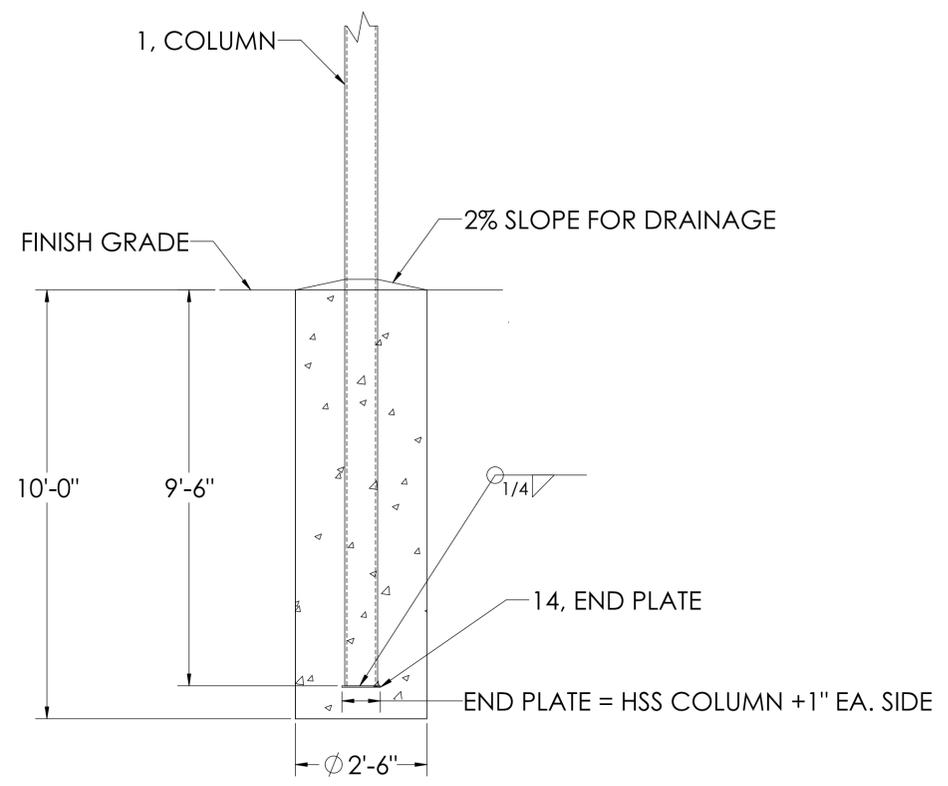
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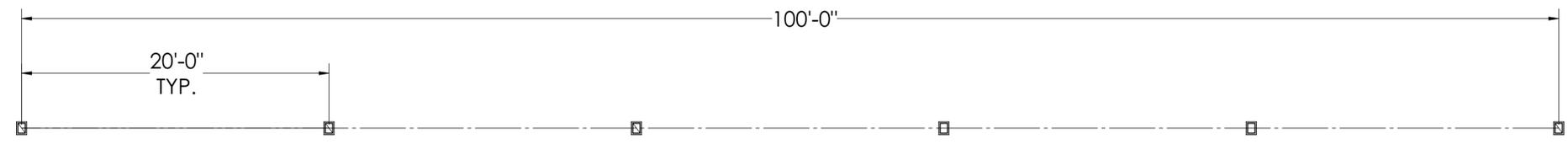
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SEE SHEET 1 OF 9 FOR LIST OF MATERIALS

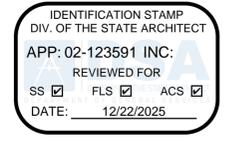


DETAIL J - FRONT - ELEVATION VIEW  
FOOTING SECTION  
4 PLACES  
N.T.S.



FOOTING LAYOUT - TOP - PLAN VIEW  
GENERAL CONTRACTOR TO COORDINATE COLUMN LOCATIONS WITH ARCHITECTURAL PLANS

SEAL



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