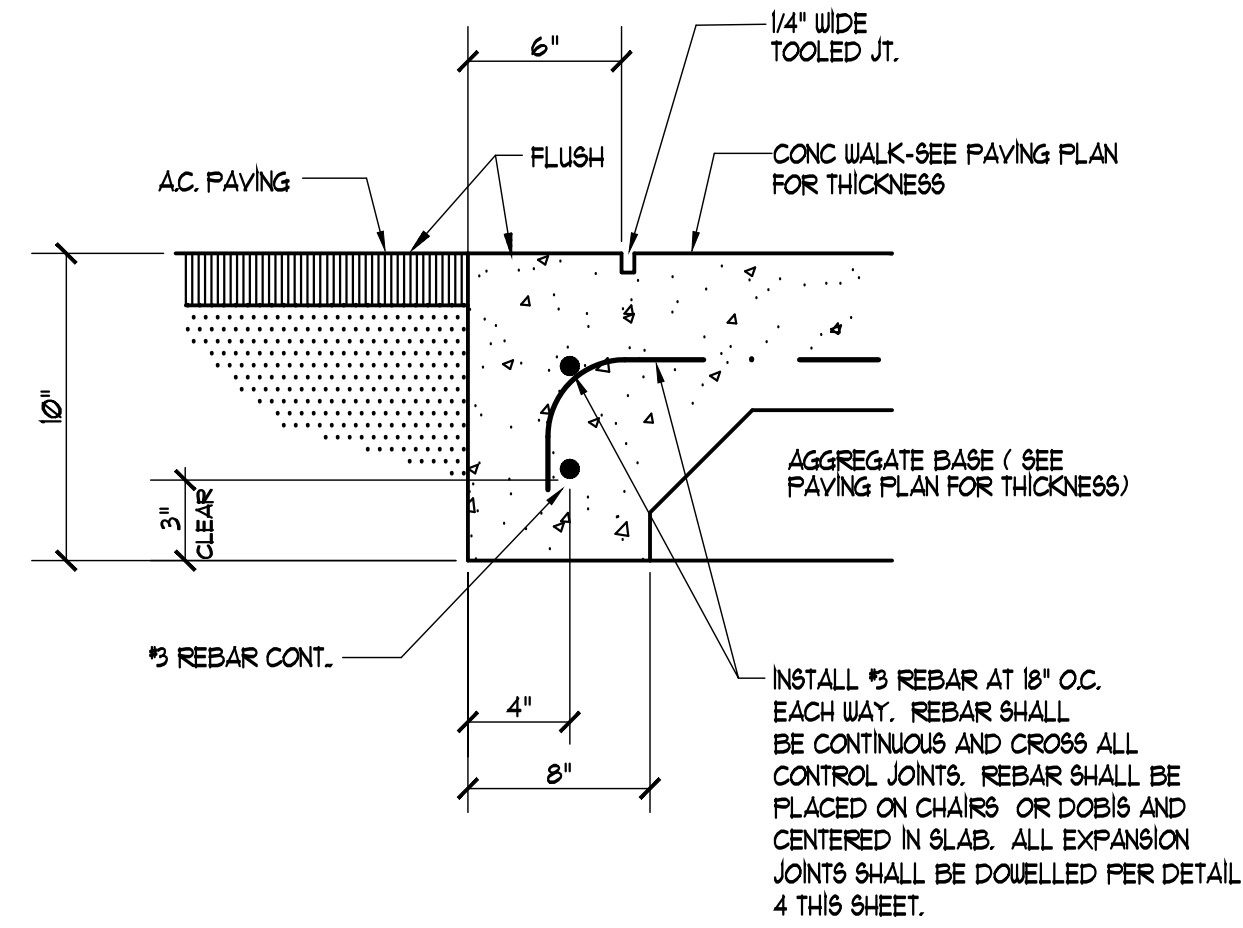
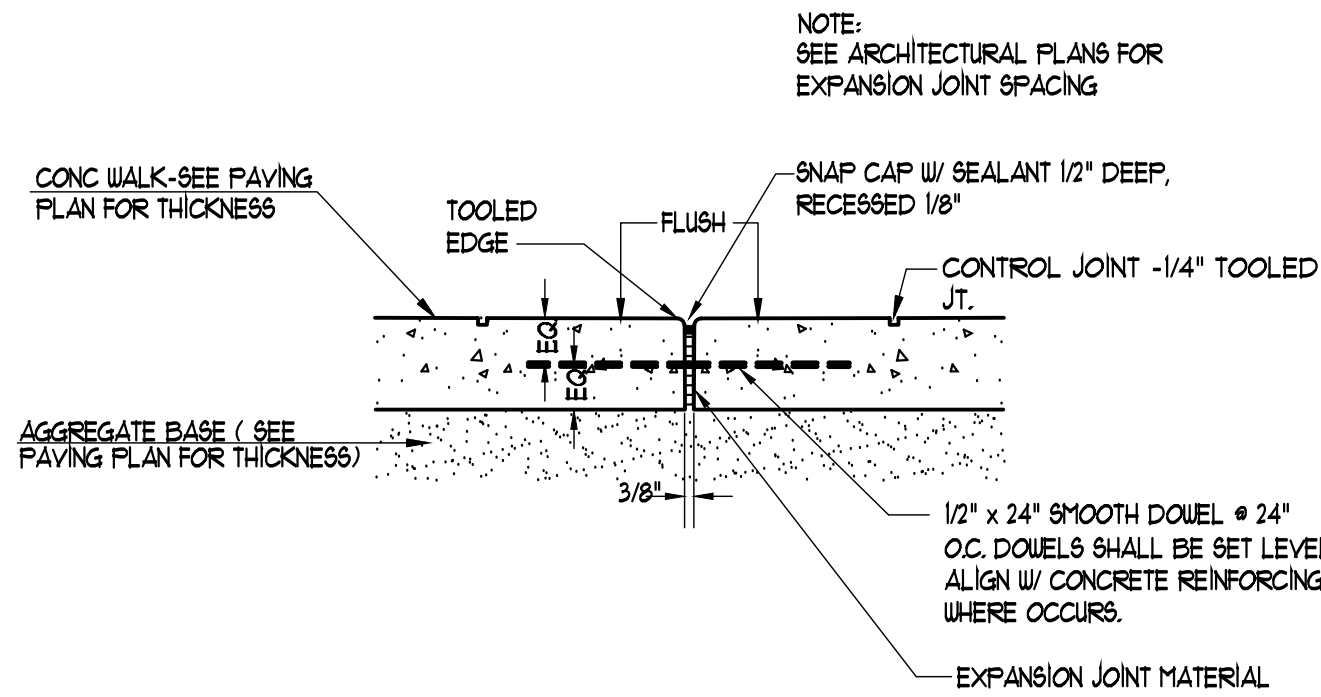


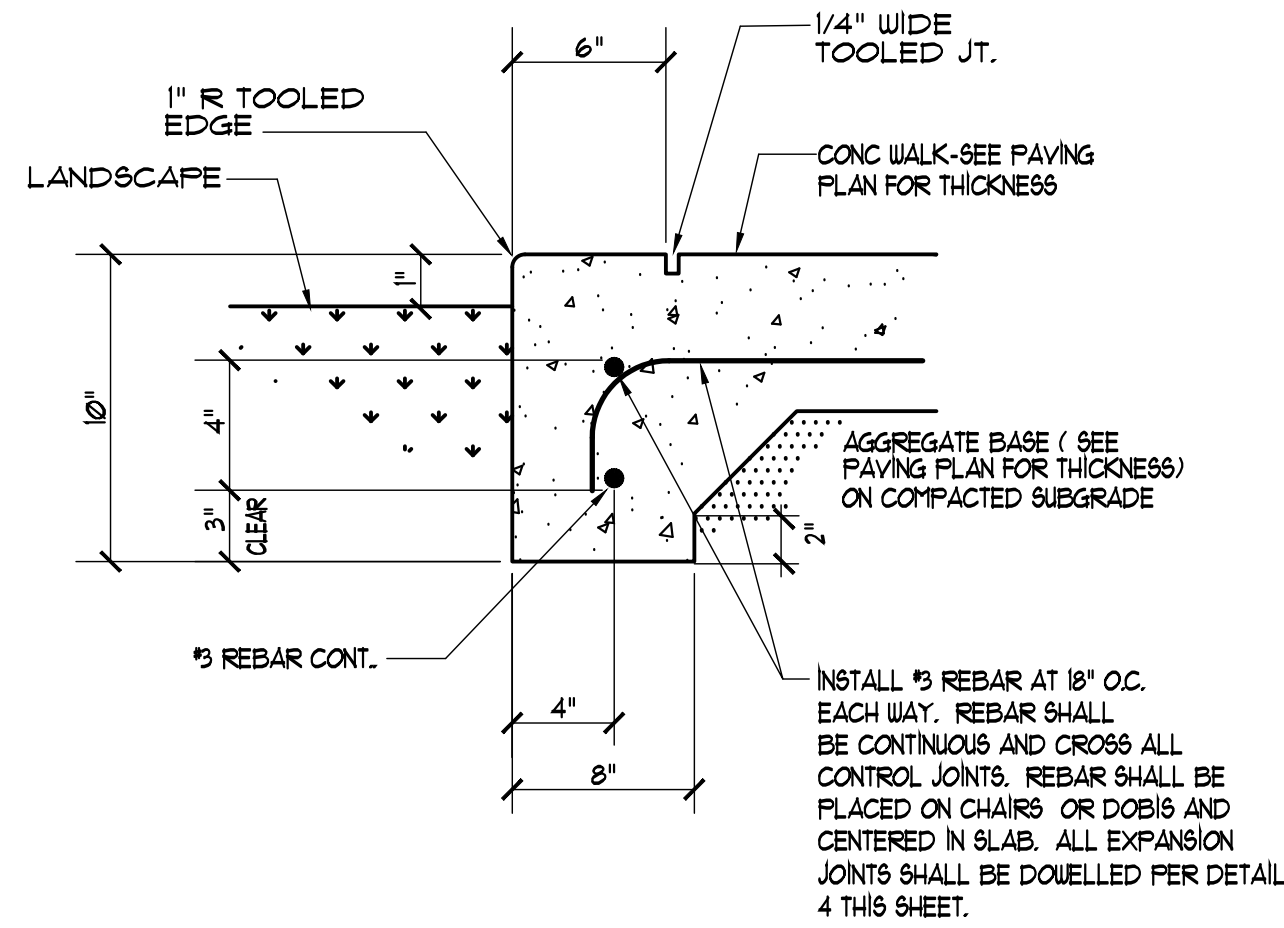


1 FLUSH CONC. WALK • AC
C1.1 N.T.S.

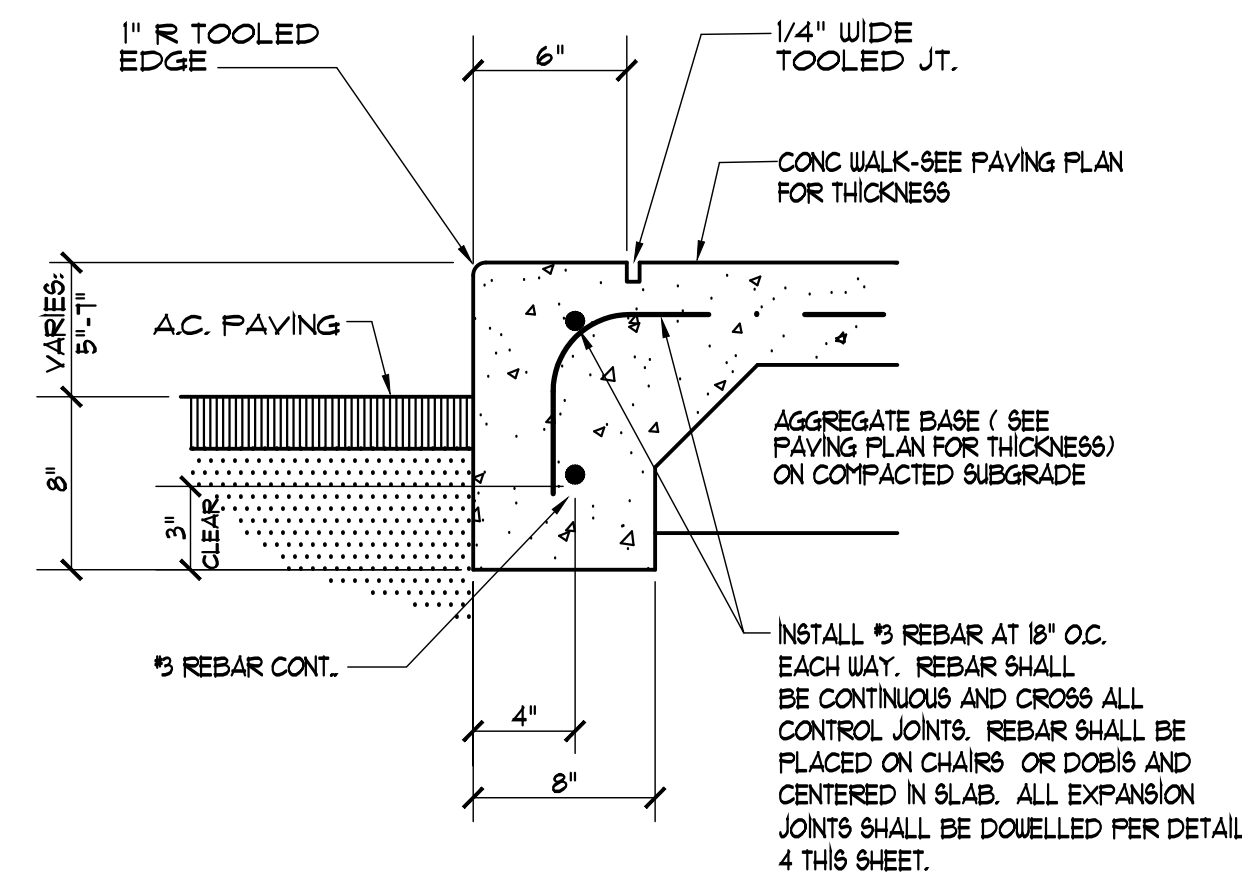


4 EXPANSION JOINT
C1.1 N.T.S.

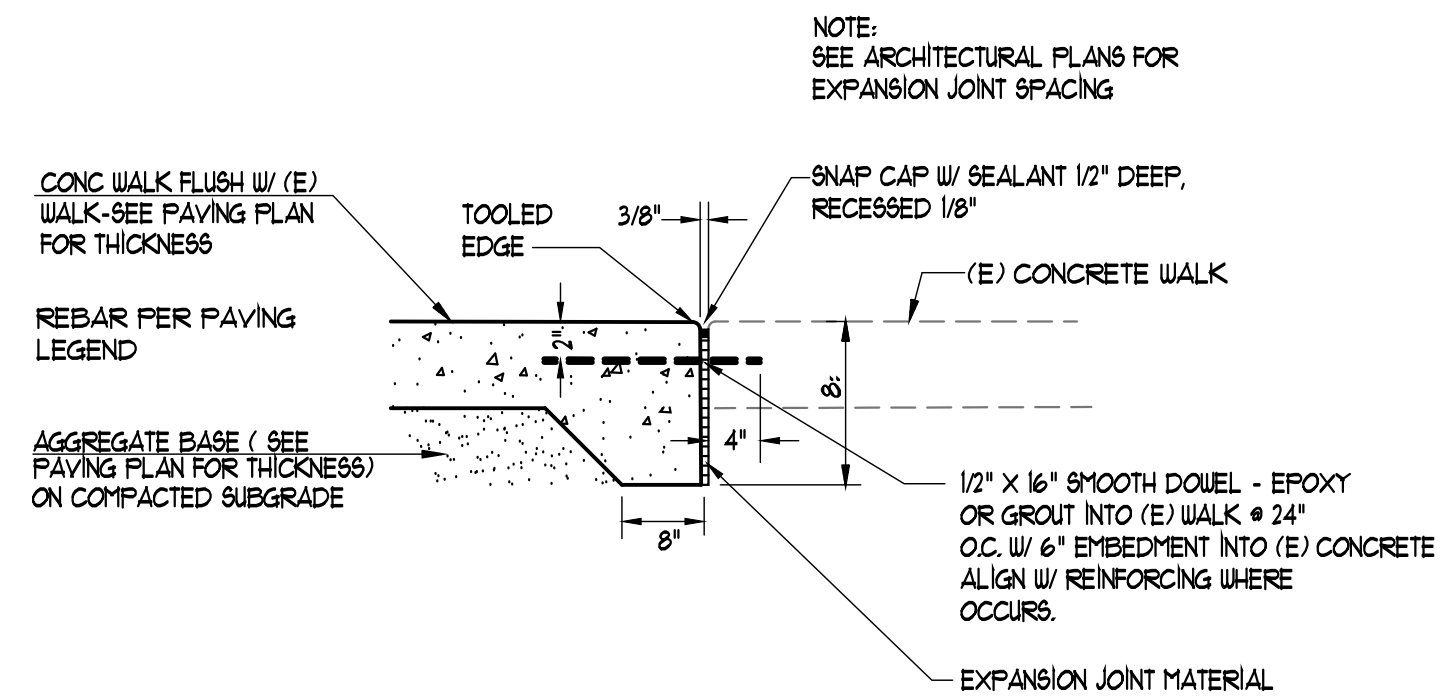
NOTE:
TRANSITION FROM NEW CONCRETE WALKWAYS TO EXISTING
LANDSCAPE GRADE TO BE AT A MAXIMUM OF 5 : 1 SLOPE
UNLESS OTHERWISE NOTED ON PLANS.



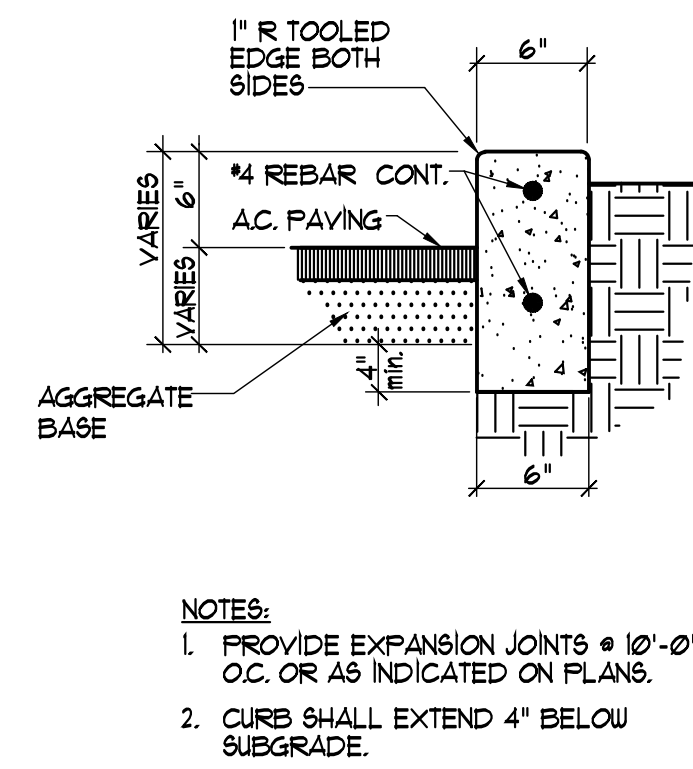
2 FLUSH CONC. WALK • LANDSCAPE
C1.1 N.T.S.



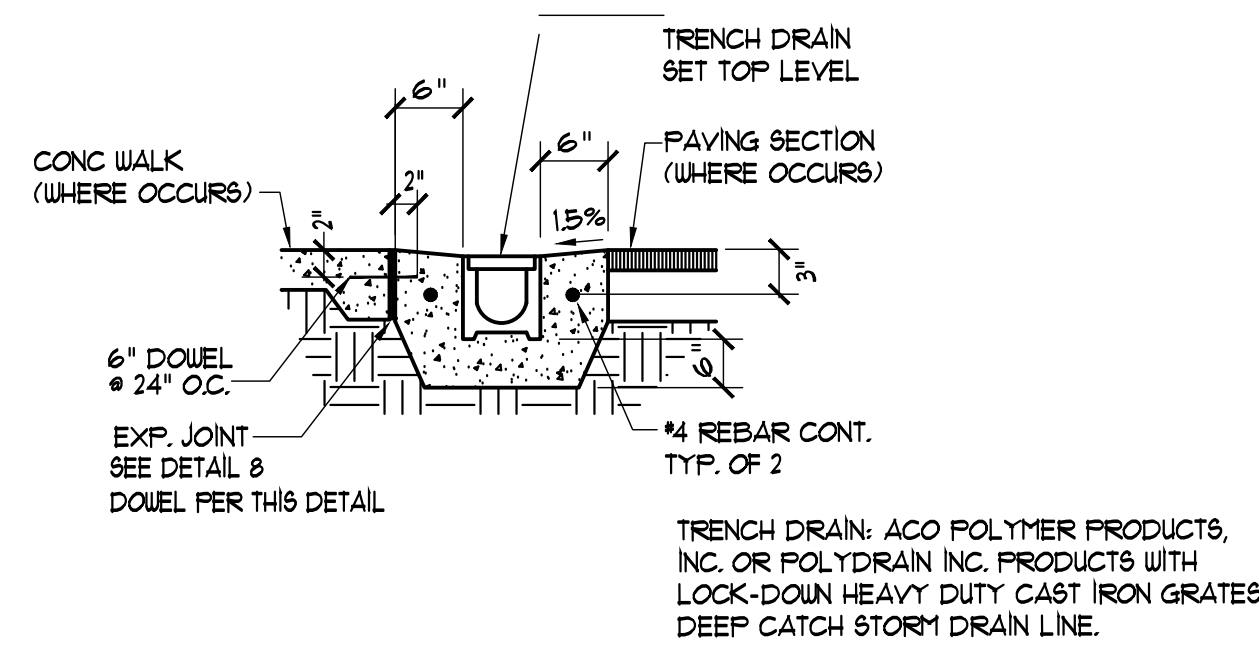
5 THICKENED EDGE CONC. WALK
C1.1 N.T.S.



3 CONC. WALK AT EXISTING CONDITIONS
C1.1 N.T.S.



6 PLANTER CURB
C1.1 N.T.S.



7 TRENCH DRAIN
C1.1 N.T.S.

LEGEND

8" SD	EXISTING ELEVATION
6" SS	EXISTING STORM DRAIN
8" W	EXISTING SANITARY SEWER
8" W	EXISTING WATER MAIN
8" W	EXISTING WATER VALVE
8" W	EXIST. FIRE HYDRANT
8" W	EXISTING COMMUNICATION LINE
8" W	EXISTING IRRIGATION CONTROL LINE
8" W	EXISTING ELECTRICAL LINE
8" W	EXISTING TELEPHONE LINE
8" W	NEW ELEVATION

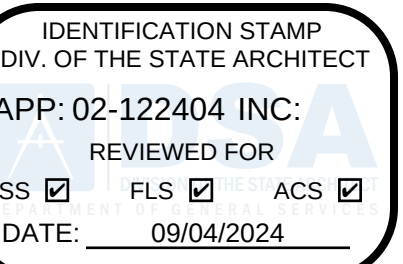
ABBREVIATIONS

AC	ASPHALT CONCRETE	LD	LANDSCAPE DRAIN
AB	AGGREGATE BASE	LF	LINEAR FEET
ADD. ALT.	ADDITIVE ALTERNATE	MH	MANHOLE
BLDG	BUILDING	MIN	MINIMUM
BO	BLOW OFF	MS	MOW STRIP
BOW	BACK OF WALK	(N)	NEW
BU	BOTTOM OF WALL	N.I.C.	NOT IN CONTRACT
CC	CONCRETE (TOP OF CONCRETE WALK)	OG	ORIGINAL GRADE
CL	CENTER LINE	P	PROPOSED
CONC.	CONCRETE	PD	PLANTER DRAIN
CONST.	CONSTRUCT	PIV	POST INDICATOR VALVE
COTG	CLEANOUT TO GRADE	POC	POINT OF CONNECTION
DI	DRAIN INLET	PP	POWER POLE
DIP	DUCTILE IRON PIPE	PUE	PUBLIC UTILITY EASEMENT
DS	DOWNSPOUT	RCP	REINFORCED CONCRETE PIPE
DUT	DRIVEWAY	RD	ROAD
(E)	EXISTING	RDWD	REDWOOD
E BOX	ELECTRICAL BOX	RET	RETAINING
E. COND.	ELECTRICAL CONDUIT	RP	REDUCED PRESSURE
ELEC	ELECTRIC	R/W	RIGHT OF WAY
EP	EDGE OF PAVEMENT	RUL	RAIN WATER LEADER
EXIST.	EXISTING	S	SLOPE
FDC	FIRE DEPARTMENT CONNECTION	SD	STORM DRAIN
FF	FINISH FLOOR	SS	SANITARY SEWER
FG	FINISH GRADE	ST. LT.	STREET LIGHT
FH	FIRE HYDRANT	TEM	TEMPORARY BENCH MARK
FL	FLOW LINE	T	TRANSFORMER
FM	FIRE MAIN	TEL	TELEPHONE
FS	FIRE SERVICE	TC	TOP OF CURB
G	GAS	TU	TOP OF WALL
GB	GRADE BREAK	TYP	TYPICAL
GR	GRATE	VCP	VITRIFIED CLAY PIPE
GV	GATE VALVE	W	WATER
HDR	HEADER	WV	WATER VALVE
HP	HIGH POINT	VB	VALVE BOX
INV	INVERT ELEVATION	YD	YARD DRAIN
JP	JOINT POLE		

INDEX OF CIVIL DRAWINGS

C1	TITLE SHEET AND DETAIL SHEET
C21	DEMOLITION PLAN
C22	DEMOLITION PLAN
C31	GRADING, DRAINAGE AND PAVING PLAN
C32	GRADING, DRAINAGE AND PAVING PLAN

AGENCY
APPROVAL:



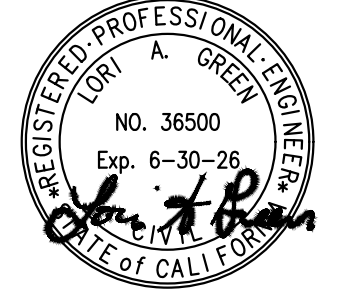
HMC Architects

R2211551

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SACRAMENTO, CA 95816
916 369 7090 / www.hmcarchitects.com

DESCRIPTION	DATE
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CONSULTANT:



FACILITY:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE, STOCKTON, CA 95212

PROJECT:

LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL

SHEET NAME:

TITLE SHEET AND DETAILS

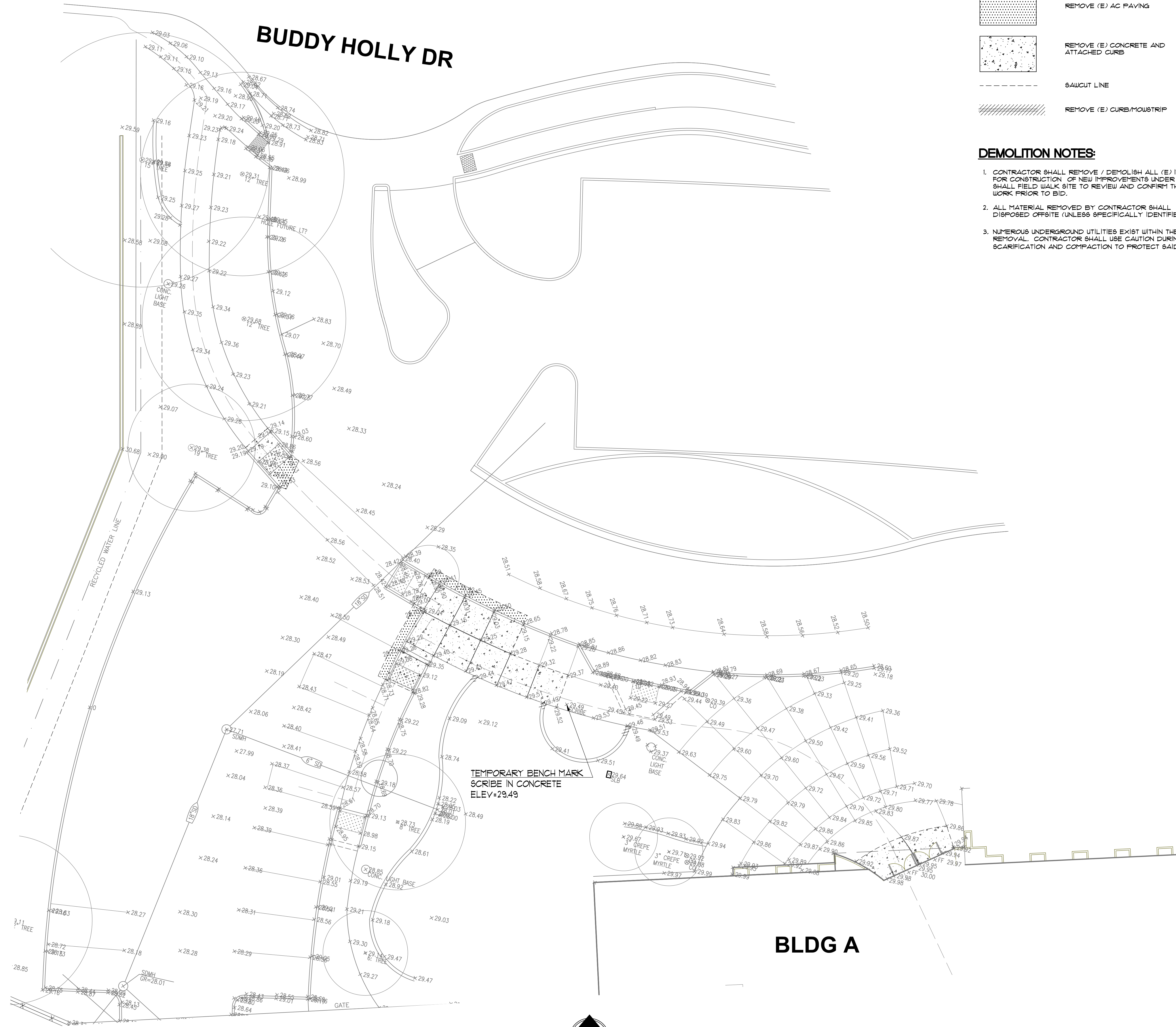
CONSTRUCTION DOCUMENTS

FILE NO.: MES-CD A NO.: R2211551

DATE: APRIL 19, 2024 CLIENT PROJ NO.:

SHEET:

C1.1



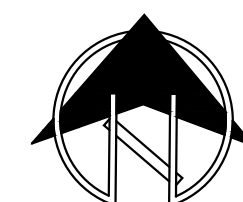
DEMOLITION LEGEND

- REMOVE (E) AC PAVING
- REMOVE (E) CONCRETE AND ATTACHED CURB
- SAWCUT LINE
- REMOVE (E) CURB/MOUSTRIP

DEMOLITION NOTES:

- CONTRACTOR SHALL REMOVE / DEMOLISH ALL (E) IMPROVEMENTS AS NECESSARY FOR CONSTRUCTION OF NEW IMPROVEMENTS UNDER THIS CONTRACT. CONTRACTOR SHALL FIELD WALK SITE TO REVIEW AND CONFIRM THE EXTENT OF ALL CLEARING WORK PRIOR TO BID.
- ALL MATERIAL REMOVED BY CONTRACTOR SHALL BE PROPERLY AND LEGALLY DISPOSED OFFSITE (UNLESS SPECIFICALLY IDENTIFIED TO BE DELIVERED TO OWNER).
- NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE AREAS OF EXISTING CONCRETE REMOVAL. CONTRACTOR SHALL USE CAUTION DURING DEMOLITION AND SUBGRADE SCARIFICATION AND COMPACTION TO PROTECT SAID UTILITIES.

1 DEMOLITION PLAN



SCALE: 1"=10'

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122404 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



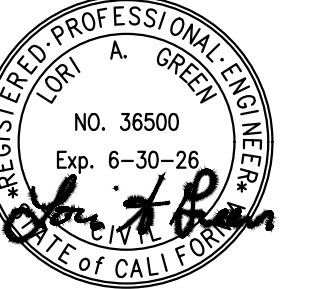
HMC Architects

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SACRAMENTO, CA, 95816
916 369 7090 / www.hmcarchitects.com

DESCRIPTION DATE

CONSULTANT:



FACILITY:
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE, STOCKTON, CA 95212

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL

SHEET NAME:
DEMOLITION PLAN

CONSTRUCTION DOCUMENTS

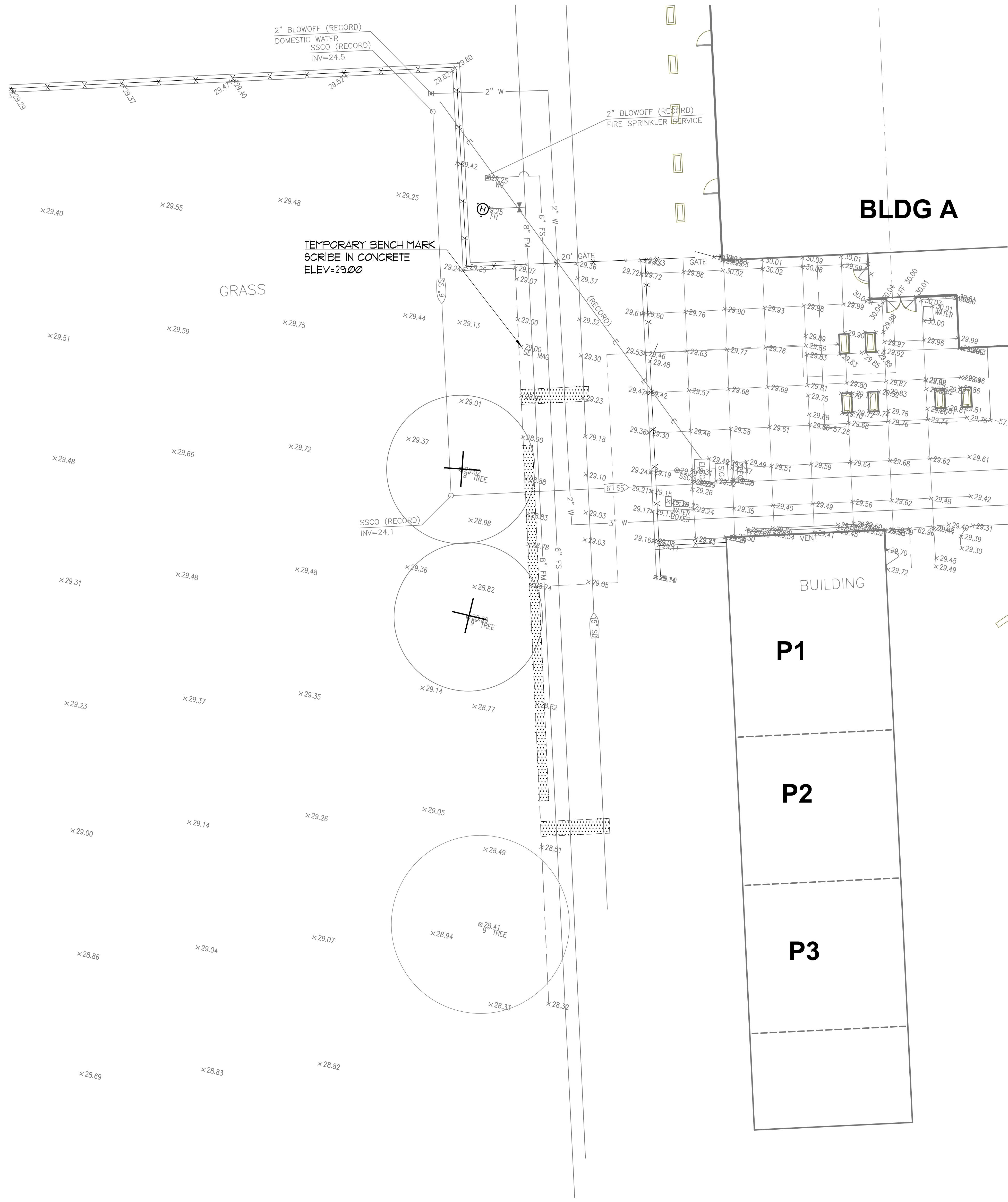
FILE NO.: MES-CD A NO.: R2211551

DATE: APRIL 19, 2024 CLIENT PROJ NO.:

SHEET:

C2.1

FILE LINE SHOWN AND NOT TO SCALE
PAGE 1 OF 1
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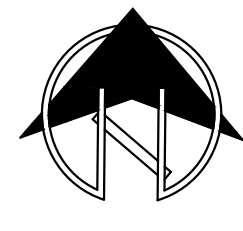
DEMOLITION LEGEND

- REMOVE (E) AC PAVING
- REMOVE (E) CONCRETE AND ATTACHED CURB
- SAWCUT LINE
- REMOVE (E) CURB/MOUSTRIP
- REMOVE (E) TREE

DEMOLITION NOTES:

- CONTRACTOR SHALL REMOVE / DEMOLISH ALL (E) IMPROVEMENTS AS NECESSARY FOR CONSTRUCTION OF NEW IMPROVEMENTS UNDER THIS CONTRACT. CONTRACTOR SHALL FIELD WALK SITE TO REVIEW AND CONFIRM THE EXTENT OF ALL CLEARING WORK PRIOR TO BID.
- ALL MATERIAL REMOVED BY CONTRACTOR SHALL BE PROPERLY AND LEGALLY DISPOSED OFFSITE (UNLESS SPECIFICALLY IDENTIFIED TO BE DELIVERED TO OWNER)
- NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE AREAS OF EXISTING CONCRETE REMOVAL. CONTRACTOR SHALL USE CAUTION DURING DEMOLITION AND SUBGRADE SCARIFICATION AND COMPACTION TO PROTECT SAID UTILITIES.

1 DEMOLITION PLAN
C2.2



SCALE: 1"=10'

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DESCRIPTION	DATE
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CONSULTANT:

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
NO. 36500
Exp. 6-30-26
Warren-Green
ENGINEERS
3114 Brennans Road
Loomis, CA 95690

FACILITY:
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE, STOCKTON, CA 95212

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL

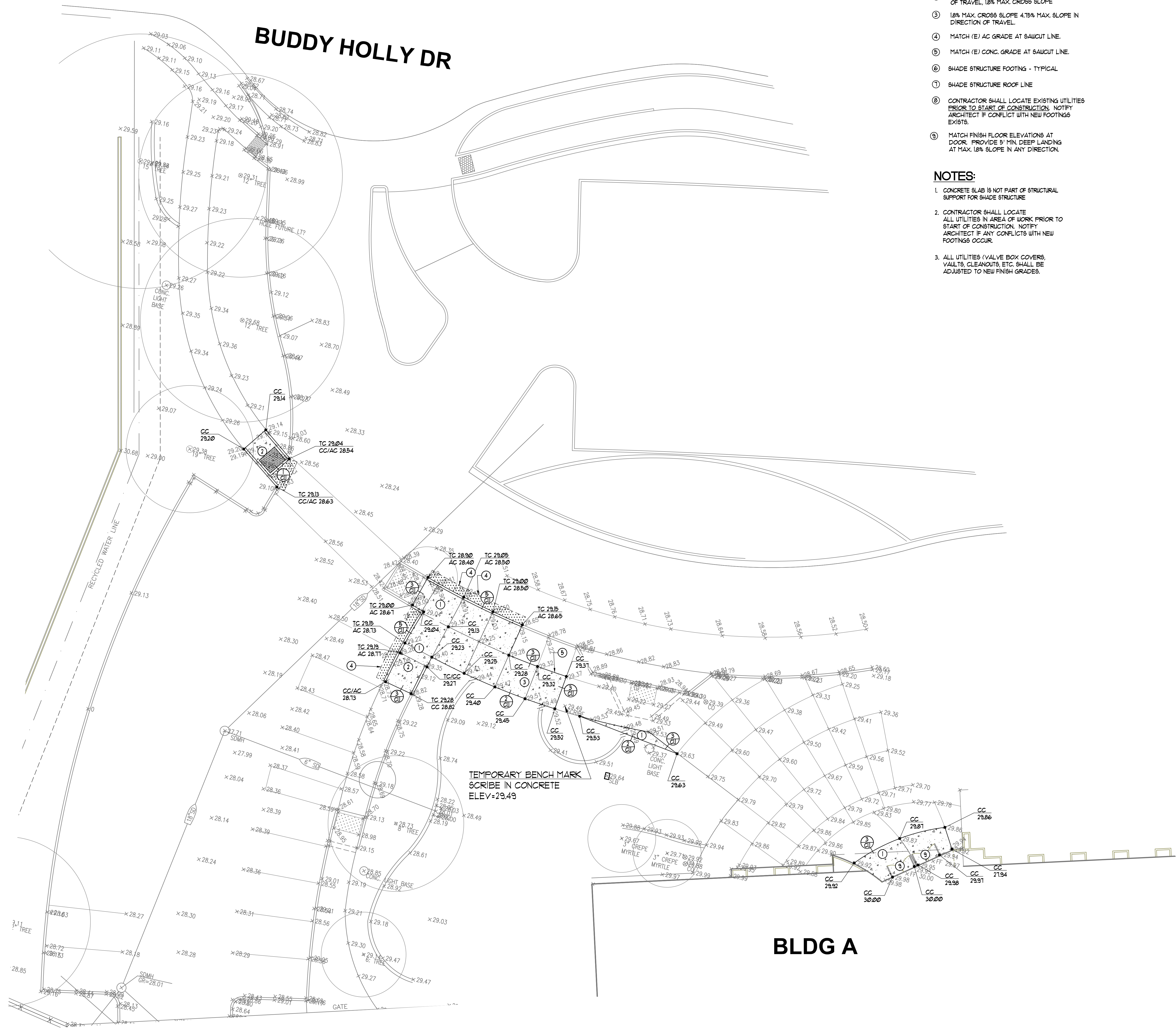
SHEET NAME:
DEMOLITION PLAN

CONSTRUCTION DOCUMENTS

FILE NO.: MES-CD	A NO.: R2211551
DATE: APRIL 19, 2024	CLIENT PROJ NO.:
SHEET:	

C2.2

ALL LINES SHOWN AND NOTED
EXCEPT ORIGINAL PAGE SIZE
SHEET ORIGINAL PAGE SIZE



KEY NOTE LEGEND

1. 1.8% MAX. SLOPE IN ANY DIRECTION.
2. RAMP - 8% MAX. SLOPE IN DIRECTION OF TRAVEL, 1.8% MAX. CROSS SLOPE.
3. 1.8% MAX. CROSS SLOPE 4.15% MAX. SLOPE IN DIRECTION OF TRAVEL.
4. MATCH (E) AC GRADE AT SAWCUT LINE.
5. MATCH (E) CONC. GRADE AT SAWCUT LINE.
6. SHADE STRUCTURE FOOTING - TYPICAL.
7. SHADE STRUCTURE ROOF LINE.
8. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IF CONFLICT WITH NEW FOOTINGS EXISTS.
9. MATCH FINISH FLOOR ELEVATIONS AT DOOR. PROVIDE 3" MIN. DEEP LANDING AT MAX. 1.8% SLOPE IN ANY DIRECTION.

NOTES:

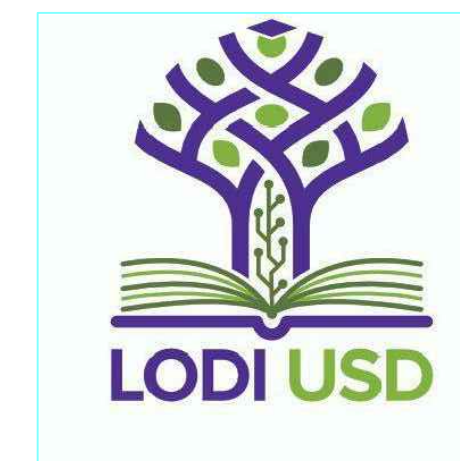
1. CONCRETE SLAB IS NOT PART OF STRUCTURAL SUPPORT FOR SHADE STRUCTURE.
2. CONTRACTOR SHALL LOCATE ALL UTILITIES IN AREA OF WORK PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IF ANY CONFLICTS WITH NEW FOOTINGS OCCUR.
3. ALL UTILITIES (VALVE BOX COVERS, VAULTS, CLEANOUTS, ETC) SHALL BE ADJUSTED TO NEW FINISH GRADES.

PAVING LEGEND

- 9" ASPHALT CONCRETE ON EXISTING LIME TREATED SUBGRADE
- 5" CONCRETE ON 6" AGGREGATE BASE ON COMPACTED SUBGRADE PER PROJECT SPECIFICATIONS W/ #3 REBAR AT 18" O.C. EACH WAY

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APP: 02-122404 INC:
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DATE: 09/04/2024



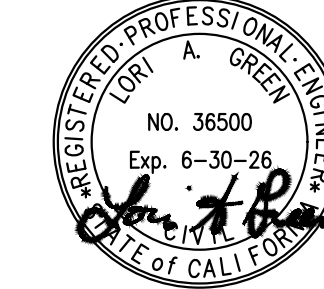
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DESCRIPTION DATE

CONSULTANT:



FACILITY:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE, STOCKTON, CA 95212

PROJECT:

LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL

SHEET NAME:

GRADING, DRAINAGE AND PAVING PLAN

CONSTRUCTION DOCUMENTS

FILE NO.: MES-CD

A NO.: R2211551

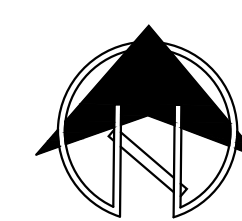
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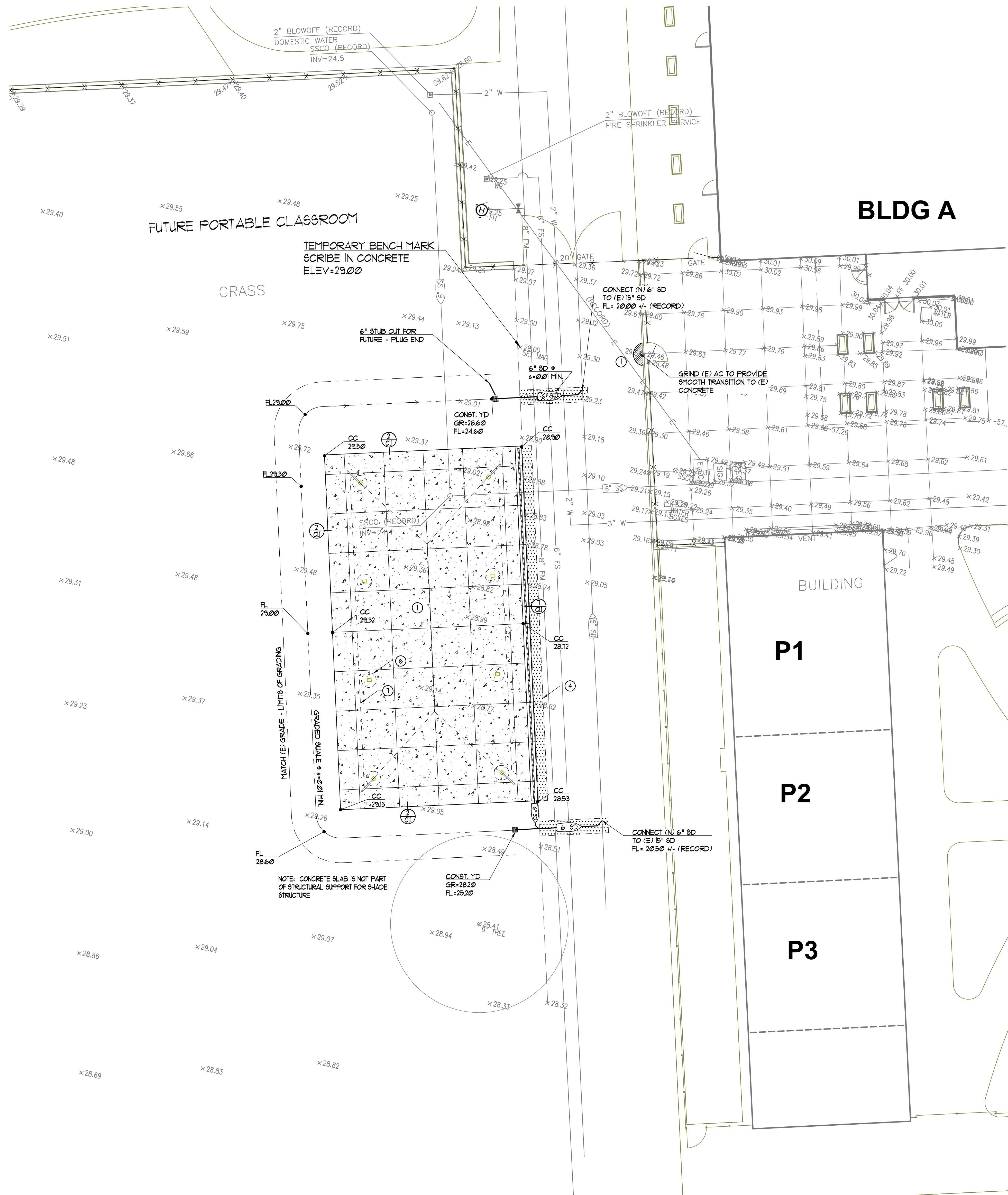
SHEET:

C3.1

1 GRADING, DRAINAGE AND PAVING PLAN
C3.1



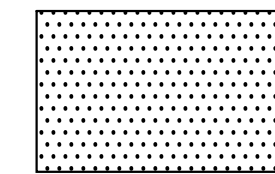
SCALE: 1"=10'



KEY NOTE LEGEND

- ① 18% MAX. SLOPE IN ANY DIRECTION.
- ② RUMF - 8% MAX. SLOPE IN DIRECTION OF TRAVEL, 18% MAX. CROSS SLOPE
- ③ 18% MAX. CROSS SLOPE 4.75% MAX. SLOPE IN DIRECTION OF TRAVEL.
- ④ MATCH (E) AC GRADE AT SAWCUT LINE.
- ⑤ MATCH (E) CONC. GRADE AT SAWCUT LINE.
- ⑥ SHADE STRUCTURE FOOTING - TYPICAL
- ⑦ SHADE STRUCTURE ROOF LINE
- ⑧ CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IF CONFLICT WITH NEW FOOTINGS EXISTS.

PAVING LEGEND

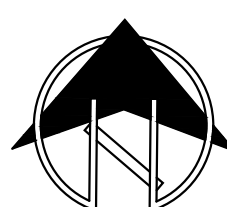


4" ASPHALT CONCRETE ON
10" AGGREGATE BASE ON
COMPACTED SUBGRADE PER
PROJECT SPECIFICATIONS

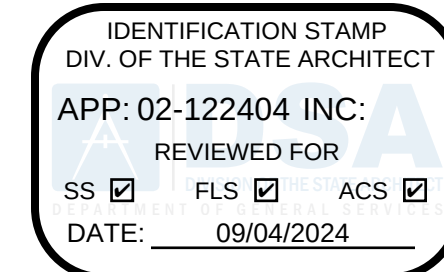
5" CONCRETE ON
6" AGGREGATE BASE ON
COMPACTED SUBGRADE PER
PROJECT SPECIFICATIONS W/
#3 REBAR AT 10" O.C. EACH WAY

NOTES:

1. CONCRETE SLAB IS NOT PART OF STRUCTURAL SUPPORT FOR SHADE STRUCTURE
2. CONTRACTOR SHALL LOCATE ALL UTILITIES IN AREA OF WORK PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IF ANY CONFLICTS WITH NEW FOOTINGS OCCUR.
3. ALL UTILITIES (VALVE BOX COVERS, VAULTS, CLEANOUTS, ETC. SHALL BE ADJUSTED TO NEW FINISH GRADE.



SCALE: 1"=10'

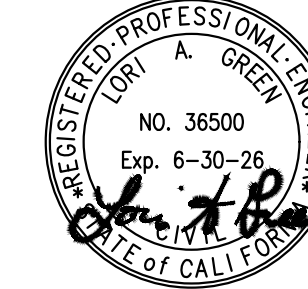


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Δ	DESCRIPTION	DATE
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CONSULTANT:



FACILITY:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE, STOCKTON, CA 95212

PROJECT:
**LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL**

SHEET NAME:
GRADING, DRAINAGE AND PAVING PLAN

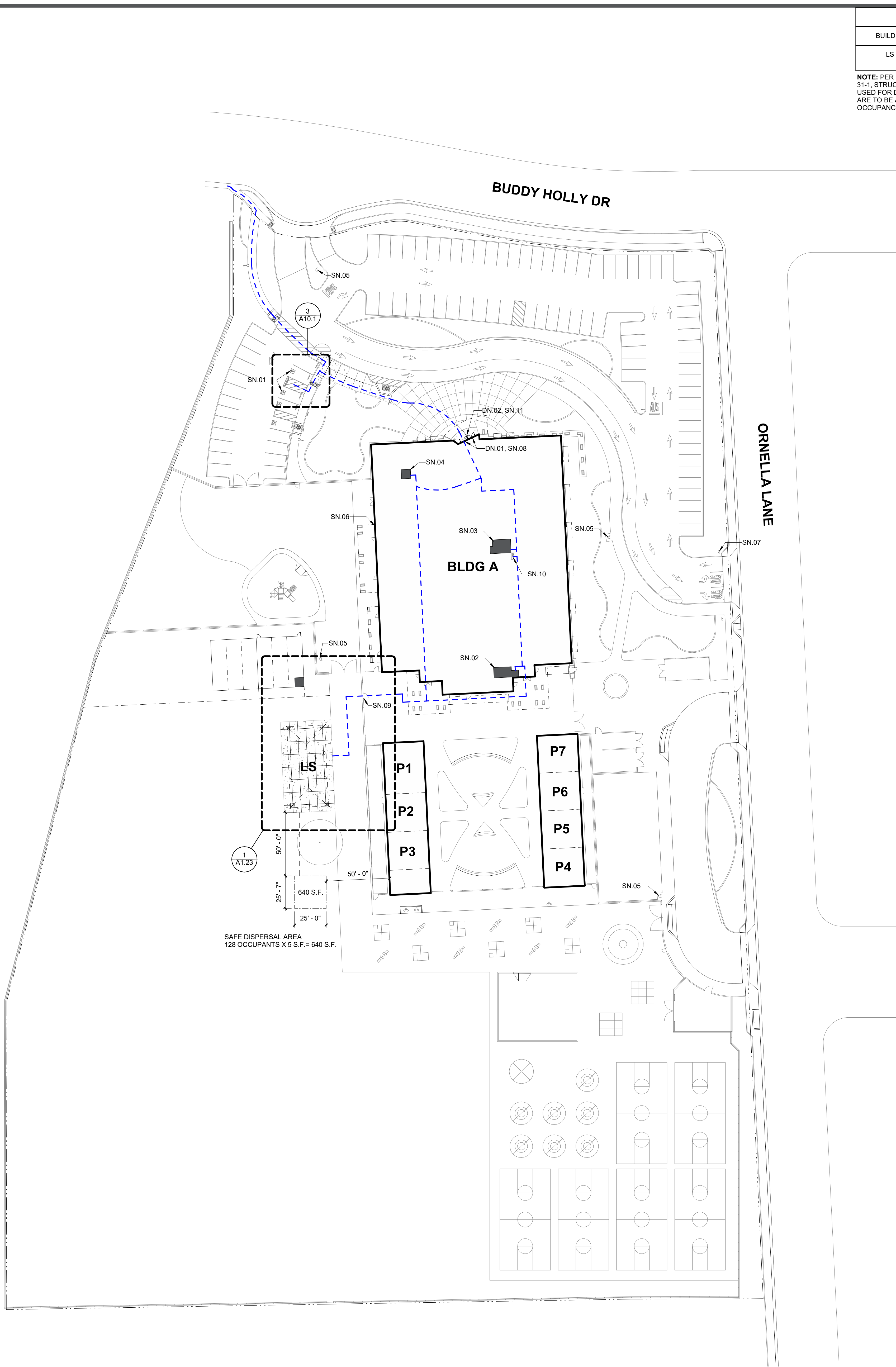
CONSTRUCTION DOCUMENTS

FILE NO.: MES-CD A NO.: R2211551

DATE: **APRIL 19, 2024**

SHEET: _____

C3.2



BUILDING DATA AND ALLOWABLE AREA ANALYSIS					
BUILDING	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	ACTUAL BLDG AREA	OCCUPANCY CALCULATION
LS	A-2	II-B NON-SPRINKLERED	9,500 S.F.	1,920 S.F.	1,920 S.F. / 15 NET = 128 OCC.

NOTE: PER DSA IR 31-1, STRUCTURES USED FOR DINING ARE TO BE A-2 OCCUPANCIES

ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT:	93 STALLS (TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	4 (76-100 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	3 STANDARD & 1 VAN

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT

1) HAVE BEEN IDENTIFIED AND

2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS 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 COMPLIANT ARE FOUND TO BE NON-COMFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

NOTE: LUNCH SHELTER COMPLIES WITH DSA IR 31-1

LEGEND	
	PROPERTY LINE
	ACCESSIBLE PATH OF TRAVEL
	PATH OF EXIT DISCHARGE
	EXISTING BUILDINGS
	(E) DECORATIVE METAL FENCE
	(E) CHAIN LINK FENCE
	ROOF LINE ABOVE
	(E) FIRE HYDRANT

DEMOLITION NOTES

- DN 01 REMOVE (E) DOOR THRESHOLD
DN 02 REMOVE (E) RAILING AND SALVAGE FOR REINSTALLATION

SHEET NOTES

- SN 01 (E) ACCESSIBLE PARKING PER DSA #02-106856
SN 02 (E) BOYS TOILET ROOM PER DSA #02-106856 UPGRADED PER THIS APPLICATION
SN 03 (E) GIRLS TOILET ROOM PER DSA #02-106856 UPGRADED PER THIS APPLICATION
SN 04 (E) STAFF TOILET ROOM PER DSA #02-106856 UPGRADED PER THIS APPLICATION
SN 05 (E) FIRE HYDRANT TO REMAIN, PROTECT IN PLACE
SN 06 (E) FIRE ALARM HORN
SN 07 (E) PARKING ENTRANCE SIGN REVIEWED AND VERIFIED PER THIS APPLICATION
SN 08 REPLACE DOOR THRESHOLD PER DETAIL - 4/A10.1
SN 09 (E) 4'-0" WIDE PEDESTRIAN ACCESS GATE PER DSA #02-106856
SN 10 (E) ACCESSIBLE DRINKING FOUNTAIN PER DSA #02-106856
SN 11 REINSTALL (E) RAILING

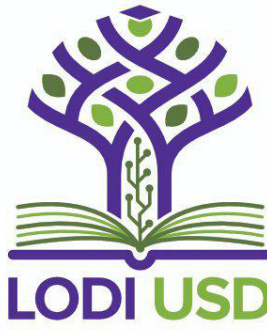
BUILDING DESIGNATIONS

- DSA #02-106856
- BLDG A- ADMIN / MULTIPURPOSE / CLASSROOMS
- P1 - PORTABLE CLASSROOM BUILDING
P2 - PORTABLE CLASSROOM BUILDING
P3 - PORTABLE CLASSROOM BUILDING
P4 - PORTABLE CLASSROOM BUILDING
P5 - PORTABLE CLASSROOM BUILDING
P6 - PORTABLE CLASSROOM BUILDING
P7 - PORTABLE CLASSROOM BUILDING

- THIS APPLICATION
- LS - 30' X 64' LUNCH SHELTER

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122404 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



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SACRAMENTO, CA 95816
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ISSUE

DESCRIPTION	DATE
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PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE:

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NO BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LES THAN 80" ABOVE THE FLOOR. ARCHITECTS SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE BATH OF TRAVEL.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAIL, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED BASED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

NOTES

FACILITY:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE
STOCKTON, CA 95212

PROJECT:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
LUNCH SHELTER

SHEET NAME:

PROJECT SITE PLAN AND CODE ANALYSIS

CONSTRUCTION DOCUMENTS

DATE: xxxx.xx.xx

CLIENT PROJ NO:

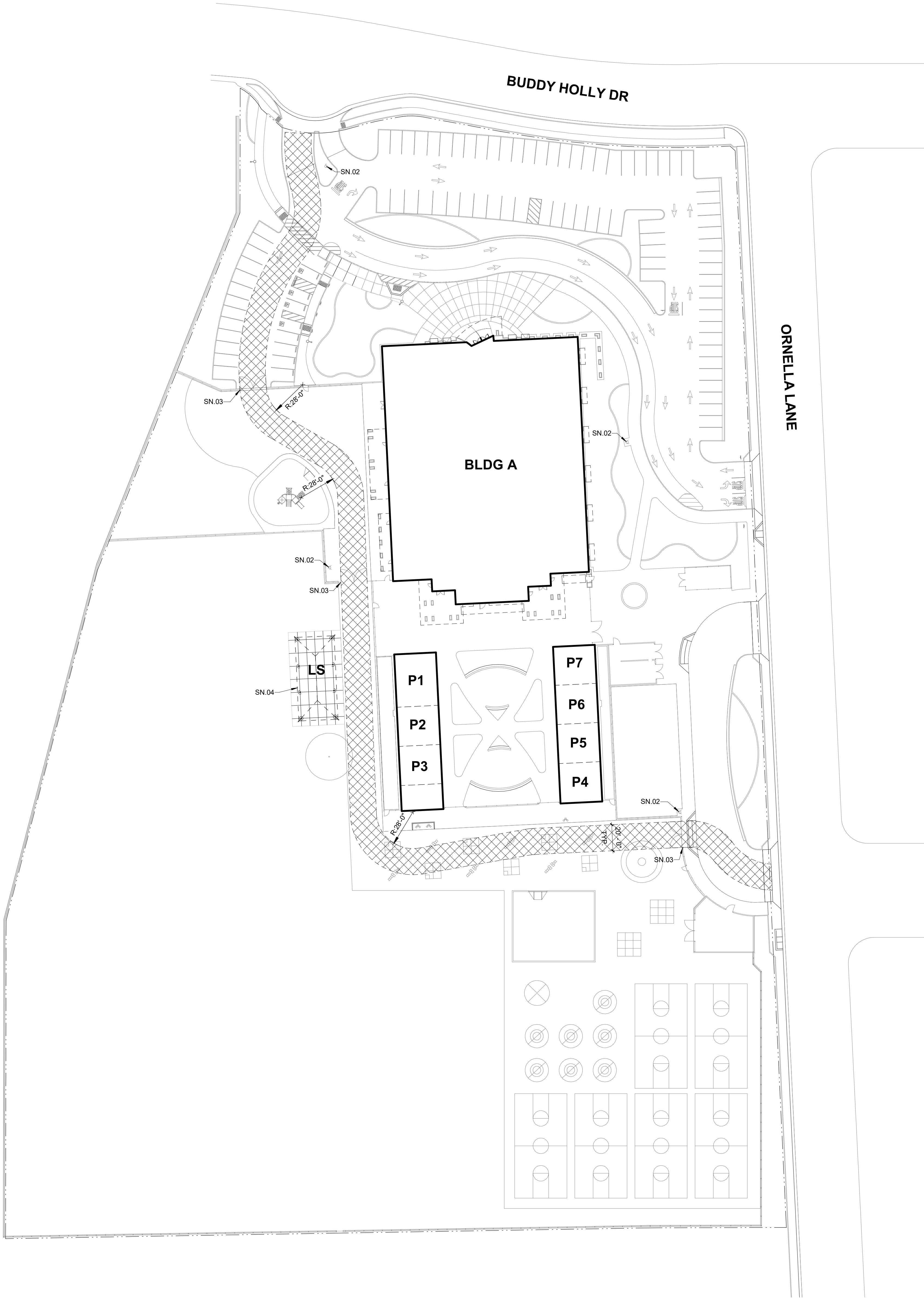
SHEET:

SITE PLAN

1

1" = 40'-0"

Autodesk Docs: /R221551X00 Lodi USD Lunch Shelters/R221551X00-A-MOSHER-ES-LUNCH-SHELTER.rvt 8/13/2024 11:11:10 AM



DSA-810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION

School District:

Lodi Unified School District

Project name / school:

George E. Lincoln Mosher ES - Lunch Shelter

Project address:

3220 Buddy Holly Drive, Stockton, CA 95212

FIRE & LIFE SAFETY INFORMATION

ALTERNATE ACCEPTED

1.

Has a fire hydrant flow test been performed within the past 12 months?
(If yes, provide a copy of the test data)

Yes

No

2.

Was the fire hydrant water flow test performed as part of this LFA Review?
(If yes, provide a copy of the test data)

Yes

No

3.

Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)
Refer to the following for fire hazard zone locations:
www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps
Wildland Interface Area (WIFA)
(If any designations are checked, project design must meet the requirements of CBC Chapter 7A)

Moderate

High

Very High

WIFA

CONDITION MEANS AND METHODS RESOLUTION

ALTERNATE ACCEPTED

4.

Emergency vehicle access roadways do not meet CFC requirements

Yes

No

N/A

N/R

4a.

Acceptable Alternative: Emergency vehicle and personnel access as proposed by the architect is acceptable for providing fire suppression and protection of life and property

5.

Fire Hydrants: Number and spacing does not meet CFC requirements

5a.

Acceptable Alternative: Number of fire hydrants and spacing as proposed by the architect is acceptable for fire suppression and protection of life and property.

6.

Fire Hydrants: Water flow and pressure are less than CFC minimum.

6a.

Acceptable Alternative: 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 system or standpipe system does not meet CFC requirements.

7a.

Acceptable Alternative: 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 of 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:

LEGEND

PROPERTY LINE

(E) FIRE LANE

EXISTING BUILDINGS

(E) DECORATIVE METAL FENCE

(E) CHAIN LINK FENCE

(E) FIRE HYDRANT

SHEET NOTES

SN.01 NOT USED

SN.02 (E) FIRE HYDRANT

SN.03 (E) PR 10'-0" WIDE SWING GATE, PROVIDE KNOX BOX

SN.04 PC LUNCH SHELTER, NON-SPRINKLERED 1,920 SF

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122404 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024

LODI USD

HMC Architects

R221551X00

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION

DATE

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STOCKTON, CA 95212

PROJECT:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
LUNCH SHELTER

SHEET NAME:

LOCAL FIRE AUTHORITY SITE ACCESS PLAN

CONSTRUCTION DOCUMENTS

DATE: xxxx.xx.xx

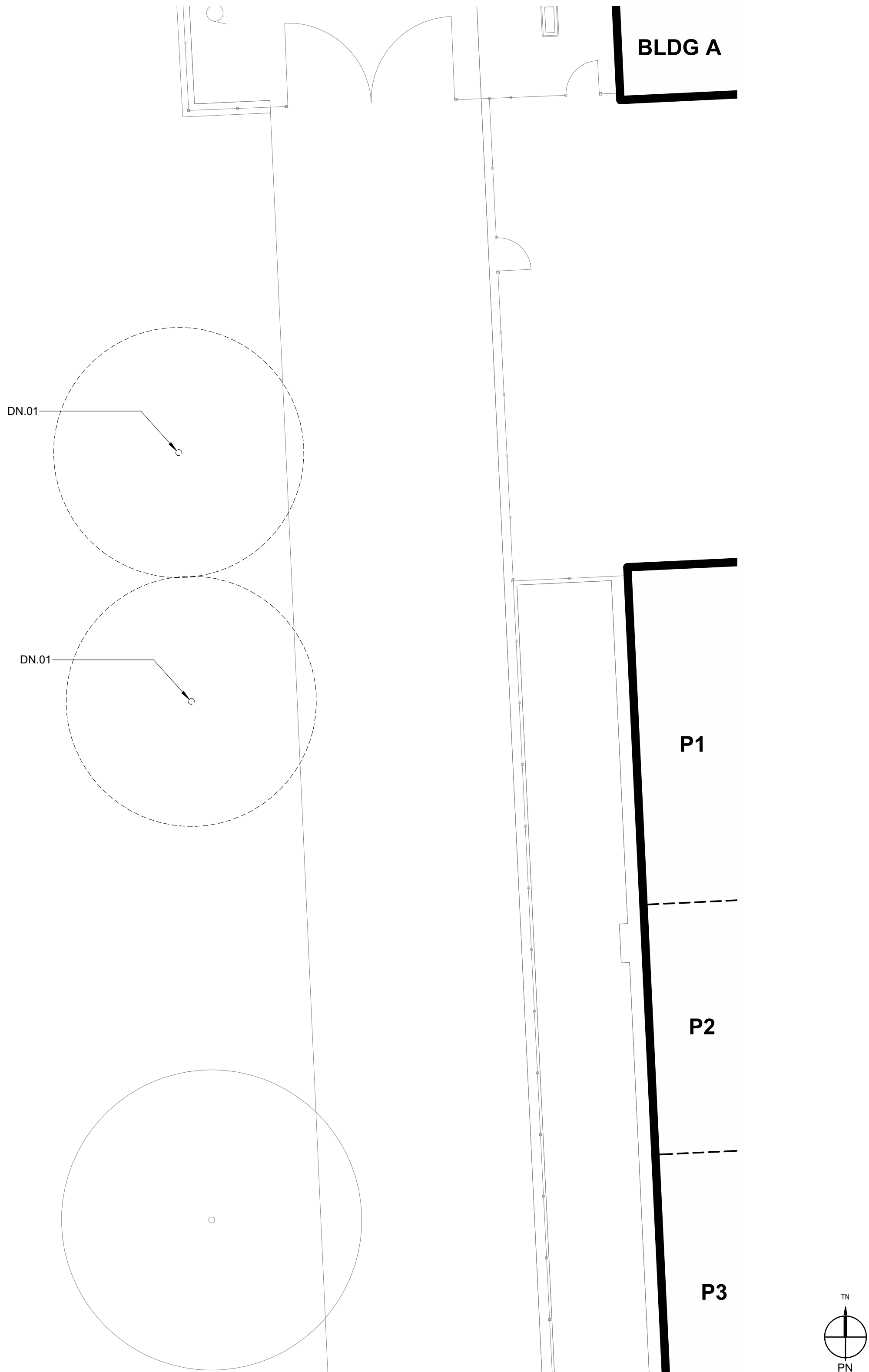
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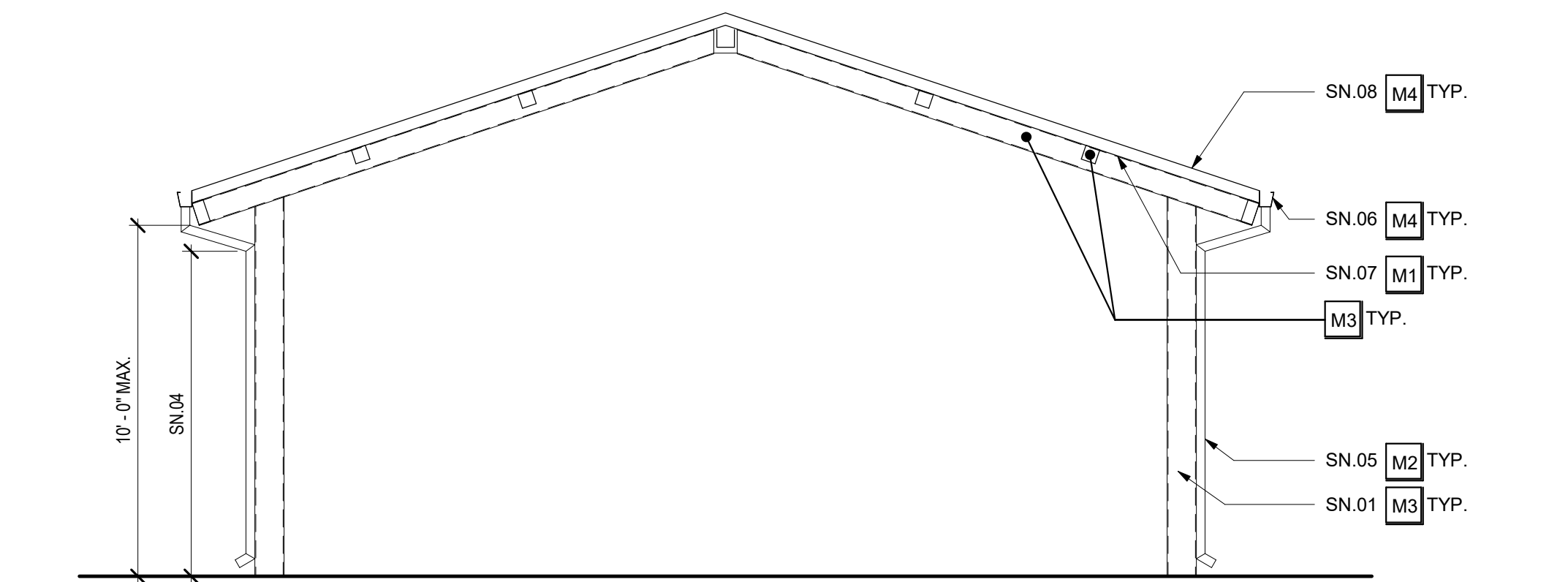
LOCAL FIRE AUTHORITY SITE ACCESS PLAN 1 1" = 40'-0"

PLEASE RECYCLE

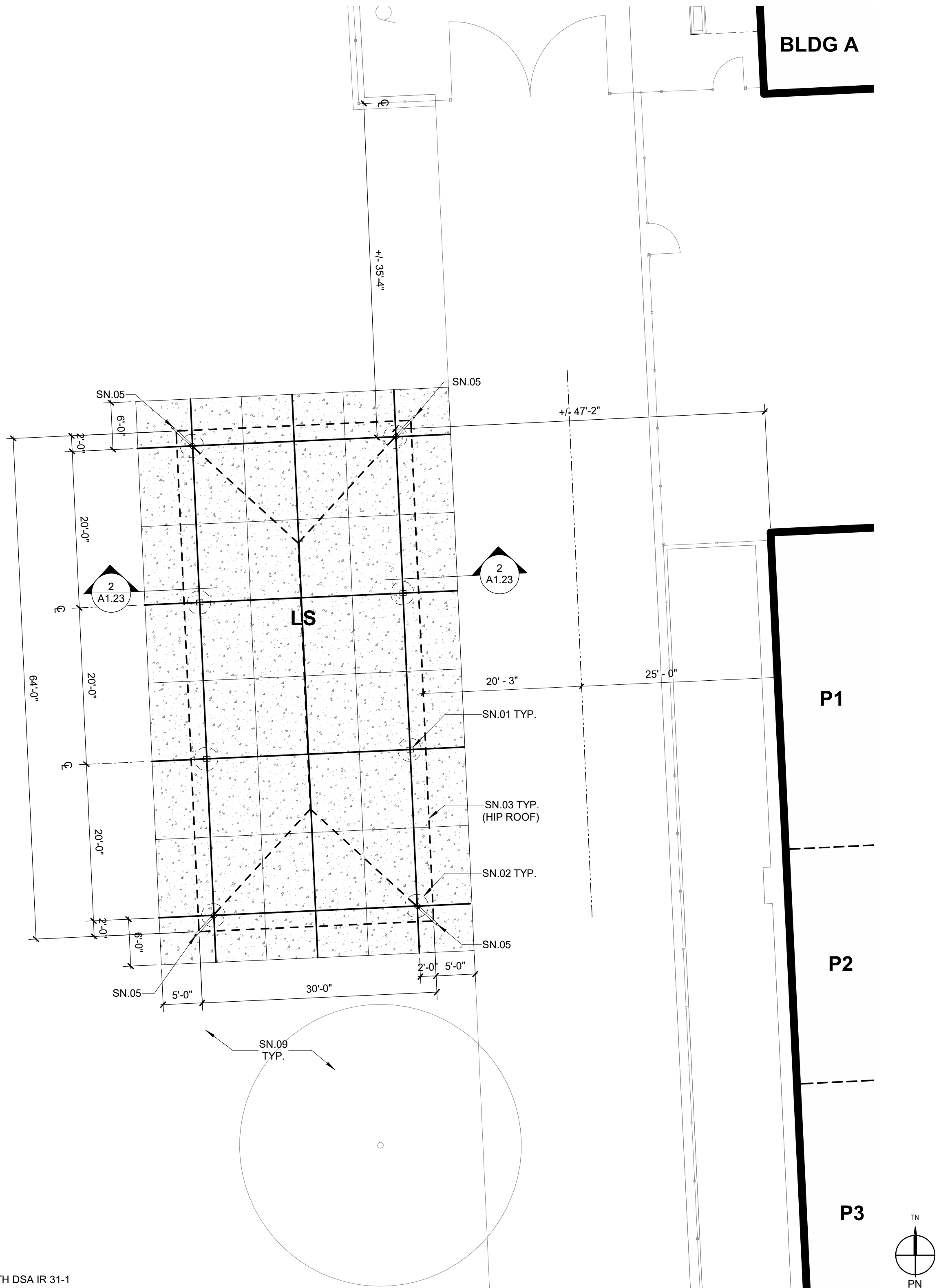
Autodesk Docs: \\R221551X00 Lodi USD Lunch Shelters\R221551X00-A MOSHERS LUNCH SHELTER.rvt 8/13/2024 11:11:10 AM



DEMOLITION SITE PLAN 3
1" = 10'-0"



SECTION - LUNCH SHELTER 2
1/4" = 1'-0"



ENLARGED SITE PLAN - LUNCH SHELTER 1
1" = 10'-0"

LEGEND

- X EXISTING BUILDINGS
- X PC LUNCH SHELTER
- CONTROL JOINT (10'-0" MAX. SPACING)
- CONCRETE PAVING
- EXPANSION JOINT (20'-0" MAX. SPACING)
- (E) DECORATIVE METAL FENCE
- (E) CHAIN LINK FENCE
- ROOF LINE ABOVE
- (E) FIRE HYDRANT

EXTERIOR COLOR SCHEDULE

	MATERIAL	COLOR
M1	METAL	METAL FINISH COLOR 1 (1)
M2	METAL	METAL FINISH COLOR 2 (1)
M3	METAL	METAL PREFINISH COLOR (1) (3)
M4	METAL	METAL PREFINISH COLOR (1) (4)

- CUSTOM COLORS TO BE SUBMITTED PER SPECIFICATIONS
- CLEAN, PREP, AND PAINT ALL SURFACES NOT PREFINISHED
- MATCH METAL PAINT "COLOR 1" WITH COLOR DESIRED IN PREFINISHED "COLOR 1"
- MATCH METAL PAINT "COLOR 2" WITH COLOR DESIRED IN PREFINISHED "COLOR 2"

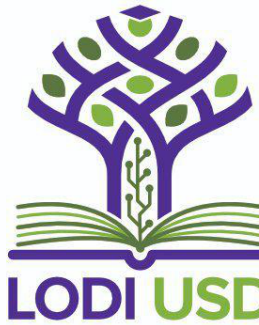
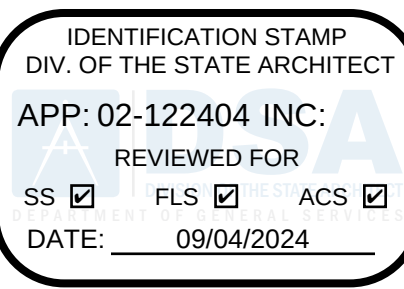
DEMOLITION NOTES

DN.01 REMOVE (E) TREE

SHEET NOTES

- SN.01 HSS COLUMN
- SN.02 DRILLED PIER FOOTING
- SN.03 ROOF OVERHANG ABOVE
- SN.04 HOLD TIGHT TO UNDERSIDE OF FRAMING; MAINTAIN 8'-0" CLEARANCE MIN.
- SN.05 3" DIAMETER SCHEDULE 40 STEEL DOWNSPOUT, PAINTED
- SN.06 PREFINISHED GUTTER AND FLASHING
- SN.07 PAINT DECK UNDERSIDE
- SN.08 PREFINISHED STANDING SEAM ROOF
- SN.09 RECONFIGURE IRRIGATION AND CONTROLS AS REQUIRED TO PROVIDE A WORKING SYSTEM

AGENCY APPROVAL:



HMC Architects

R221551X00

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA 95816
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SHEET NAME:

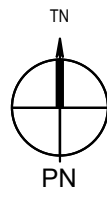
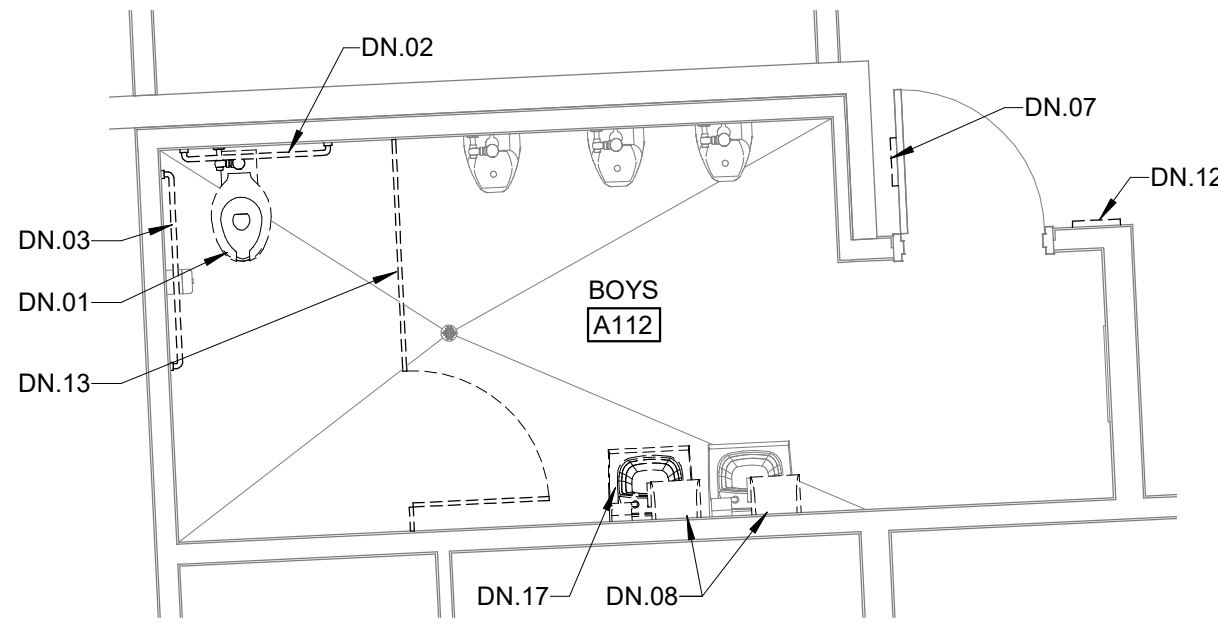
ENLARGED PLAN AND SECTION

CONSTRUCTION DOCUMENTS

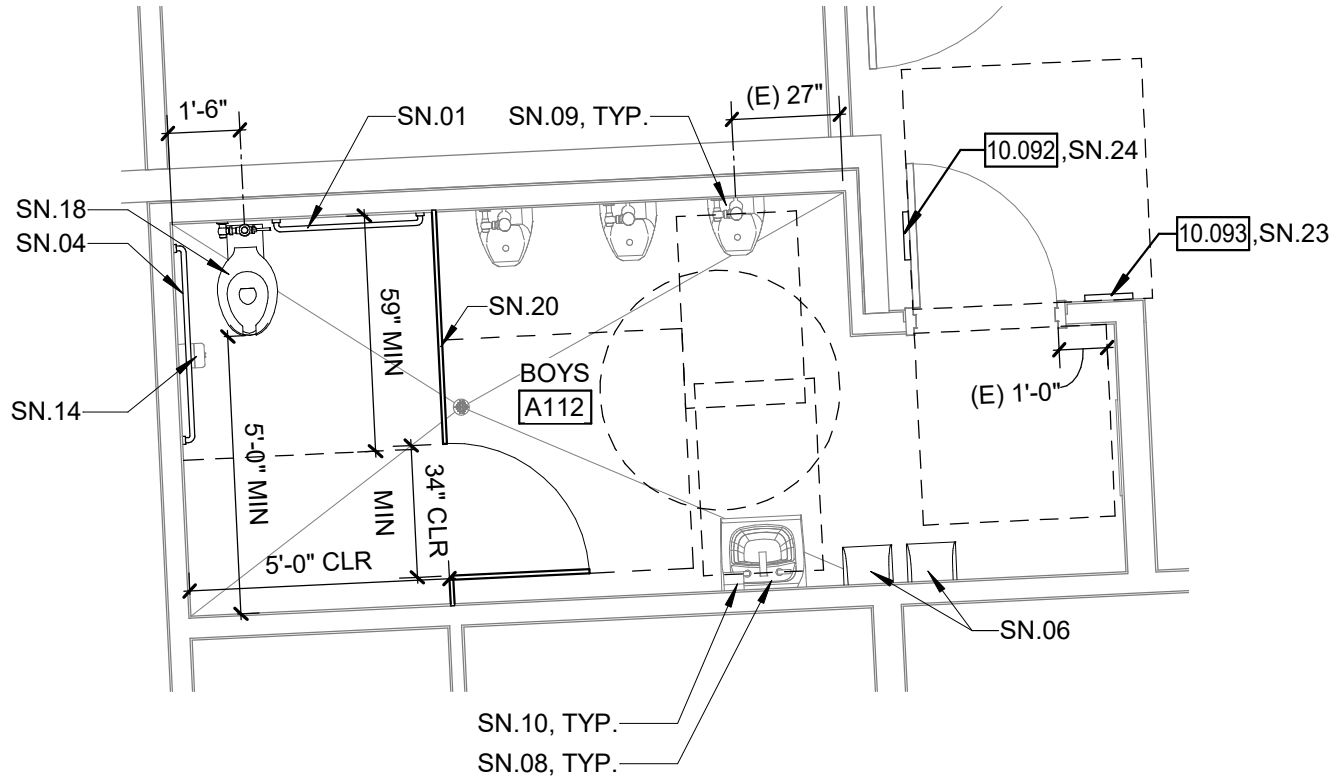
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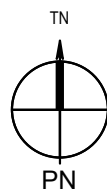
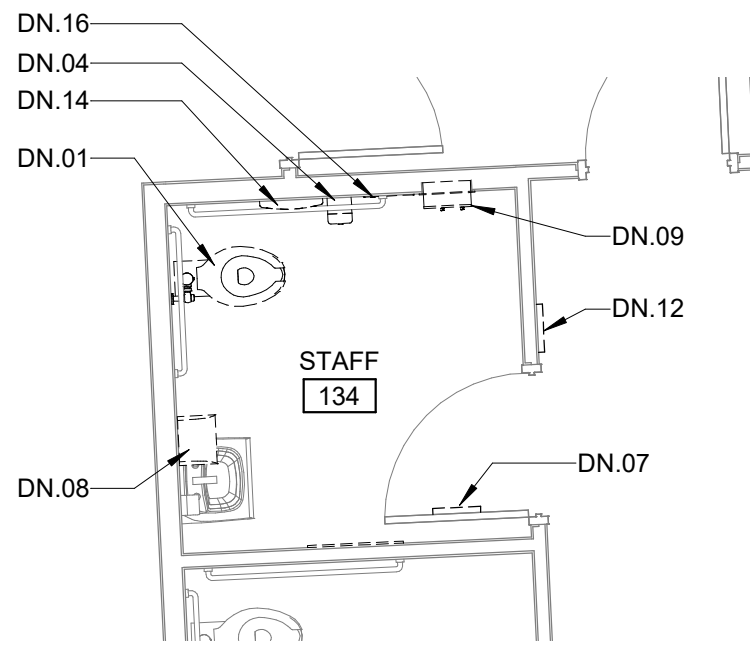
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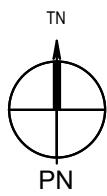
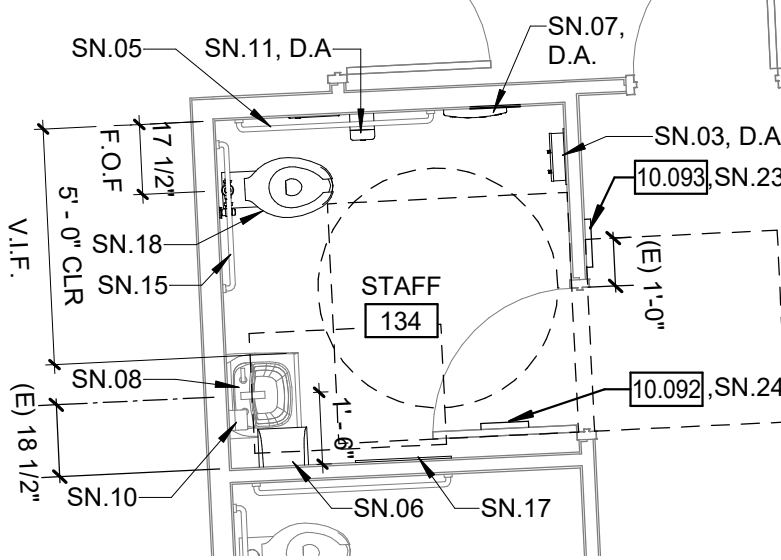
A112 - BOYS TOILET ROOM DEMOLITION 6
1/4" = 1'-0"



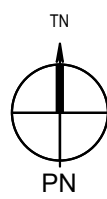
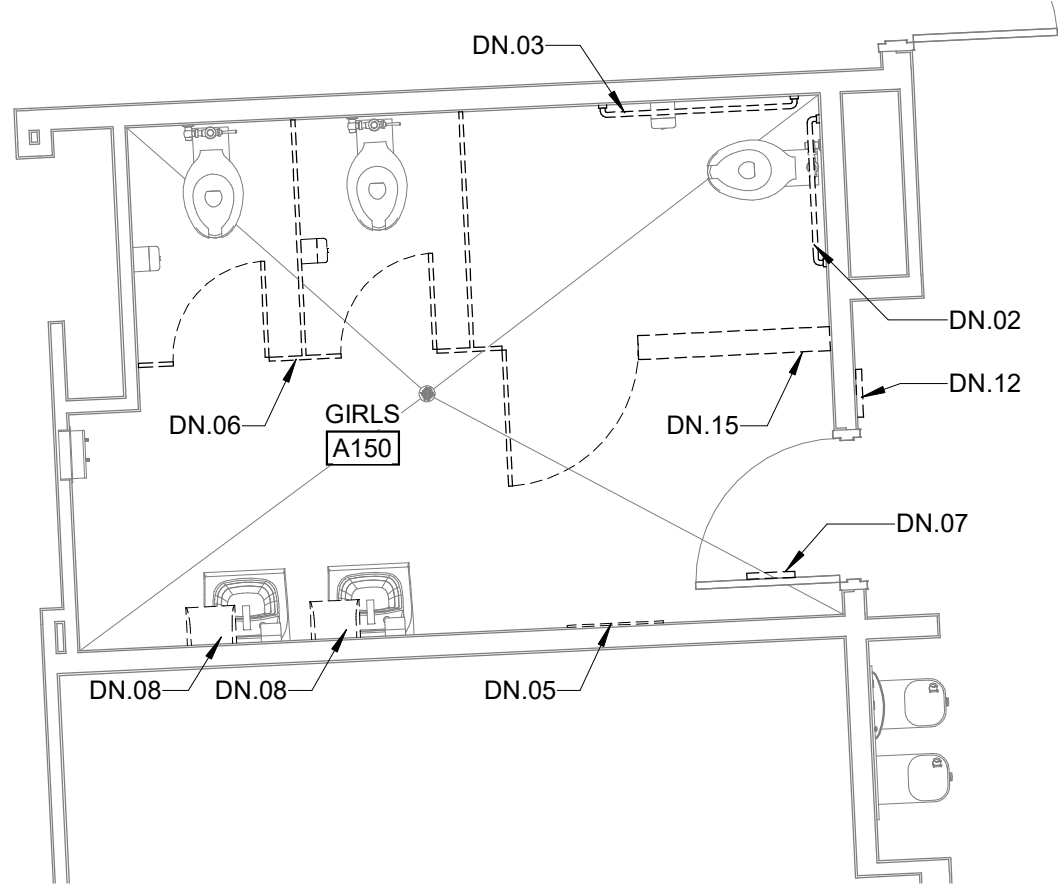
A112 - BOYS TOILET ROOM IMPROVEMENT 3
1/4" = 1'-0"



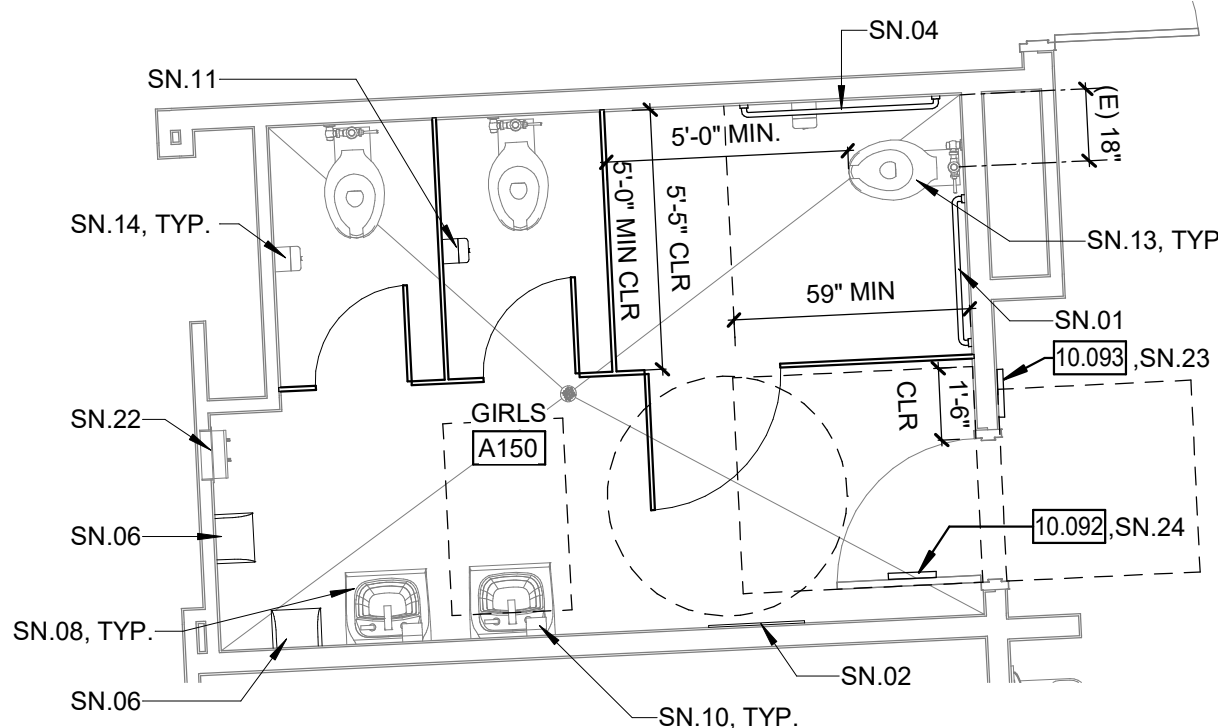
A134 - STAFF TOILET ROOM DEMOLITION 5
1/4" = 1'-0"



A134 - STAFF TOILET ROOM IMPROVEMENT 2
1/4" = 1'-0"



A150 - GIRLS TOILET DEMOLITION 4
1/4" = 1'-0"



A150 - GIRLS TOILET ROOM IMPROVEMENT 1
1/4" = 1'-0"

DENOTES EXISTING WALLS & CURBS (WHERE OCCURS) TO BE REMOVED, SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

=====

EXISTING WALL TO REMAIN

EXISTING WALL TO REMAIN, REMOVE FINISH TO STRUCTURE, UNLESS OTHERWISE NOTED

1

4.5

1.5

4

INTERIOR ELEV.

2

3.5

3

CONSECUTIVE NUMBERING CONVENTION FOR INTERIOR ELEVATIONS AND ROOM FINISHES

1

4.5

1.5

4

INTERIOR ELEV.

2

3.5

3

REMOVE (E) DOOR, HARDWARE AND FRAME U.O.N.

1

4.5

1.5

4

INTERIOR ELEV.

2

3.5

3

30" x 48" CLEAR FLOOR SPACE

1

4.5

1.5

4

INTERIOR ELEV.

2

3.5

3

60" CLEAR FLOOR SPACE

GENERAL NOTES

- TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
- ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
- REMOVE OR MODIFY ALL ITEMS AS REQUIRED TO INSTALL NEW WORK, WHETHER OR NOT SPECIFICALLY SHOWN TO BE REMOVED OR MODIFIED.
- WHERE DRAINS, PIPING AND OTHER MATERIALS AND EQUIPMENT ARE REMOVED FROM THE SLAB, IT SHALL BE BACKFILLED, FINISHED FLUSHED WITH ADJACENT SURFACES AND PREPARED TO RECEIVE THE NEW FINISH.
- CUT AND PATCH EXISTING SLAB AS REQUIRED FOR NEW PLUMBING WORK.
- DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED, ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR
- EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.
- D.A. INDICATES DISABLED ACCESSIBLE

DEMOLITION NOTES

- DN.01 REMOVE (E) WATER CLOSET AND SALVAGE FOR REINSTALLATION
- DN.02 REMOVE (E) 36" GRAB BAR AND SALVAGE FOR REINSTALLATION
- DN.03 REMOVE (E) 42" GRAB BAR AND SALVAGE FOR REINSTALLATION
- DN.04 REMOVE (E) TOILET PAPER DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.05 REMOVE (E) MIRROR AND SALVAGE FOR REINSTALLATION
- DN.06 REMOVE (E) TOILET PARTITION
- DN.07 REMOVE (E) TOILET ROOM DOOR SIGNAGE
- DN.08 REMOVE (E) PAPER TOWEL DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.09 REMOVE (E) SANITARY NAPKIN DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.10 REMOVE (E) LAVATORY AND SALVAGE FOR REINSTALLATION (NOT USED)
- DN.11 REMOVE (E) URINAL AND SALVAGE FOR REINSTALLATION (NOT USED)
- DN.12 REMOVE (E) TOILET ROOM ID SIGN
- DN.13 REMOVE (E) TOILET PARTITION AND SALVAGE FOR REINSTALLATION
- DN.14 REMOVE (E) TOILET SEAT COVER DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.15 REMOVE (E) WALL
- DN.16 REMOVE (E) SANITARY NAPKIN DISPOSAL AND SALVAGE FOR REINSTALLATION
- DN.17 REMOVE (E) LAVATORY, PATCH WALL FINISH TO MATCH EXISTING WALL FINISH

SHEET NOTES

- SN.01 INSTALL 36" GRAB BAR TO COMPLY WITH A10.2 ELEMENTARY. MAINTAIN 1 1/2" CLEARANCE ALL AROUND GRAB BAR. PROVIDE BLOCKING PER DETAIL - 3/A10.2
- CONTRACTOR'S OPTION, STAINLESS STEEL PLATE GRAB BAR PER DETAIL - 7/A10.2
- REMOVE AND REPLACE FRP FINISH IN FULL SHEET AS REQUIRED
- SN.02 REINSTALL SALVAGED MIRROR TO COMPLY WITH A10.2
- SN.03 REINSTALL SANITARY NAPKIN DISPENSER TO COMPLY WITH A10.2
- SN.04 REINSTALL SALVAGED 42" GRAB BAR TO COMPLY WITH A10.2 (ELEMENTARY). SEE DETAIL 4/A10.2
- SN.05 (E) 42" GRAB BAR TO REMAIN
- SN.06 REINSTALL SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY) FOR BOYS/GIRLS AND (ADULT) FOR STAFF
- SN.07 REINSTALL SALVAGED TOILET SEAT COVER DISPENSER TO COMPLY WITH A10.2 (ADULT)
- SN.08 (E) LAVATORY TO REMAIN. WRAP EXPOSED PIPE W/INSULATION
- SN.09 (E) URINAL TO REMAIN
- SN.10 (E) SOAP DISPENSER TO REMAIN
- SN.11 REINSTALL SALVAGED TOILET PAPER DISPENSER TO COMPLY WITH A10.2 (ADULT)
- SN.12 (E) TOILET PARTITION TO REMAIN
- SN.13 (E) WATER CLOSET TO REMAIN
- SN.14 (E) TOILET PAPER DISPENSER TO REMAIN
- SN.15 (E) 36" GRAB BAR TO REMAIN
- SN.16 NOT USED
- SN.17 (E) MIRROR TO REMAIN
- SN.18 REINSTALL SALVAGED WATER CLOSET TO COMPLY WITH A10.2 (ELEMENTARY FOR BOYS/GIRLS AND (ADULT) FOR STAFF. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT AND ADJUST AS REQUIRED
- SN.19 (E) TOILET ROOM DOOR SIGNAGE TO REMAIN
- SN.20 ADJUST TOILET PARTITION AS NECESSARY FOR REQUIRED GRAB BAR CLEARANCE. PROVIDE NEW OVERHEAD BRACE AND ACCESSORIES AS REQUIRED
- SN.21 (E) SANITARY NAPKIN DISPOSAL TO REMAIN
- SN.22 (E) SANITARY NAPKIN DISPENSER TO REMAIN
- SN.23 INSTALL TOILET ROOM I.D. SIGN TO COMPLY WITH A10.2
- SN.24 INSTALL TOILET ROOM DOOR SIGN TO COMPLY WITH A10.2

KEY NOTES

- 10.092 TOILET ROOM DOOR SIGNAGE
- 10.093 TOILET ROOM I.D. SIGN

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122404 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
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HMC Architects

R221551X00

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SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION

DATE

NOTES

- REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
- REFER TO G-SERIES SHEETS FOR ADDITIONAL INFO AND CODE REQUIREMENTS.
- FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS
- REFER TO PARTIAL PLANS FOR MORE INFORMATION. OVERALL PLANS ARE INTENDED TO PROVIDE CONTEXT FOR PARTIAL PLANS.

KEY PLAN:

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STOCKTON, CA 95212

PROJECT:

GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL LUNCH SHELTER

SHEET NAME:

UNIT A ENLARGED TOILET ROOM PLANS

CONSTRUCTION DOCUMENTS

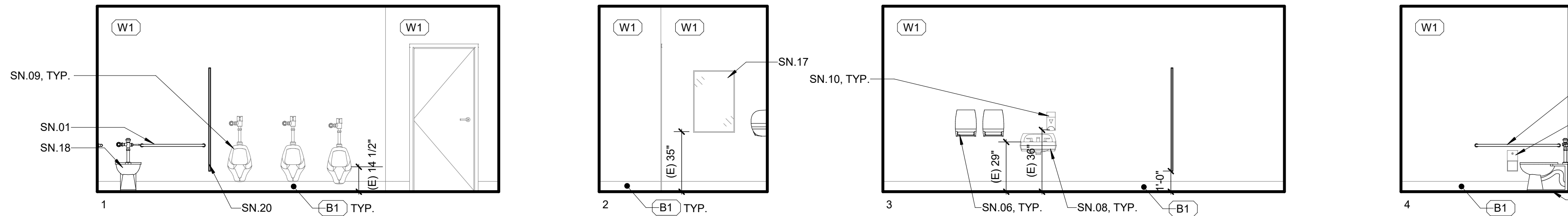
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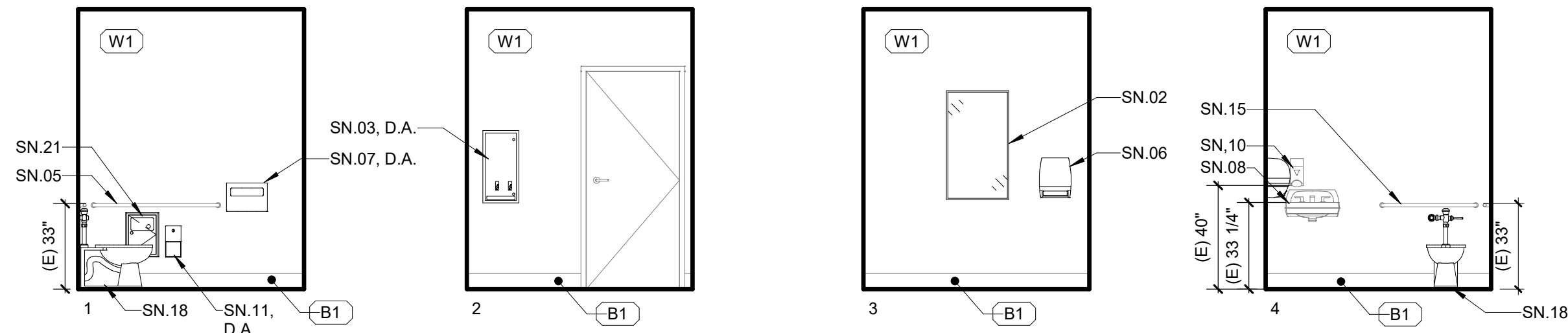
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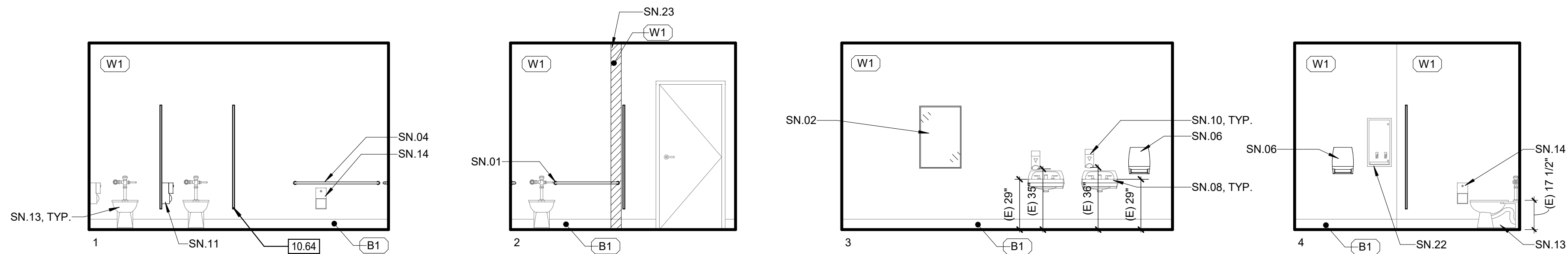
A2.11



A112 - BOYS ELEVATIONS 3
1/4" = 1'-0"

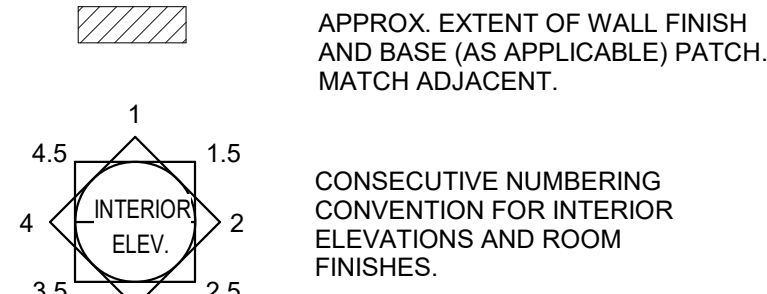


A134 - STAFF ELEVATIONS 2
1/4" = 1'-0"



A150 - GIRLS ELEVATIONS 1
1/4" = 1'-0"

LEGEND



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- REMOVE AND REPLACE FRP FINISH IN FULL SHEET AS REQUIRED
- SN.02 REINSTALL SALVAGED MIRROR TO COMPLY WITH A10.2
- SN.03 REINSTALL SANITARY NAPKIN DISPENSER TO COMPLY WITH A10.2
- SN.04 REINSTALL SALVAGED 42" GRAB BAR TO COMPLY WITH A10.2 (ELEMENTARY)
- SN.05 (E) 42" GRAB BAR TO REMAIN
- SN.06 REINSTALL SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY) FOR BOYS/GIRLS AND (ADULT) FOR STAFF
- SN.07 REINSTALL SALVAGED TOILET SEAT COVER DISPENSER TO COMPLY WITH A10.2 (ADULT)
- SN.08 (E) LAVATORY TO REMAIN. WRAP EXPOSED PIPE W/INSULATION
- SN.09 (E) URINAL TO REMAIN
- SN.10 (E) SOAP DISPENSER TO REMAIN
- SN.11 REINSTALL SALVAGED TOILET PAPER DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY) FOR BOYS/GIRLS AND (ADULT) FOR STAFF
- SN.12 (E) TOILET PARTITION TO REMAIN
- SN.13 (E) WATER CLOSET TO REMAIN
- SN.14 (E) TOILET PAPER DISPENSER TO REMAIN
- SN.15 (E) 36" GRAB BAR TO REMAIN
- SN.16 (E) TOILET ROOM I.D. SIGN TO REMAIN
- SN.17 (E) MIRROR TO REMAIN
- SN.18 REINSTALL SALVAGED WATER CLOSET TO COMPLY WITH A10.2 (ELEMENTARY FOR BOYS/GIRLS AND (ADULT) FOR STAFF. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT AND ADJUST AS REQUIRED
- SN.19 (E) TOILET ROOM DOOR SIGNAGE TO REMAIN
- SN.20 REINSTALL SALVAGED TOILET PARTITION AND ADJUST AS NECESSARY FOR REQUIRED GRAB BAR CLEARANCE. PROVIDE NEW OVERHEAD BRACE AND ACCESSORIES AS REQUIRED
- SN.21 REINSTALL SALVAGED SANITARY NAPKIN DISPOSAL TO COMPLY WITH A10.2 (ADULT). REPLACE FRP AS REQUIRED TO MATCH EXISTING WALL FINISH
- SN.22 (E) SANITARY NAPKIN DISPENSER TO REMAIN
- SN.23 PATCH (E) WALL TO MATCH EXISTING WALL FINISH.

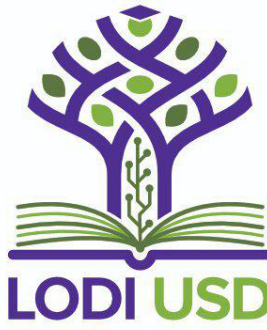
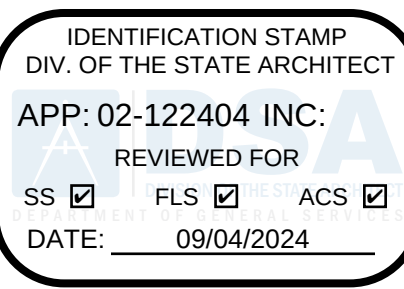
FINISHES

- WALL**
- (W1) (E) FIBER REINFORCED LAMINATE PANELS
- BASE**
- (B1) (E) INTEGRAL COVED BASE

KEYNOTES

- 10.64 Plastic toilet compartment

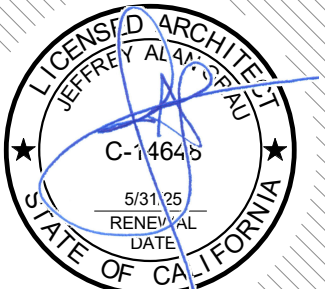
AGENCY APPROVAL:



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KEYNOTES

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PROJECT:
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LUNCH SHELTER

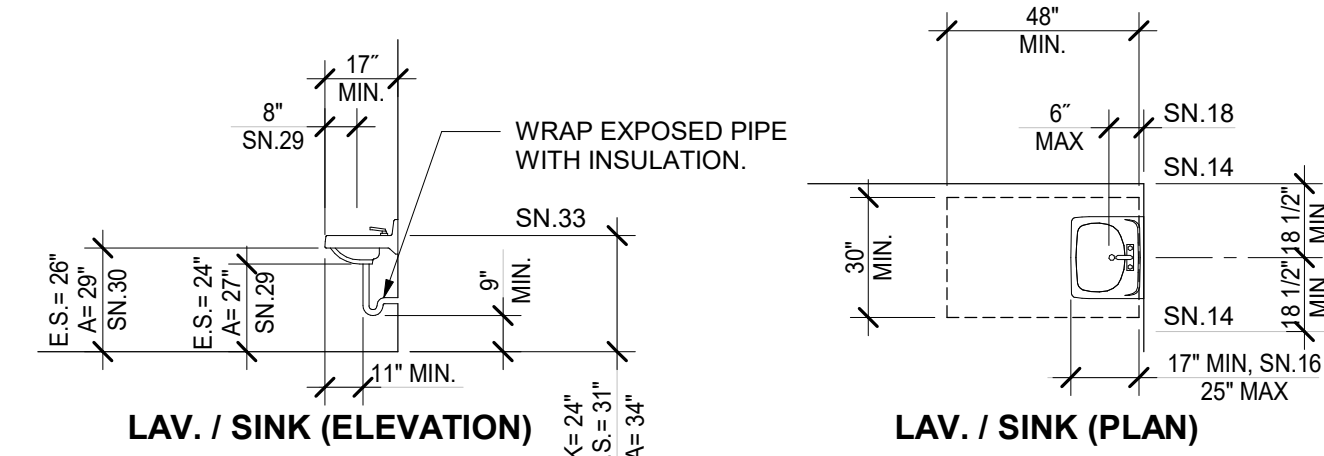
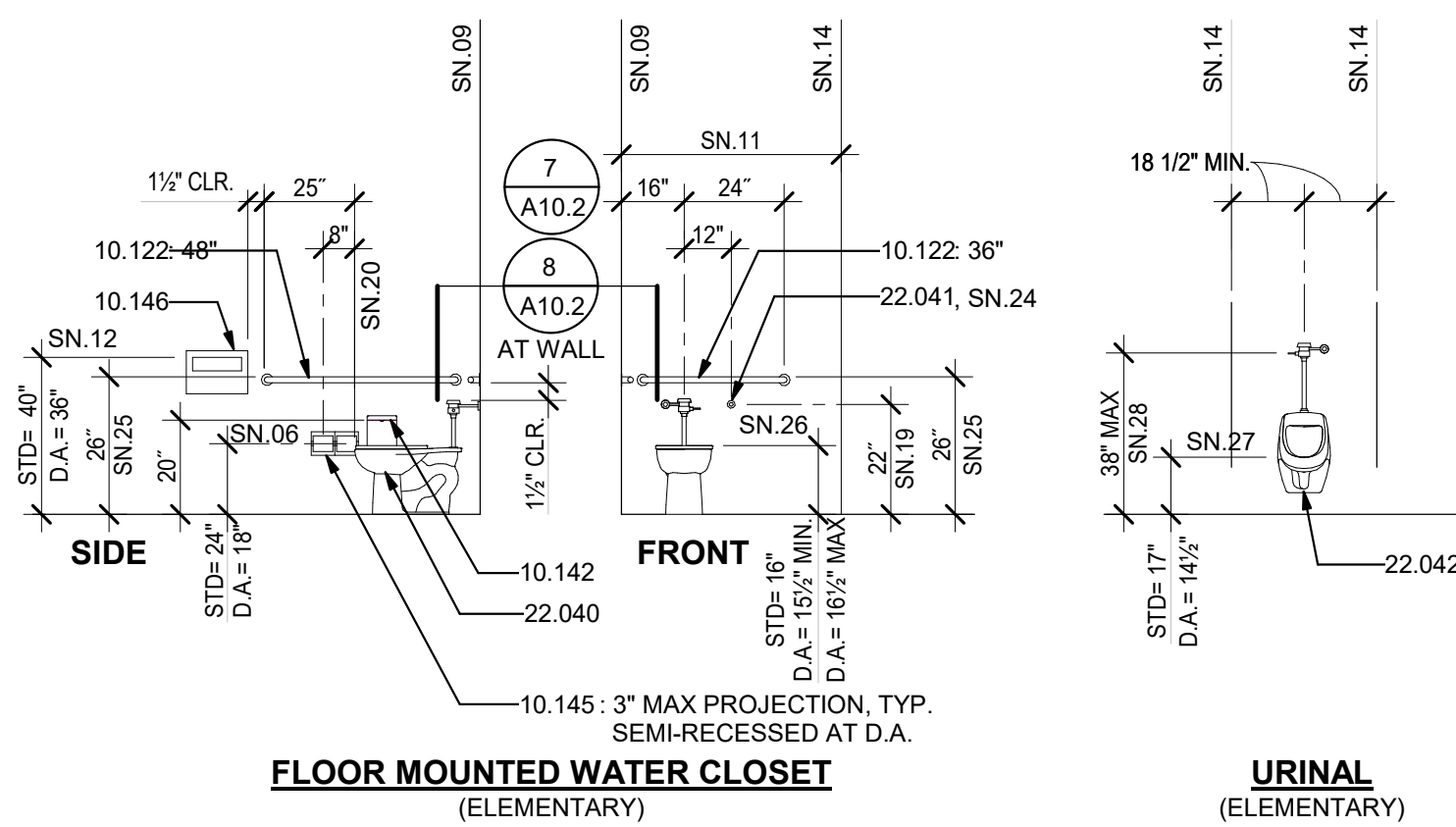
SHEET NAME:
BLDG A - INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

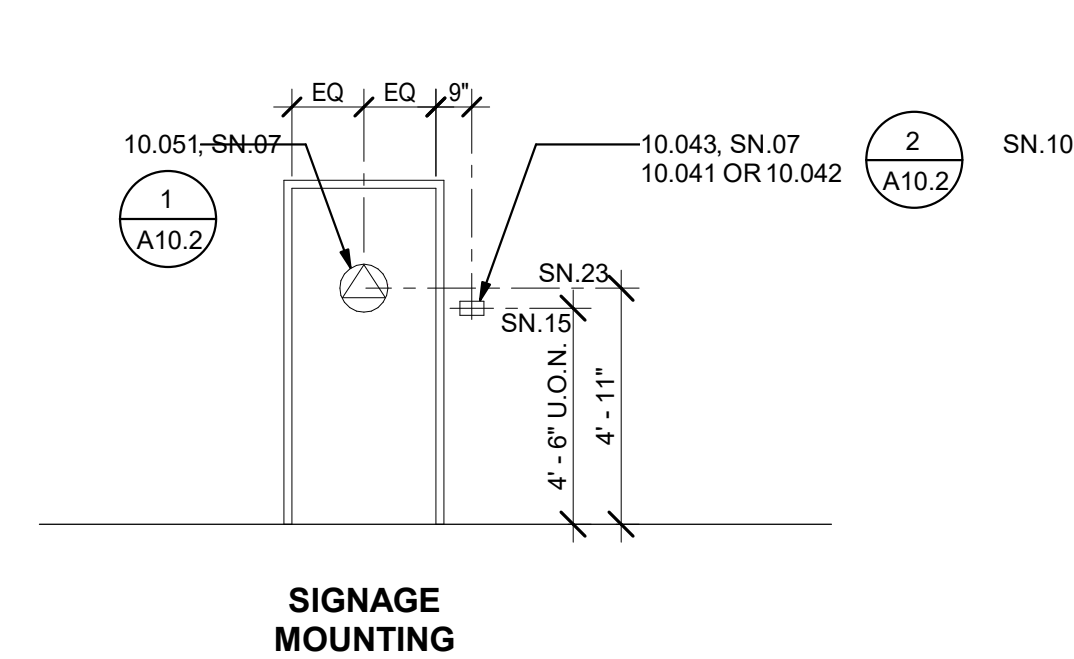
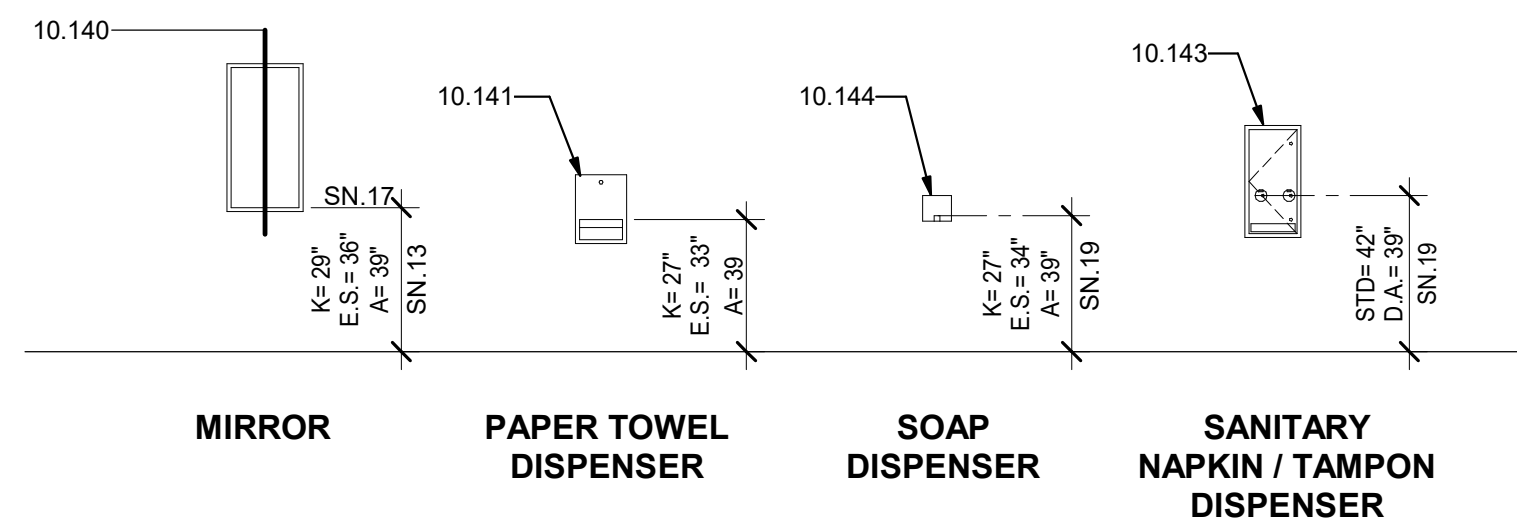
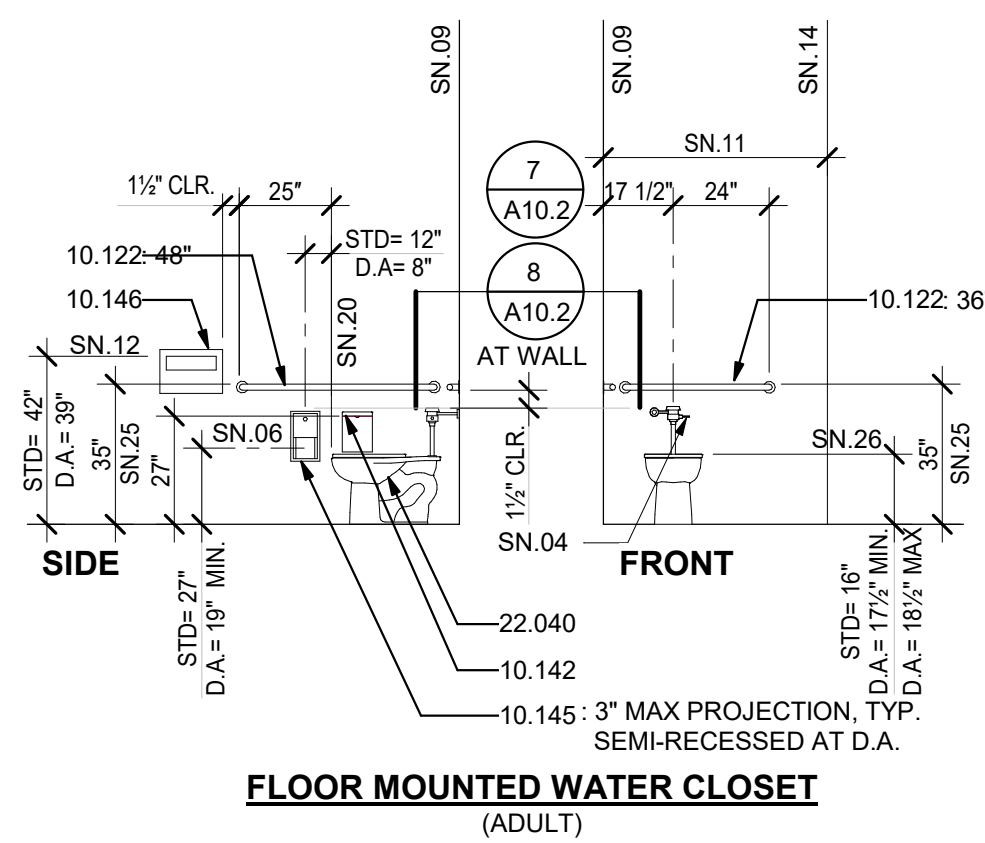
DATE: xxxxxx.xx	CLIENT PROJ NO:
SHEET:	

Autodesk Docs: R221551X00 Lodi USD Lunch Shelters R221551X00-A MOSHER'S LUNCH SHELTER.rvt 8/13/2024 11:11:15 AM

THE LINE SHOWN ABOVE THE FLOOR IS THE CENTERLINE OF THE SIGN. THE LINE SHOWN BELOW THE FLOOR IS THE CENTERLINE OF THE SIGN. THE LINE SHOWN ABOVE THE FLOOR IS THE CENTERLINE OF THE SIGN. THE LINE SHOWN BELOW THE FLOOR IS THE CENTERLINE OF THE SIGN.



FIXTURE AND ACCESSORY HEIGHTS



LEGEND

A ADULT / STAFF
E.S. ELEMENTARY SCHOOL
K KINDERGARTEN

GENERAL NOTES

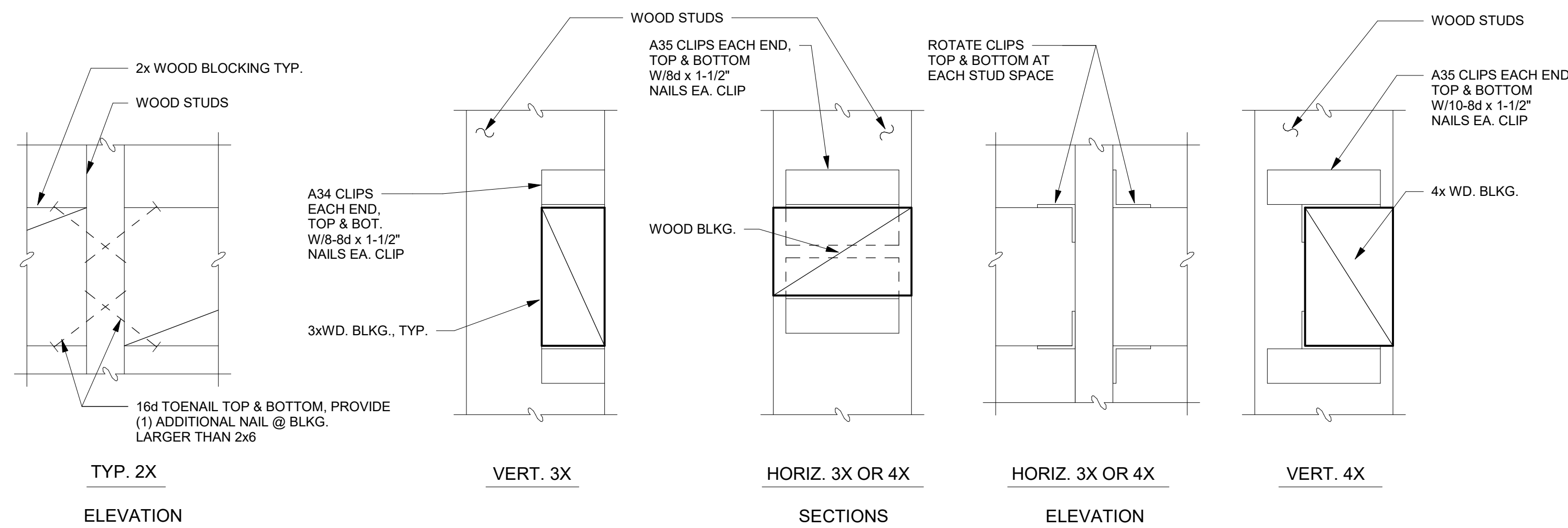
- TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
- ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
- HEIGHTS ARE MEASURED FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.

SHEET NOTES

- SN.01 TOP OF SHELF
SN.02 MIDDLE SHELF FIXED
SN.03 NOT USED
SN.04 AT ACCESSIBLE WATER CLOSETS, FLUSH CONTROL HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET ENCLOSURE TO OPERATOR OR PUSH BUTTON DIMENSION TO CENTERLINE OF TOILET PAPER ROLL POSITION.
SN.05 PROVIDE AT ALL TOILET ROOM DOORS AT DISABLED ACCESSIBLE CASEWORK TO FACE OF FINISH FOR SIGNS MOUNTED BACK-TO-BACK ON WINDOW GLAZING. SEE SPECIFICATIONS FOR REQUIREMENTS.
SN.06 62" CLR MIN. TO FINISH WALL / PARTITION / FIXTURE.
SN.07 TOP OF OPENING
SN.08 34" MAX. IF MIRROR IS NOT MOUNTED OVER A LAV. OR COUNTER, TOP OF MIRROR 74" MIN. FOR HIGH SCHOOL, & ADULTS. FACE OF OBJECTS OR WALLS
SN.09 CENTERLINE OF SIGN
SN.10 18" MINIMUM AT SINK
SN.11 BOTTOM EDGE OF REFLECTIVE SURFACE FROM FARTHEST DEPTH OF THE CLEAR FLOOR SPACE TO FACE OF PLUMBING AND OTHER OBSTACLES
SN.12 TO CENTERLINE CONTROL. FRONT EDGE OF WATER CLOSET.
SN.13 AT CHILDREN'S DRINKING FOUNTAIN
SN.14 CENTERLINE OF SYMBOL WHERE SPECIFIED (ELEMENTARY / KINDERGARTEN)
SN.15 TOP OF GRAB BAR
SN.16 TOP OF SEAT
SN.17 LIP HEIGHT
SN.18 FLUSH HANDLE HEIGHT
SN.19 MINIMUM KNEE CLEARANCE
SN.20 MINIMUM APRON CLEARANCE
SN.21 NOT USED
SN.22 NOT USED
SN.23 MAXIMUM HEIGHT
SN.24 NOT USED
SN.25 TO TOP OF SINK RIM, WHERE OCCURS.

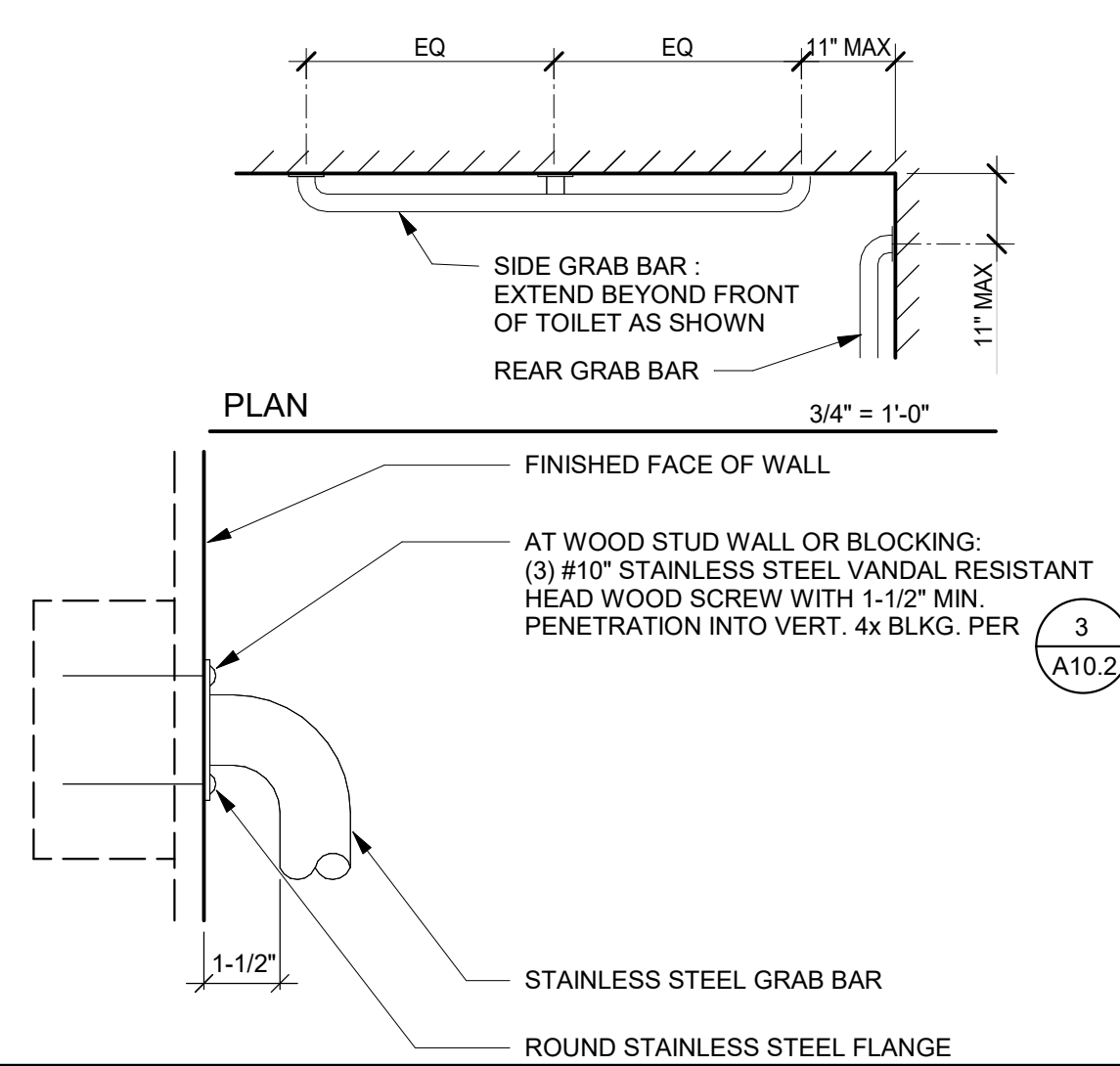
TYPICAL MOUNTING HEIGHTS AND ATTACHMENT REFERENCES

4
1/4" = 1'-0"



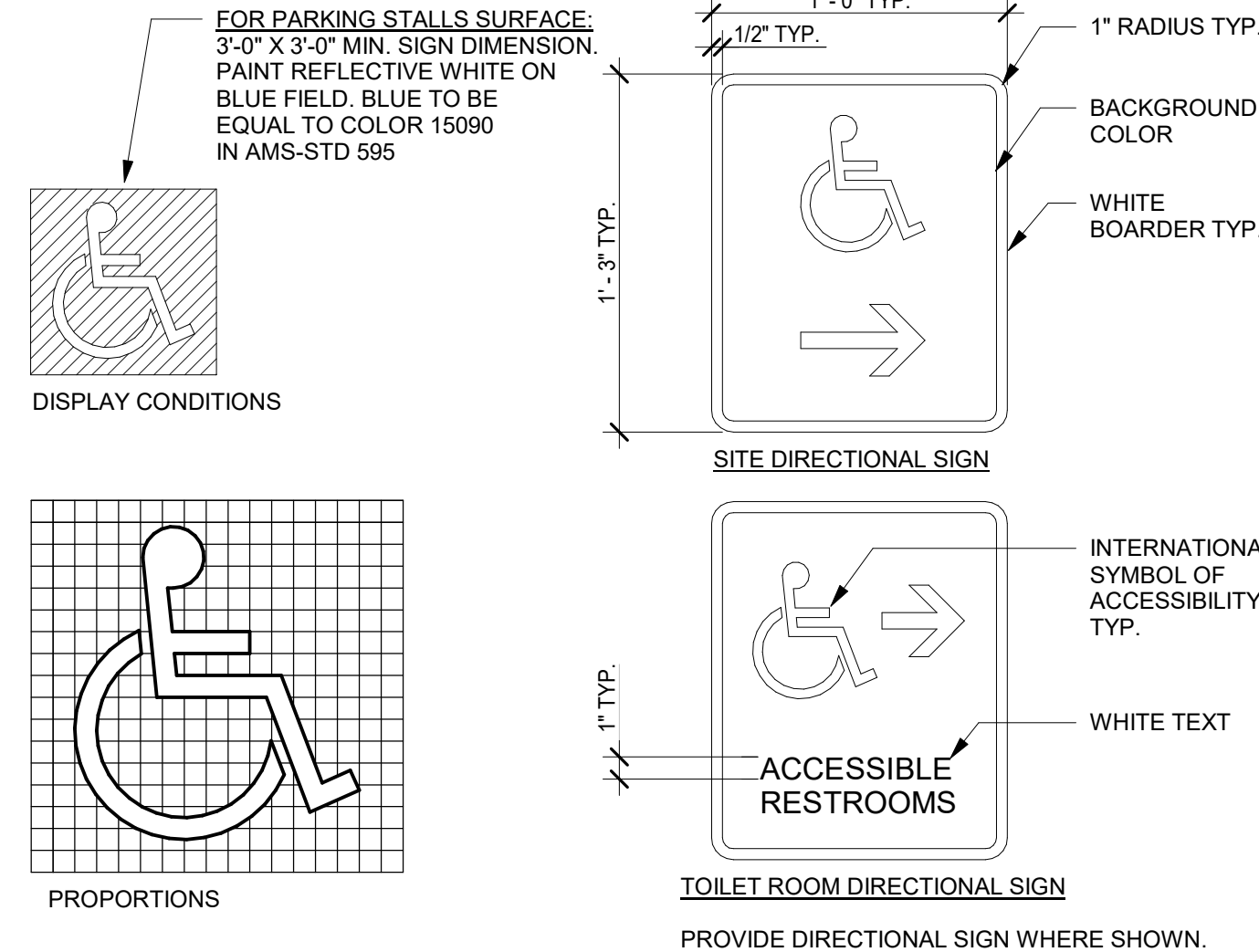
TYPICAL WOOD BLOCKING

3
3" = 1'-0"



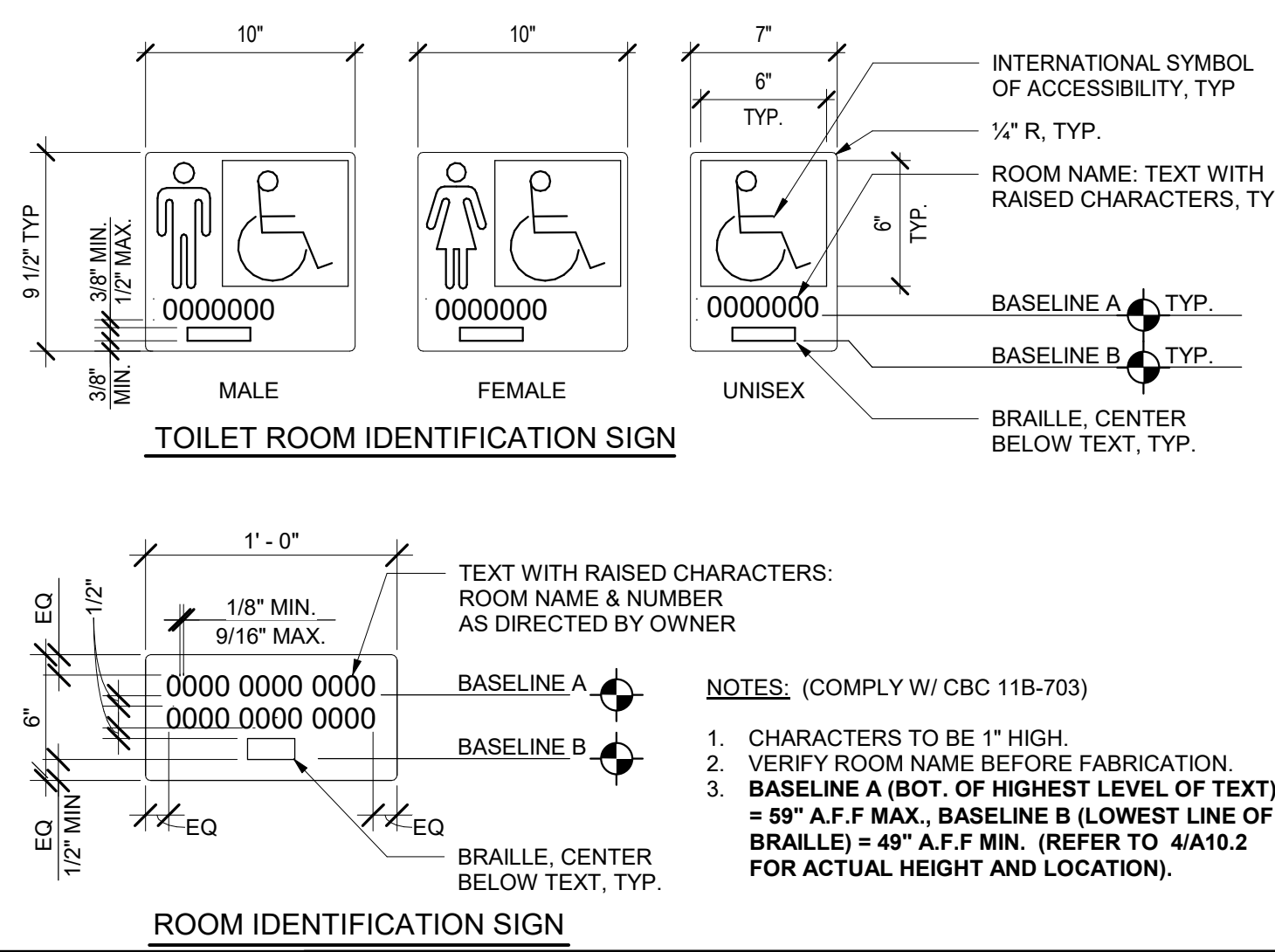
TYPICAL GRAB BAR AT WALL

8
3" = 1'-0"



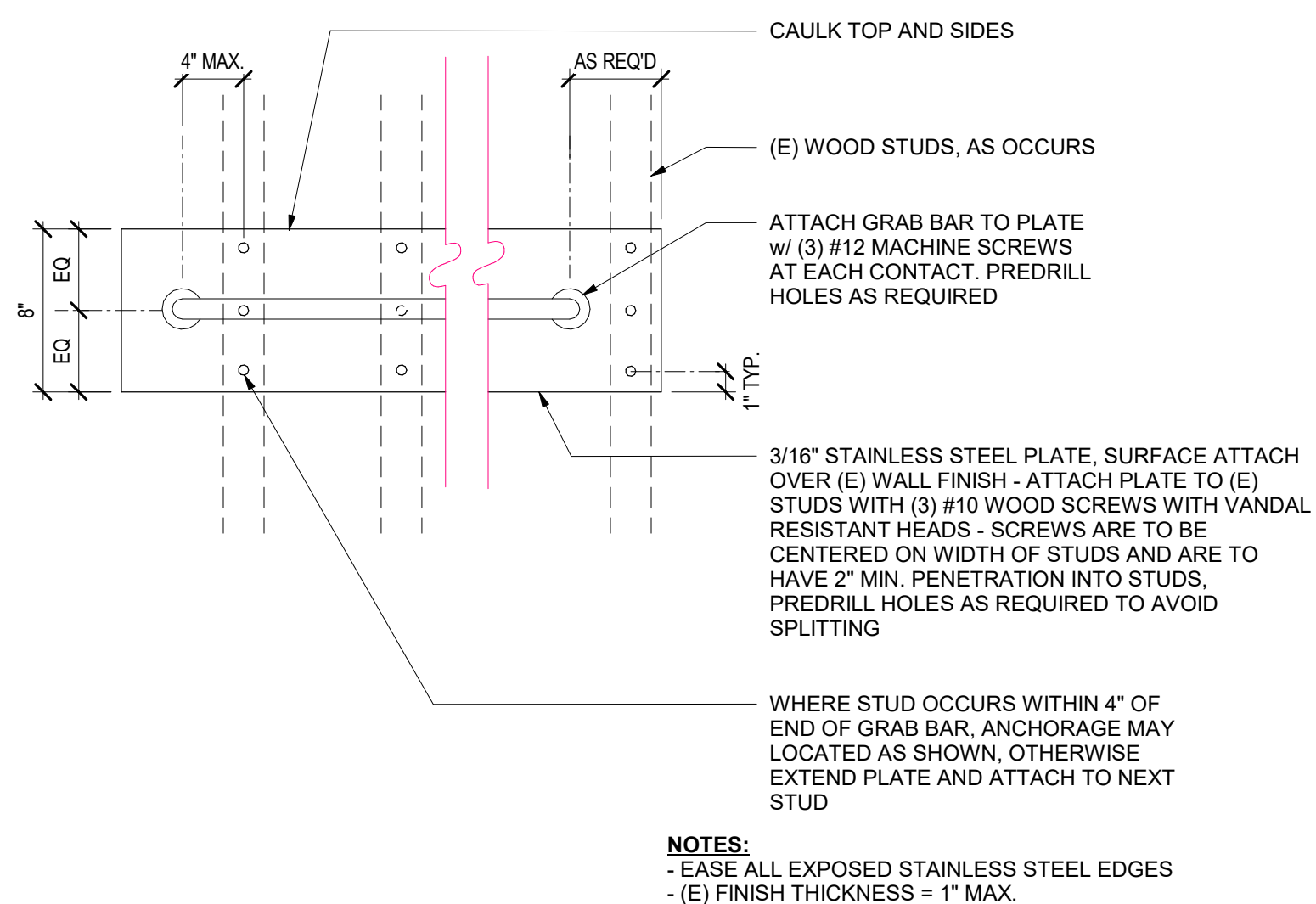
SYMBOL OF ACCESSIBILITY

6
1:1



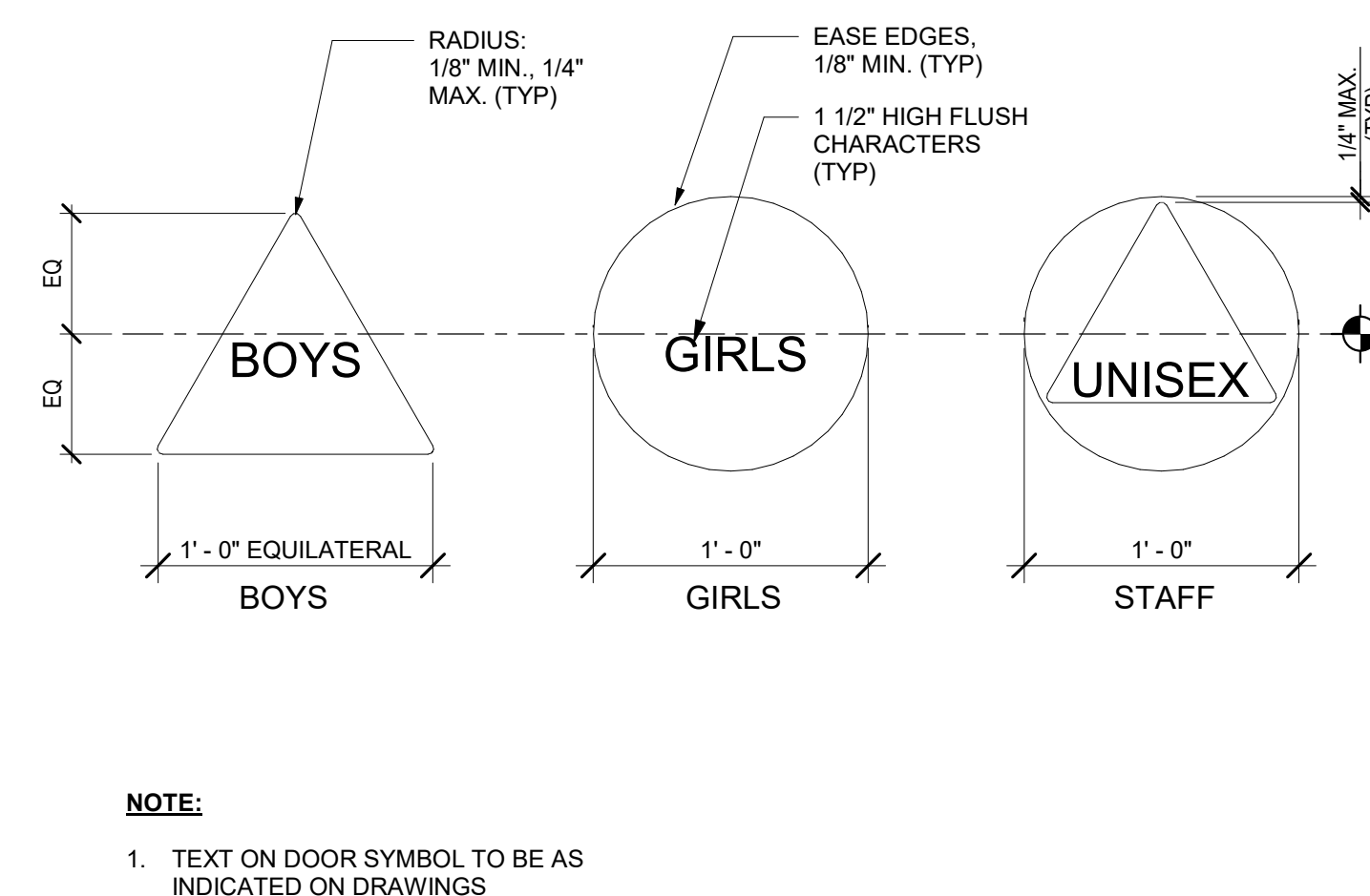
IDENTIFICATION SIGNS

2
1 1/2" = 1'-0"



GRAB BAR - STAINLESS STEEL PLATE

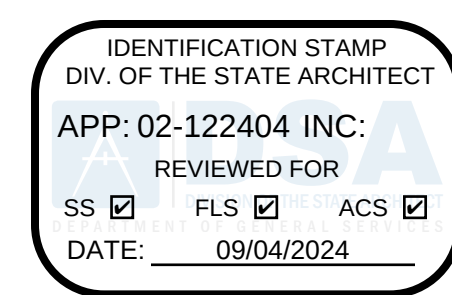
7
1 1/2" = 1'-0"



TOILET ROOM DOOR SYMBOLS

1
1 1/2" = 1'-0"

AGENCY APPROVAL:



HMC Architects

R221551X00

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION DATE

KEYNOTES

- 10.041 SIGNAGE: ROOM IDENTIFICATION
10.042 SIGNAGE: TACTILE EXIT
10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
10.122 TOILET ACCESSORY: GRAB BAR
10.140 TOILET ACCESSORY: MIRROR
10.141 TOILET ACCESSORY: PAPER TOWEL DISPENSER
10.142 TOILET ACCESSORY: SANITARY NAPKIN DISPOSAL
10.143 TOILET ACCESSORY: SANITARY NAPKIN DISPENSER
10.144 TOILET ACCESSORY: SOAP DISPENSER
10.145 TOILET ACCESSORY: TOILET PAPER DISPENSER
10.146 TOILET ACCESSORY: TOILET SEAT COVER DISPENSER
22.040 WATER CLOSET
22.041 MANUALLY OPERATED CONCEALED FLUSH VALVE
22.042 URINAL

FACILITY:
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL
3220 BUDDY HOLLY DRIVE
STOCKTON, CA 95212

PROJECT:
GEORGE LINCOLN MOSHER ELEMENTARY SCHOOL LUNCH SHELTER

SHEET NAME:
TYPICAL MOUNTING HEIGHTS AND DETAILS

CONSTRUCTION DOCUMENTS

DATE: 06/04/19 CLIENT PROJ NO:

SHEET:

A10.2

PLEASE RECYCLE

STRUCTURAL SEPARATION		DEFLECTIONS ARE FOR (1) STRUCTURE			
ALL DEFLECTIONS SHOWN ALSO INCLUDE THE P-DELTA ROTATION PER IRC-7		SOIL CLASSES PER CBC TABLE 1806A.2			
MAXIMUM DRIFT	δ_{max}	SIDE COLUMNS	<u>Soil Class 5</u>	<u>Soil Class 4</u>	<u>Soil Class 3</u>
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.40	[] 2.55	[] 2.65
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[x] 2.15	[] 2.30	[] 2.40
40' WIDE (8' EAVE + T, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.20	[] 2.20	[] 2.30
MINIMUM SEPARATION	$(\delta_m = C_d \delta_{max})$	$C_d = 1.25$			
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 3.00	[] 3.19	[] 3.31
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[x] 2.69	[] 2.88	[] 3.00
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.75	[] 2.75	[] 2.88
MAXIMUM DRIFT	δ_{max}	END COLUMNS	<u>Soil Class 5</u>	<u>Soil Class 4</u>	<u>Soil Class 3</u>
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.40	[] 2.55	[] 2.65
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[x] 2.15	[] 2.30	[] 2.40
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.20	[] 2.20	[] 2.30
MINIMUM SEPARATION	$(\delta_m = C_d \delta_{max})$	$C_d = 1.25$			
20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 3.00	[] 3.19	[] 3.31
30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[x] 2.69	[] 2.88	[] 3.00
40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT)	(INCHES)		[] 2.75	[] 2.75	[] 2.88

GENERAL:

1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C., TITLE 24, AND ALL STATE AND FEDERAL REGULATIONS.
3. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS, ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISIT TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
6. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS, EXCEPT AS AMENDED BY CBC CHAPTER 35.
7. CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
8. THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
10. THE SCHOOL DISTRICT INSPECTOR ON RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
11. SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS.
12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
13. MEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 KSI, GRADE B OR A501 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A-500, GRADE B (OR C), Fy = 46 KSI MIN.
4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESS CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
5. ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A-36, Fy = 36 KSI.
6. ALL PLATE STEEL SHALL CONFORM TO ASTM A-572, Fy= 50 KSI.
7. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A-653, CS = TYPE B, Fy = 50 KSI Fu = 65 KSI
8. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
9. ALL ROOF DECKS SHALL HAVE KYNAR 500 METAL COATING.
10. ALL ROOF DECKS SHALL CONFORM TO ASTM A-792, Fy = 50 KSI.
11. ALL BASE CONNECTIONS ARE A PART OF THE LATERAL FORCE RESISTING SYSTEM

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

1. PER TITLE 24, PART 1, SECTION 4-316(e) OF THE CALIFORNIA CODE OF REGULATIONS, THIS NOTICE SHALL BE GIVEN TO DSA PRIOR TO THE APPROVAL OF PLANS AND SPECIFICATIONS.
2. FOR THE SITE SPECIFIC PROJECT, J. R. MILLER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
3. FOR THE SITE SPECIFIC PROJECT, J.R. MILLER & ASSOCIATES' RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC ONLY.
4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM J.R. MILLER & ASSOCIATES' RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT.
5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE BUT ARE NOT LIMITED TO, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF OF THE VERIFIED REPORT FOR COMPLETED WORK.
6. J.R. MILLER & ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

CONSTRUCTION NOTES

1. A DSA-CERTIFIED CLASS 3 (MINIMUM) PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS ARE THAT ALL THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK, (SECTION 4-317(c), PART 1, TITLE 24, CCR)
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

WELDING:

1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.
2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 ft-lb @ (0° F).
3. ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
4. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE HOT DIPPED GALVANIZED ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS (UNO), WITH THE NUTS CONFORMING TO HOT DIPPED GALVANIZED ASTM A-563 GRADE DH.
2. HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1.
3. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS -- INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
4. HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F-436.
5. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-16 J7; AISC 360-16 N5.6.
a) PRETENSIONED JOINTS MUST BE INSTALLED AND INSPECTED TO MEET ONE OF THE FOLLOWING REQUIREMENTS:
 1. TURN-OF-NUT PRETENSIONING: PER SECTION 8.2.1 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, WASHERS ARE NOT REQUIRED FOR THIS METHOD, THE NUT OR HEAD SHALL BE ROTATED AS SPECIFIED IN TABLE 8.2. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
 2. CALIBRATED WRENCH: PER THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, WASHERS ARE REQUIRED (NOT SUPPLIED BY ICON) THESE SHALL BE INSTALLED PER THE INSTALLATION TORQUE DETERMINED IN THE PRE-INSTALLATION VERIFICATION OF THE FASTENER ASSEMBLY PER SECTION 7. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
 3. IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH "PT REQUIRED"
- b) ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF THE SNUG-TIGHTENED JOINTS. SNUG TIGHT CONDITION EXISTS WHEN ALL PILES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL OF THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

FOUNDATIONS:

1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED OTHERWISE. PASSIVE PRESSURE IS ASSUMED TO START 12" BELOW TOP OF FOOTING.
2. PER CBC SECTION 1803A.2, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SIECMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2.
3. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORINGS, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
5. MINIMUM SETBACK FROM TOE OF SLOPE ON AN ASCENDING SLOPE SHALL BE 15 FEET AND MINIMUM SETBACK FROM TOE OF SLOPE ON A DESCENDING SLOPE SHALL BE 40 FEET
6. PER CBC SECTION 1803A.6, GEOHAZARD REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SIECMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS.
7. GEOHAZRD REPORTS ARE TO COMPLY WITH DSA IR A-4 PER IR-7 SECTION 1.8
8. SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION IF USING OTHER THAN CLASS 5 SOIL, PER DSA IR PC-7
9. LATERAL BEARING HAS BEEN INCREASED PER CBC 1806A.3.4 FOR THE 1/2" DEFLECTION & HAS BEEN DESIGNED FOR P-DELTA EFFECTS. NO 1/3 INCREASE HAS BEEN APPLIED.
10. MINIMUM CLEARANCE BETWEEN PIERS SHALL BE 8'-0".

CONCRETE:

1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)

STRENGTH P _c (28 DAYS)	W/C RATIO (NON-AIR ENTRAINED)	W/C RATIO (AIR ENTRAINED)	SLUMP (±1")	UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI	0.44	0.35	3"	150 PCF

2. CONCRETE MIX DESIGN PARAMETERS ARE GOOD FOR EXPOSURE CATEGORIES F0, F1 & F2. THE AIR ENTRAINMENT FOR THESE CATEGORIES SHALL BE AS FOLLOWS: F0-0, F1-4.5, F2-6
3. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA.
4. AGGREGATES SHALL CONFORM TO THE ASTM C-33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.005. MAX AGGREGATE SIZE = 1".
5. CEMENT SHALL CONFORM TO ASTM C-150 (TYPE V) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
7. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
8. CONCRETE DURABILITY SHALL BE PER CBC 1904A.1 ACI 318-19, CHAPTER 19.
9. CONCRETE SHALL BE TESTED PER CBC 1903A, TABLE 1705A.3. AND ACI 318-19, SECTION 26.12.
10. NO ADMXTURE SHALL CONTAIN CALCIUM CHLORIDE.

REINFORCING STEEL:

1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS:
GR 60: (#4 BARS AND LARGER)
GR 40: (#3 BARS)
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
3. MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
A. CAST AGAINST EARTH 3"
B. CAST AGAINST FORM BELOW GRADE 2"
C. FORMED SLABS (#11 BAR & SMALLER).....3/4"
D. SLABS ON GRADE (FROM TOP OF SLAB) 1"
4. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
5. REINFORCING SHALL BE LAP SPLICED PER ACI 318-19, SECTION 25.5.
6. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
7. WELDING OF REINFORCING IS NOT ALLOWED.
8. REINFORCING STEEL SHALL BE INSPECTED PER CBC 1705A.3.

POWDER-COAT FINISH SYSTEM:

ALL BUILDINGS THAT HAVE A POWDER-COATED FINISH SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. THE STEEL FRAME (HSS SECTIONS, COLD FORMED & PLATE STEEL) SHALL BE SHOT-BLASTED TO A NEAR WHITE CONDITION PER SSPC-10 SPECIFICATIONS.
2. THE STEEL SHALL BE WASHED IN A ZINC PHOSPHATE IN AN MINIMUM THREE STAGE ELECTRO DEPOSITION PRE-TREATEMENT PROCESS.
3. IMMEDIATELY FOLLOWING PRE-TREATMENT THE STEEL SHALL BE TOTALLY COATED IN AN EPOXY PRIMER TO A UNIFORM THICKNESS OF A MINIMUM OF 0.7 TO 0.9 MILS. THE E-COATING SHALL PROVIDE A MINIMUM OF 1000 HOURS OF SALT SPRAY CORROSION PROTECTION TO THE STEEL.
4. THE STEEL SHALL THEN HAVE A TGC POLYESTER COLOR COAT APPLIED OVER THE E-COATED SURFACE.
5. THE FINISH THICKNESS OF THESE APPLICATIONS SHALL BE A MINIMUM OF 8 TO 12 MILS.
6. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, & COLD FORMED STEEL ETC.) NOT POWDER-COATED SHALL BE PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3{UNLESS NOTED OTHERWISE).

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122404 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024

ICON STD RH/DSA-PC

DRAWN BY JD

DATE 7/25/2023

REV

REV DATE

JRMA
ARCHITECTS ENGINEERS
2700 SATURN ST #100, CA 92621
T. 714.524.1870 F. 714.524.1875
WWW.JRMA.COM

Oct. 04, 2023

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122375 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 10/10/2023

GENERAL INFO

ICON Shelter Systems Inc
DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.
1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
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PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

LS1.1

Application Number: 04-122188	School Name: PC Update	School District: PC Update
DSA File Number:	Increment Number:	Date Created: 2023-04-19 08:36:32

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

KEY TO COLUMNS	
1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

Table 1705A.6, Table 1705A.7, Table 1705A.8		
Application Number:	School Name:	School District:
04-122188	PC Update	PC Update
DSA File Number:	Increment Number:	Date Created:

55. RETAINING WALLS:			
Test or Special Inspection		Type	Performed By
☐	a. Placement, compaction and inspection of backfill.	Continuous	GE* 1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section 52 above).
☐	b. Placement of soil reinforcement and/or drainage devices.	Continuous	* By geotechnical engineer or his or her qualified representative.
☐	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.	
☐	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.	

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13		
Application Number:	School Name:	School District:
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DSA File Number:	Increment Number:	Date Created:

C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):				
Test or Special Inspection		Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

Application Number:	School Name:	School District:
04-122188	PC Update	PC Update
06-1511-Durham	Independent Number:	Date Created:

S1. GENERAL:				
	Test or Special Inspection	Type	Performed By	Code References and Notes
☒	a. Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)

Table 1705A.6, Table 1705A.7, Table 1705A.8		
Application Number: 04-122188	School Name: PC Update	School District: PC Update
DSA File Number:	Increment Number:	Date Created:

A simple line drawing of a triangle, consisting of three straight lines forming a closed shape. The triangle is oriented with one vertex pointing upwards and the base horizontal.

Table 1705A.3: ACP 318-19 Sections 26.12 & 26.13		
Application Number: 04-122188	School Name: PC Update	School District: PC Update
DSA File Number:	Increment Number:	Date Created:

C5. POST-INSTALLED ANCHORS:				
Test or Special Inspection		Type	Performed By	Code References and Notes
☐	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions), ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

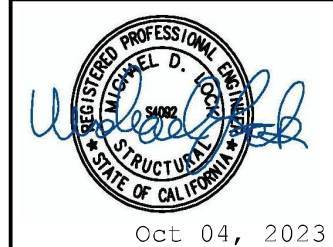
Application Number:	School Name:	School District:
04-122188	PC Update	PC Update
DSA File Number:	Increment Number:	Date Created:

Table 1705A.3: ACI 318-19 Sections 26.12 & 26.13		
Application Number:	School Name:	School District:
04-122188	PC Update	PC Update
DSA File Number:	Increment Number:	Date Created:

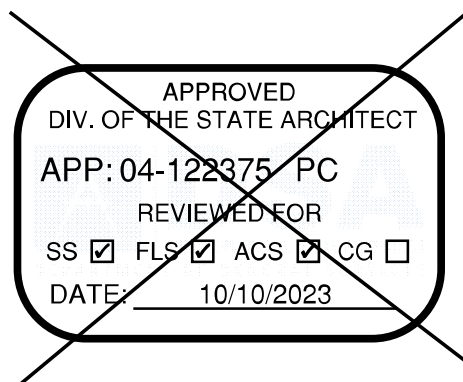
1705A.2.1, Table 1705A.2.1; AISC 303-16; AISC 341-16; AISC 358-16; AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8			
Application Number:	School Name:	School District:	
04-122188	PC Update	PC Update	
DSA File Number:	Increment Number:	Date Created:	
		2023-04-19 08:36:32	

S/A2. HIGH-STRENGTH BOLTS:				
Test or Special Inspection		Type	Performed By	Code References and Notes
☒	a. Verify identification markings and manufacturer's certificates of compliance conforming to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1 & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-6 & DSA IR 17-9.
☒	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213.1; RCSC 2014 Section 7.2; DSA IR 17-8.
☒	c. Bearing-type "snug tight" connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☒	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *Continuous" or "Periodic" depends on the tightening method used.

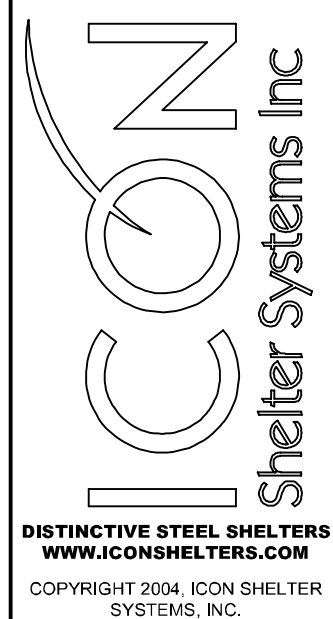
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Oct 04, 2023



DSA 103



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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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S/A3. WELDING:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
☒ a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.	
☒ b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.	
☒ c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.	

S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):				
Test or Special Inspection	Type	Performed By	Code References and Notes	
☒ a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	
☒ b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	
☐ c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.	
☐ d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.	
☐ e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.	

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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Test or Special Inspection		Type	Performed By	Code References and Notes
S/A8. SPRAYED FIRE-RESISTANT MATERIALS:				
Test or Special Inspection		Type	Performed By	Code References and Notes
☐	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
☐	b. Test density.	Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736
☐	c. Bond strength adhesion/cohesion.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E605

S/A9. ANCHOR BOLTS AND ANCHOR RODS:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
☒ a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.	
☐ b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.	

S/A10. STORAGE RACK SYSTEMS:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
☐ a. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Periodic	SI	Table 1705A.13.7	
☐ b. Fabricated storage rack elements.	Periodic	SI	1704A.2.5; Table 1705A.13.7	

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as **exempt** shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

SOILS:	
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/compaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

CONCRETE/MASONRY:	
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspections not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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Test or Special Inspection		Type	Performed By	Code References and Notes
S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):				
Test or Special Inspection		Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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Test or Special Inspection	Type	Performed By	Code References and Notes	
☐ c. Storage rack anchorage installation.	Periodic	SI	ANSI/MHI16.1 Section 7.3.2; Table 1705A.13.7	
☐ d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7; * May be performed by the project inspector when specifically approved by DSA.	

S/A11. Other Steel				
Test or Special Inspection	Type	Performed By	Code References and Notes	
☐ a.				

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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CONCRETE/MASONRY:	
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

WELDING:	
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the "Exception" language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4" above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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Test or Special Inspection		Type	Performed By	Code References and Notes
S/A6. NONDESTRUCTIVE TESTING:				
Test or Special Inspection		Type	Performed By	Code References and Notes
☐	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

S/A7. STEEL JOISTS AND TRUSSES:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
☐ a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material, verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.	

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (OTHER), 2022 CBC

Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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X1. OTHER:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ a. Load test for identified product(s).	Test	LOR	1709A.2, 1709A.3. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
☐ b. Installation torque for non-HS bolts	Continuous	SI*	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
☐ c.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

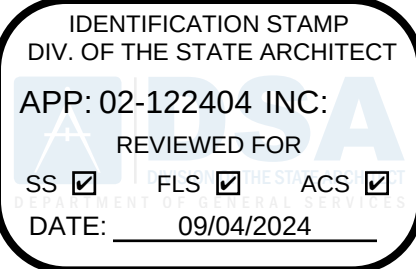
Application Number: 04-122188 DSA File Number:	School Name: PC Update Increment Number:	School District: PC Update Date Created: 2023-04-19 08:36:32
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Name of Architect or Engineer in general responsible charge:	
Name of Structural Engineer (When structural design has been delegated):	
Signature of Architect or Structural Engineer:	Date:

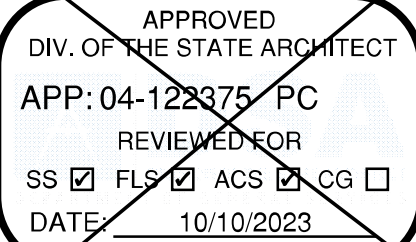
Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

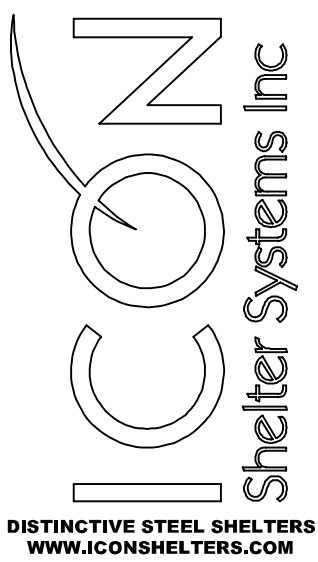
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A separate project application for construction is required.



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DATE	7/25/2023
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REV DATE	

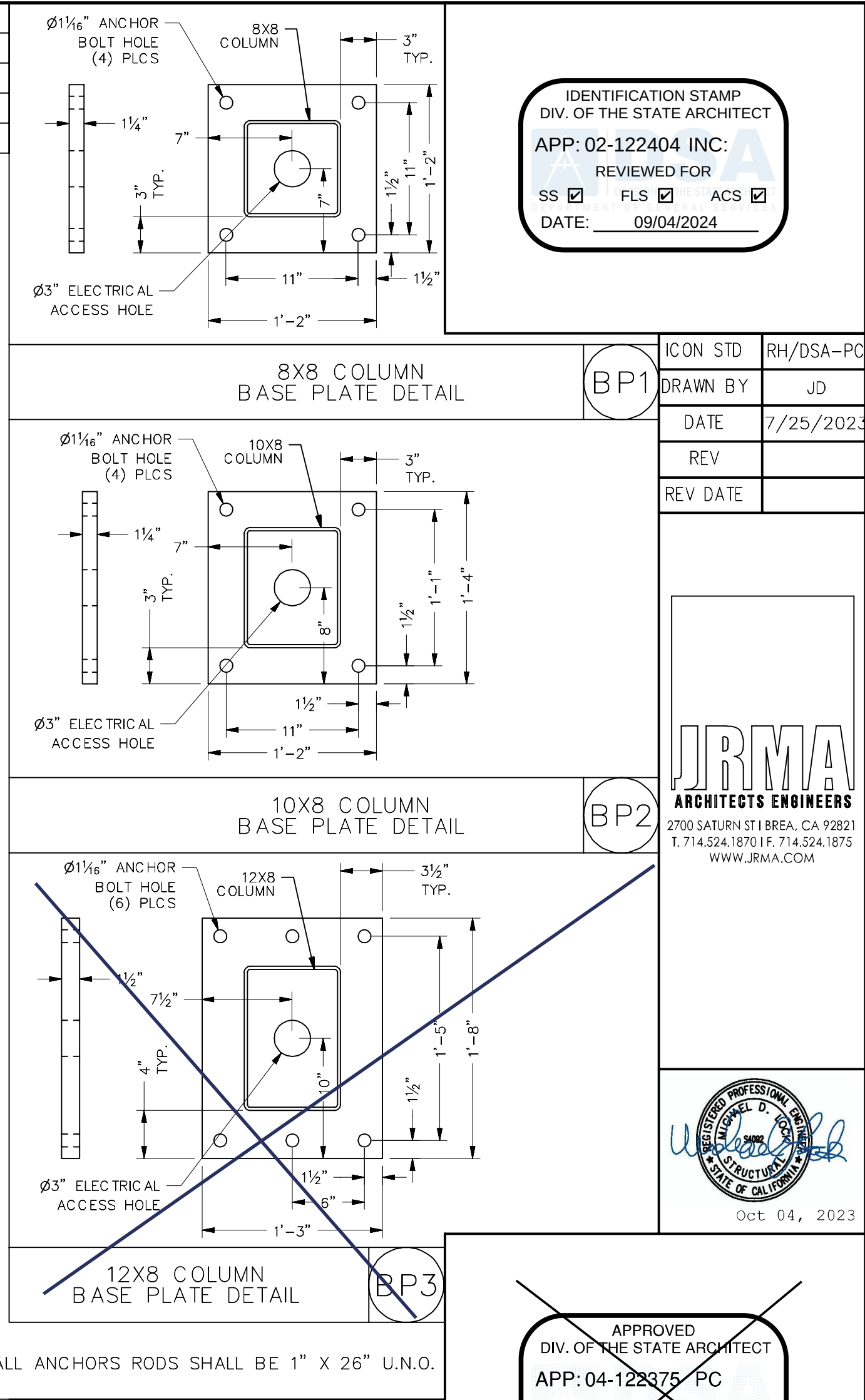
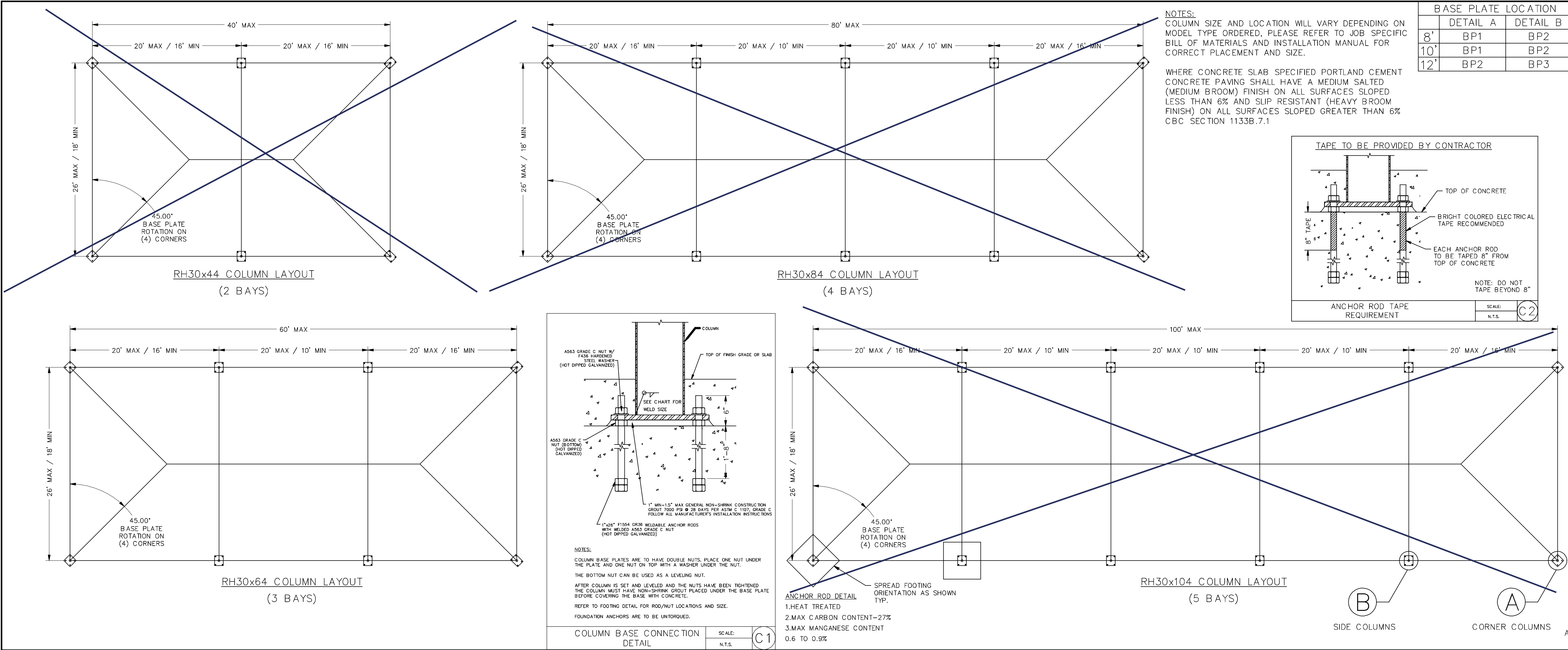


DSA 103



616.396.0919
800.748.0985
616.396.0944 FX

LS1.3



30' WIDE RECTANGULAR HIP

RH30 - PIER

8' height - Corner Columns				8' height - Corner Columns				8' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size
30	114	8	6	30	98	8	6	30	88	8	6

8' height - Side Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size
36	144	12	6	30	132	8	6	30	118	8	6

8' Eave - 1500 psf [] **8' Eave - 2000 psf []** **8' Eave - 3000 psf []**

10' height - Corner Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size
30	120	8	6	30	102	8	6	30	92	8	6

10' height - Side Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size
36	136	12	6	30	116	12	6	30	104	12	6

10' Eave - 1500 psf [x] **10' Eave - 2000 psf []** **10' Eave - 3000 psf []**

12' height - Corner Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size
30	132	8	6	30	112	8	6	30	102	8	6

12' height - Side Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Vertical Rebar Qty	Rebar Size
36	140	12	6	30	120	12	6	30	108	12	6

10' Eave - 1500 psf [] **10' Eave - 2000 psf []** **10' Eave - 3000 psf []**

RH30 - SPREAD

8' height - Corner Columns				8' height - Corner Columns				8' height - Corner Columns			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size
60	30	8	6	57	30	7	6	57	30	7	6

8' height - Side Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size
84	30	11	6	81	30	10	6	75	30	10	6

8' Eave - 1500 psf [] **8' Eave - 2000 psf []** **8' Eave - 3000 psf []**

10' height - Corner Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size
66	30	9	6	63	30	8	6	63	30	8	6

10' height - Side Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size
81	30	10	6	75	30	10	6	75	30	10	6

10' Eave - 1500 psf [] **10' Eave - 2000 psf []** **10' Eave - 3000 psf []**

12' height - Corner Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size
78	30	10	6	78	30	10	6	72	30	9	6

12' height - Side Columns

Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (in)	T&B Rebar Qty	Rebar Size
84	30	11	6	78	30	10	6	78	30	10	6

12' Eave - 1500 psf [] **12' Eave - 2000 psf []** **12' Eave - 3000 psf []**

8' - Corner Columns

Tie Dimensions				Weld	
B (in)	C (in)	Rebar Size	Fillet Weld "W"	Rebar Size	Fillet Weld "W"
16	17.5	5	3/4		

8' - Side Columns

Tie Dimensions				Weld	
B (in)	C (in)	Rebar Size	Fillet Weld "W"	Rebar Size	Fillet Weld "W"
16	19.5	5	3/4		

8' Eave - Rebar & Weld

8' - Corner Columns

Tie Dimensions				Weld	
B (in)	C (in)	Rebar Size	Fillet Weld "W"	Rebar Size	Fillet Weld "W"
16	17.5	5	3/4		

10' - Side Columns

Tie Dimensions				Weld	
B (in)	C (in)	Rebar Size	Fillet Weld "W"	Rebar Size	Fillet Weld "W"
16	19.5	5	5/16		

10' Eave - Rebar & Weld

12' - Corner Columns

Tie Dimensions				Weld	
B (in)	C (in)	Rebar Size	Fillet Weld "W"	Rebar Size	Fillet Weld "W"
16	19.5	5	5/16		

12' - Side Columns

Tie Dimensions				Weld	
B (in)	C (in)	Rebar Size	Fillet Weld "W"	Rebar Size	Fillet Weld "W"
17	21.5	5	3/4		

12' Eave - Rebar & Weld

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE BP3 IS A (6) BOLT

SEISMIC TIE HOOK DETAIL

FOOTING DIAMETER (A)

VERTICAL REINFORCING SEE CHART FOR SIZE AND QTY

NOTE: HOLE IN BASE PLATE FOR CONDUIT IS CENTERED ON BASE PLATE

VERTICAL TENSION TIE ONE ON EACH SIDE OF EACH ANCHOR

COLUMN-SEE FRAME ELEVATION FOR SIZING

FILL WITH NON-SHRINKING GROUT SEE DETAIL C1

TOP OF FINISHED FLOOR

2" MIN TOP COVER.

#4 HORIZONTAL TIES (3) TIES IN THE TOP 5"

SEE DETAIL C2 FOR TAPING REQUIREMENTS

CONDUIT RETURN MUST BE BELOW DEPTH OF ANCHOR RODS & CENTERED BETWEEN HORIZONTAL TIES MINIMUM 1-1/2" COVER BETWEEN CONDUIT & REBAR

CONDUIT BY OTHERS (MAX 1-1/2" DIA. CONDUIT)

#4 HORIZONTAL TIES 4-1/2" O.C. EQUALLY SPACED

3" MIN SIDE AND BOTTOM COVER.

FOOTING DEPTH (B)

FOOTING DIAMETER (A)

30' WIDE RECTANGULAR HIP FOUNDATION PLAN

ONE-PIECE CLOSED TIE

REBAR EQUALLY SPACED TOP & BOTTOM SEE CHART FOR SIZE & QTY

NOTE: HOLE IN BASE PLATE FOR CONDUIT IS CENTERED ON BASE PLATE

COLUMN TO BASE PLATE

COLUMN

FILL WITH NON-SHRINKING GROUT SEE DETAIL C1

TOP OF FINISHED FLOOR

2" MIN TOP COVER.

(3) #4 HORIZONTAL TIES IN TOP 5"

3" MIN SIDE AND BOTTOM COVER.

CONDUIT RETURN MUST BE BELOW DEPTH OF ANCHORS RODS CONDUIT BY OTHERS (MAX 2" DIA. CONDUIT)

SEE DETAIL C2 FOR TAPING REQUIREMENTS

STANDARD HOOK

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

Shelter Systems Inc

DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM

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1455 LINCOLN AVE HOLLAND MI, 49423

616.396.0919
800.748.0985
616.396.0944 FX

LS3.0

PRINTED ON :

ALL STRUCTURAL FASTENERS (NUTS, BOLTS, & WASHERS)
ON THIS SHEET TO BE HOT DIPPED GALVANIZED

CORNER RAFTER
(HSS8X8X1/4)

EAVE BEAM
(HSS8X4X3/16)

EB1 PL 3/8"
SEE DETAIL 12

CORNER COLUMN
BELOW

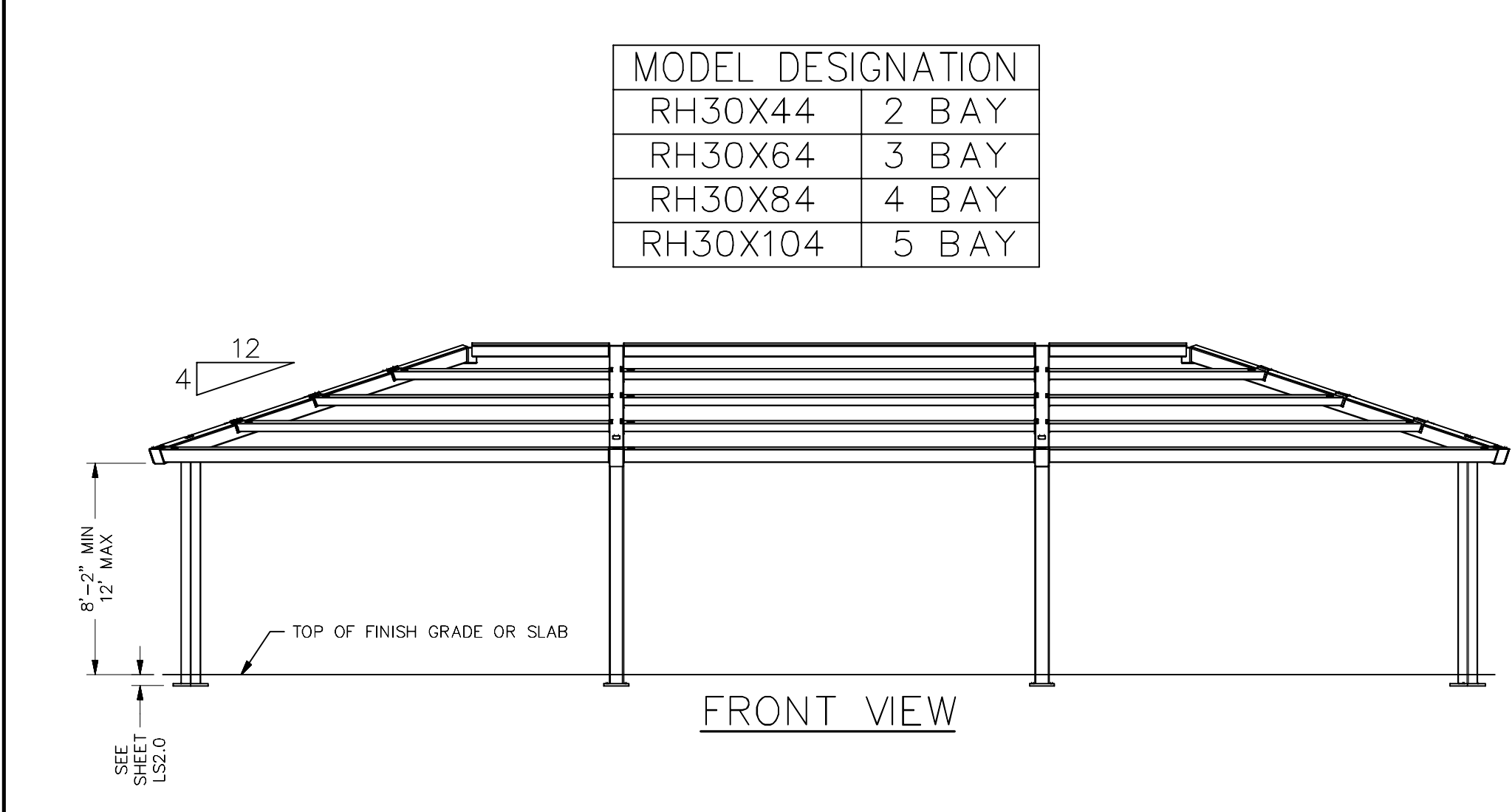
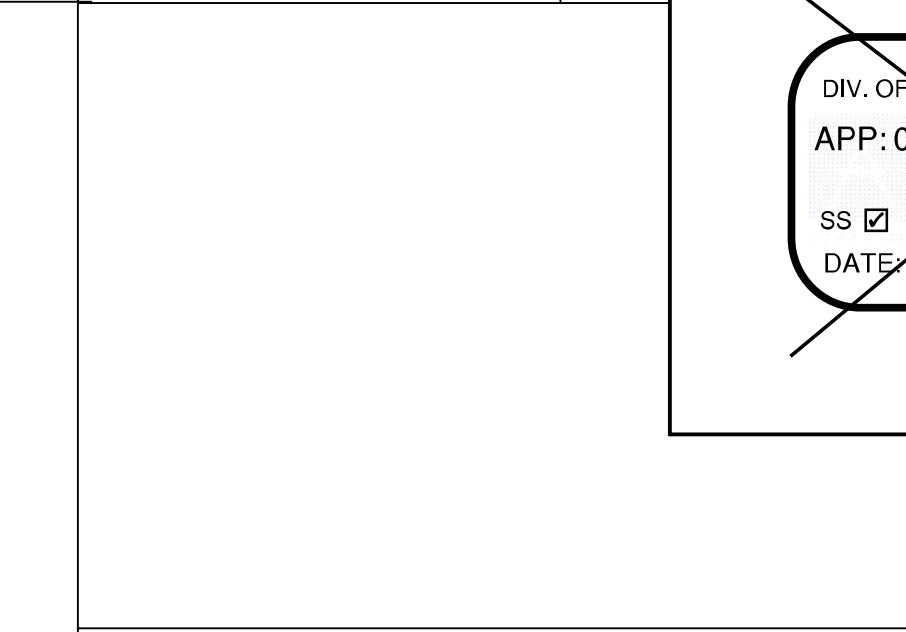
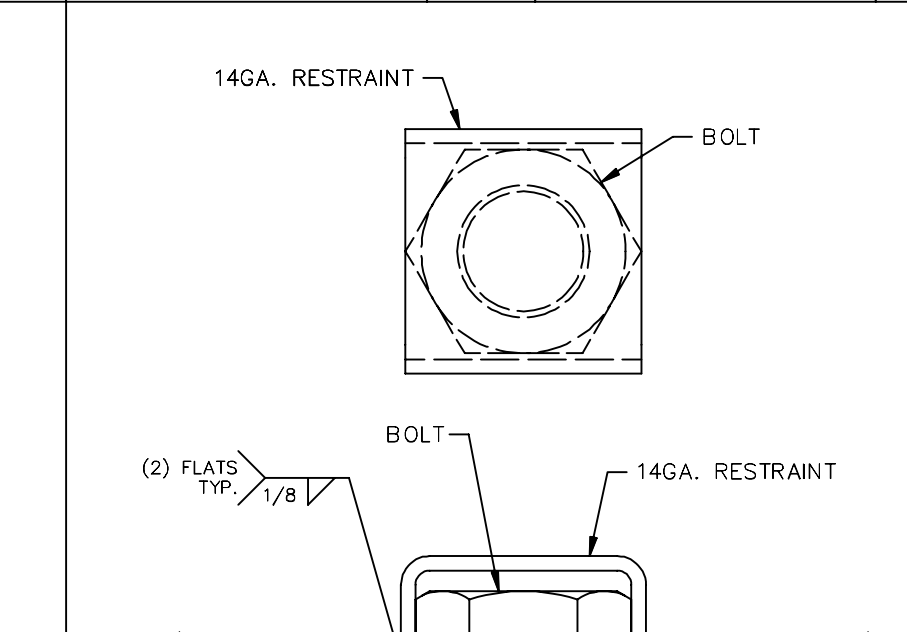
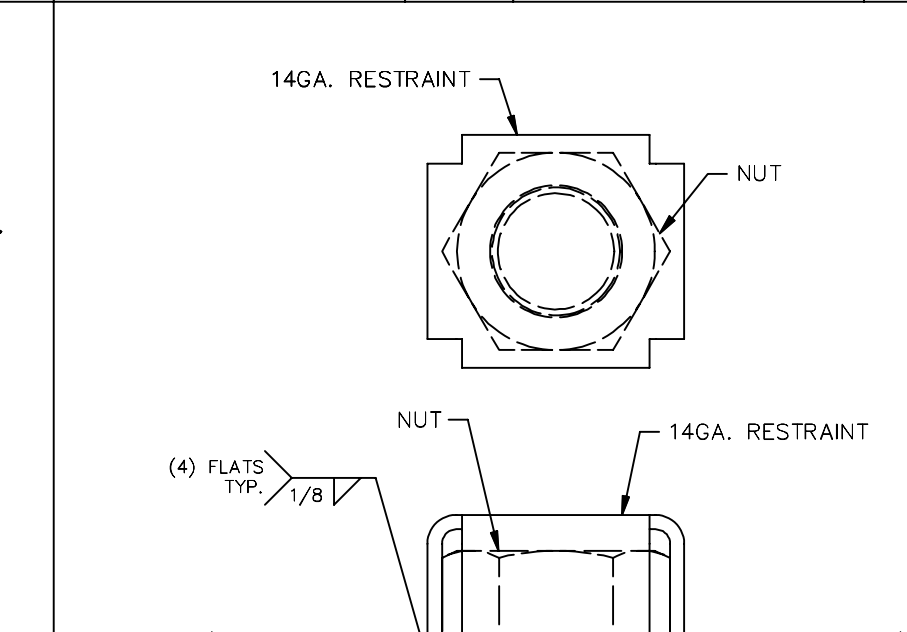
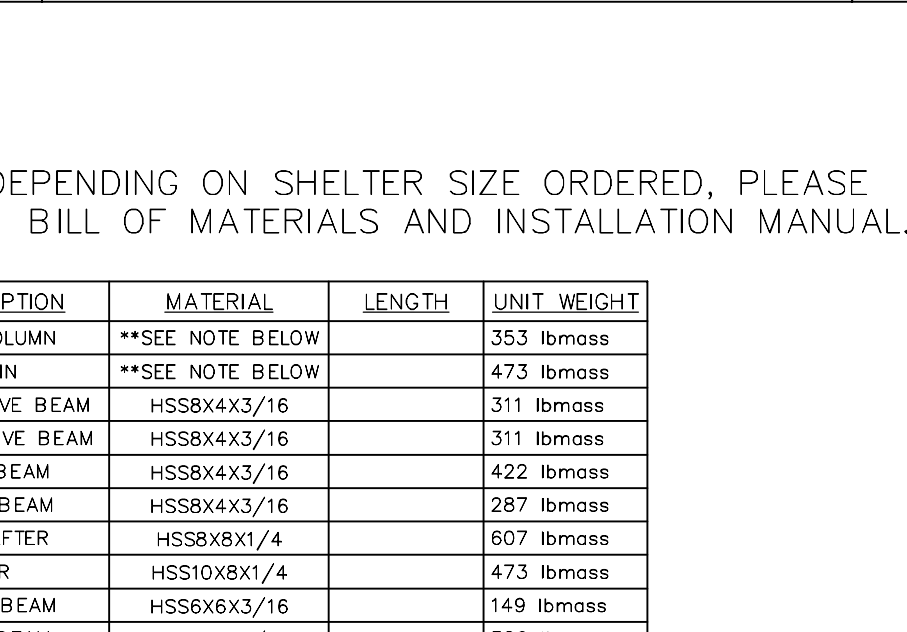
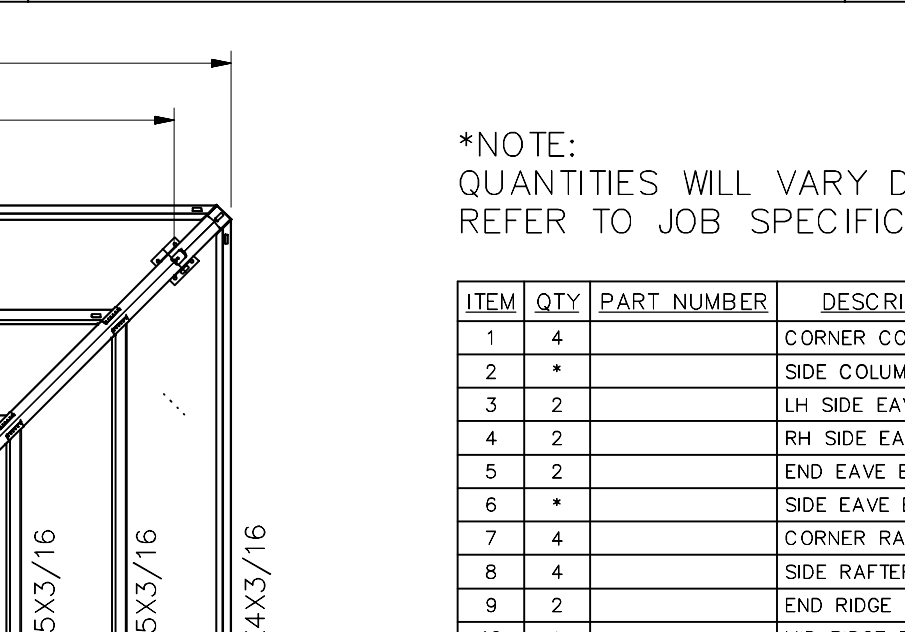
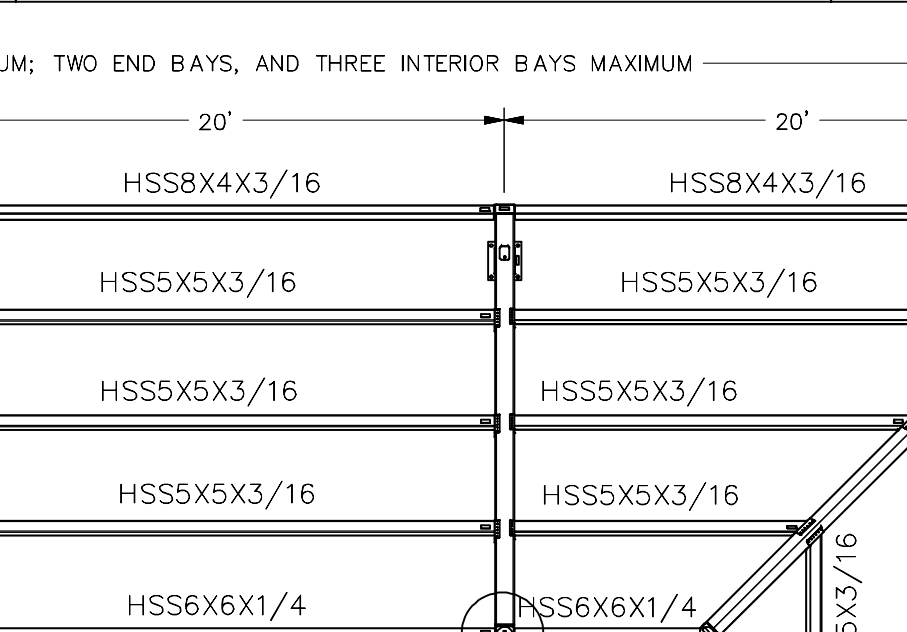
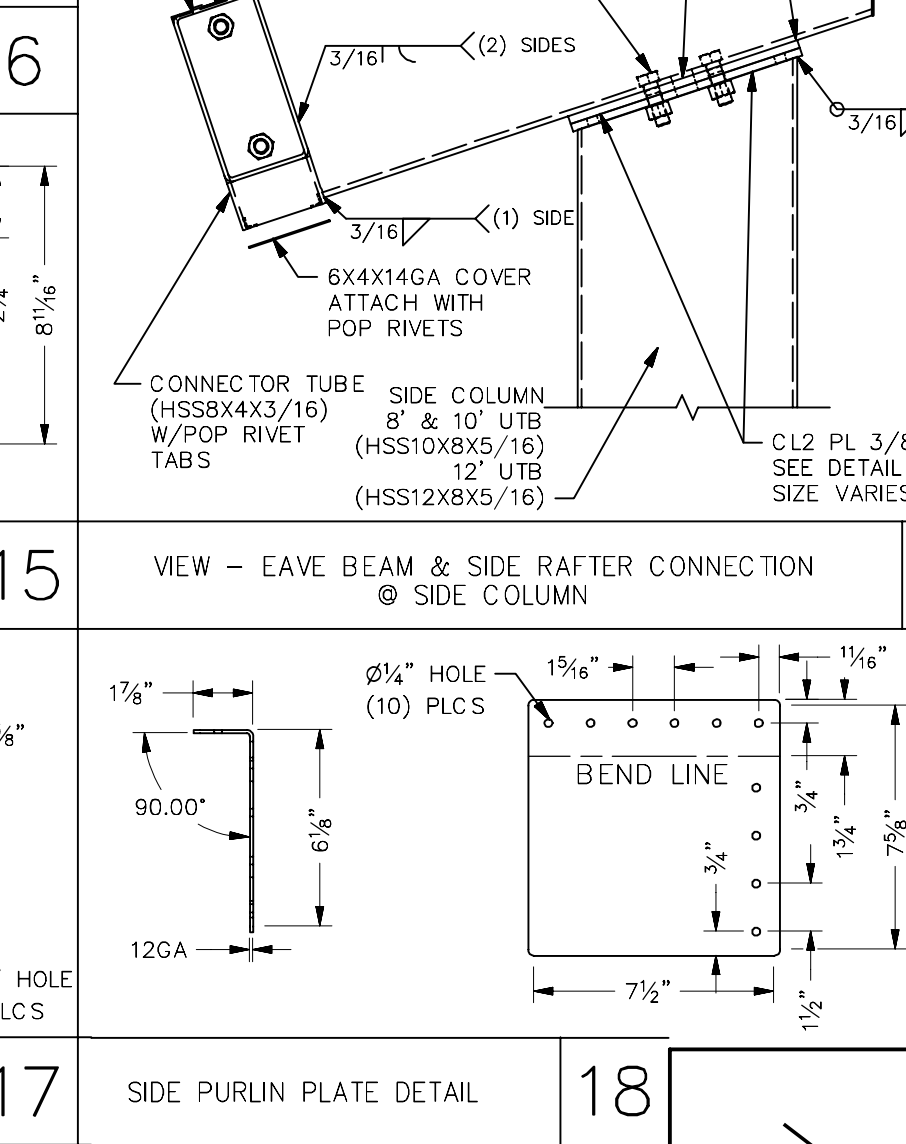
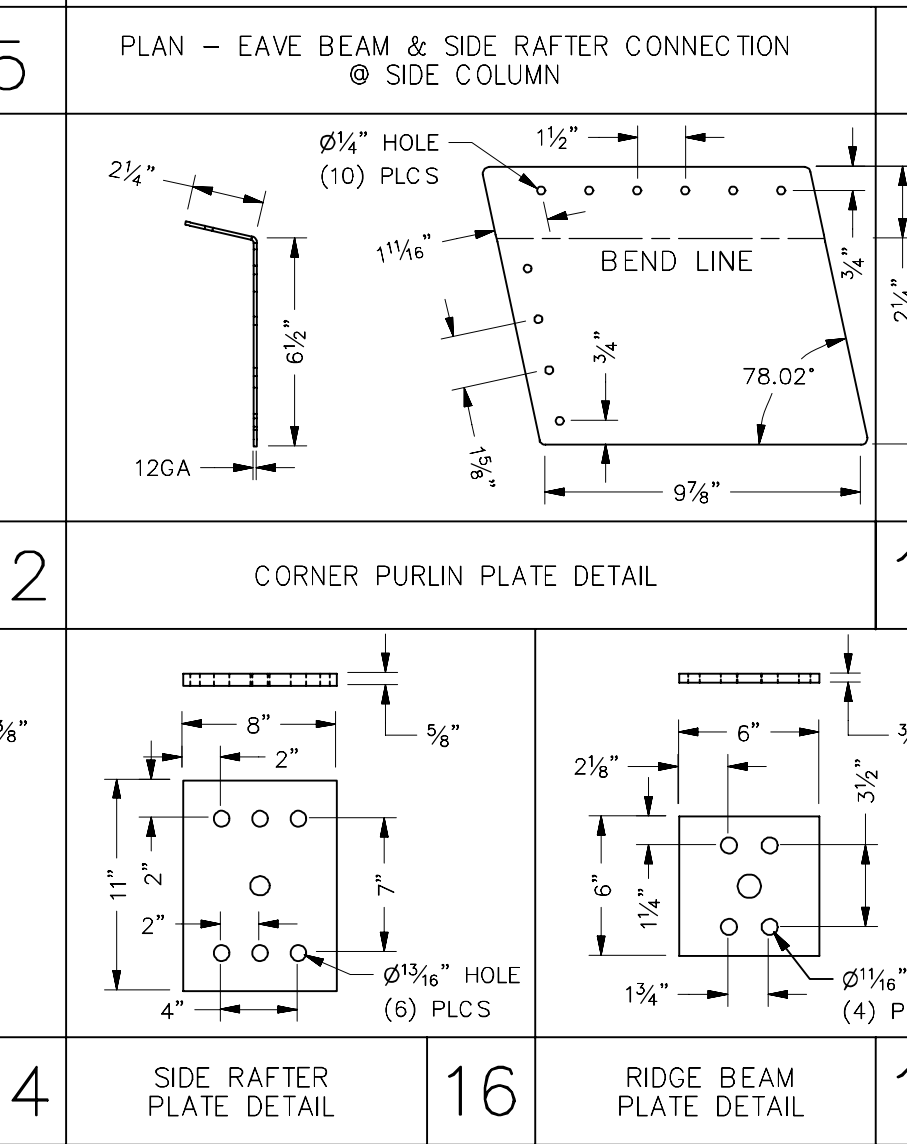
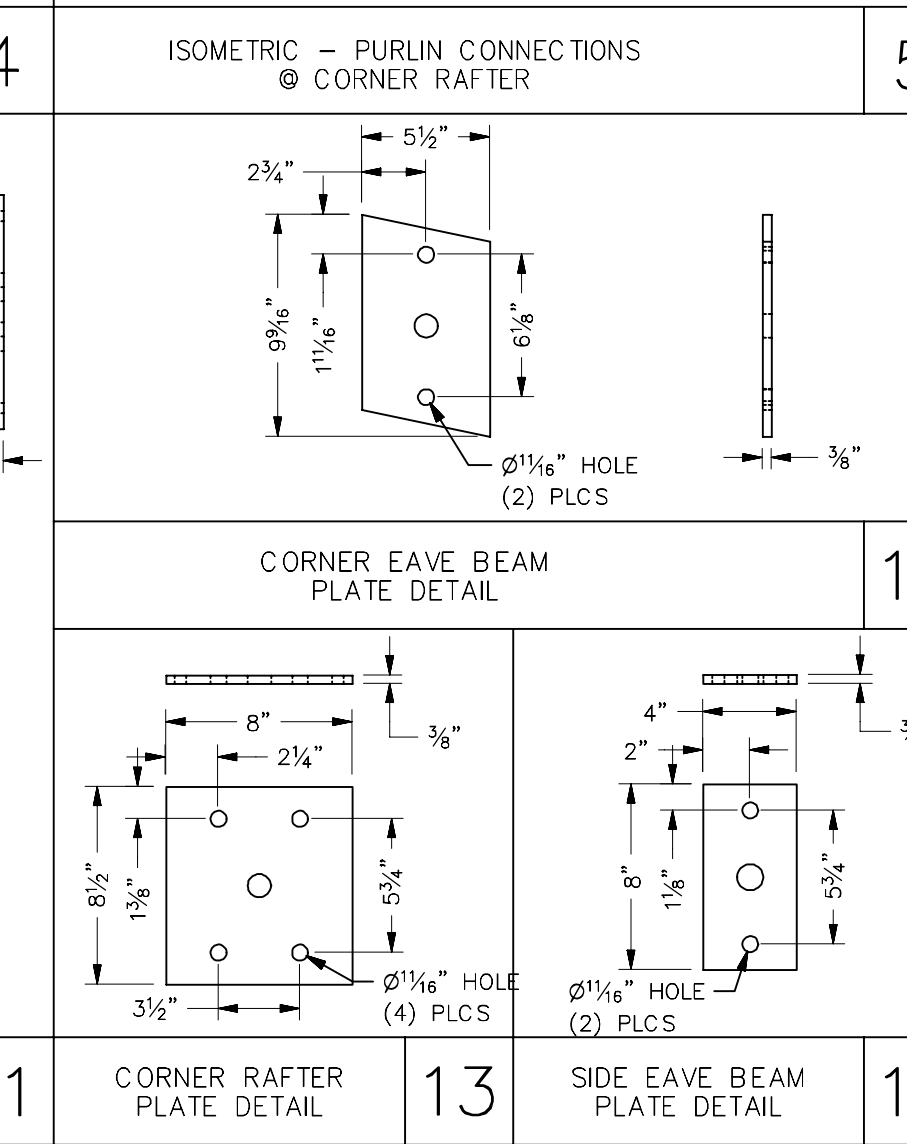
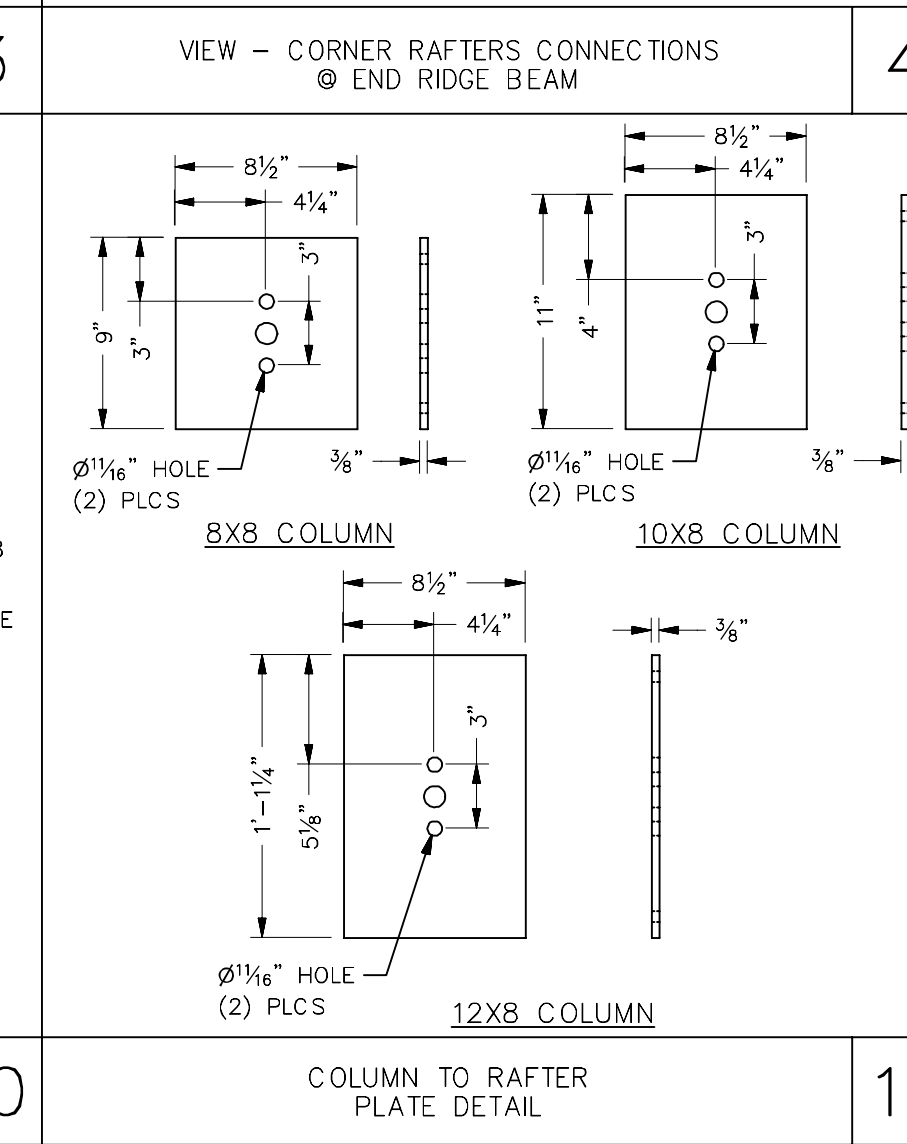
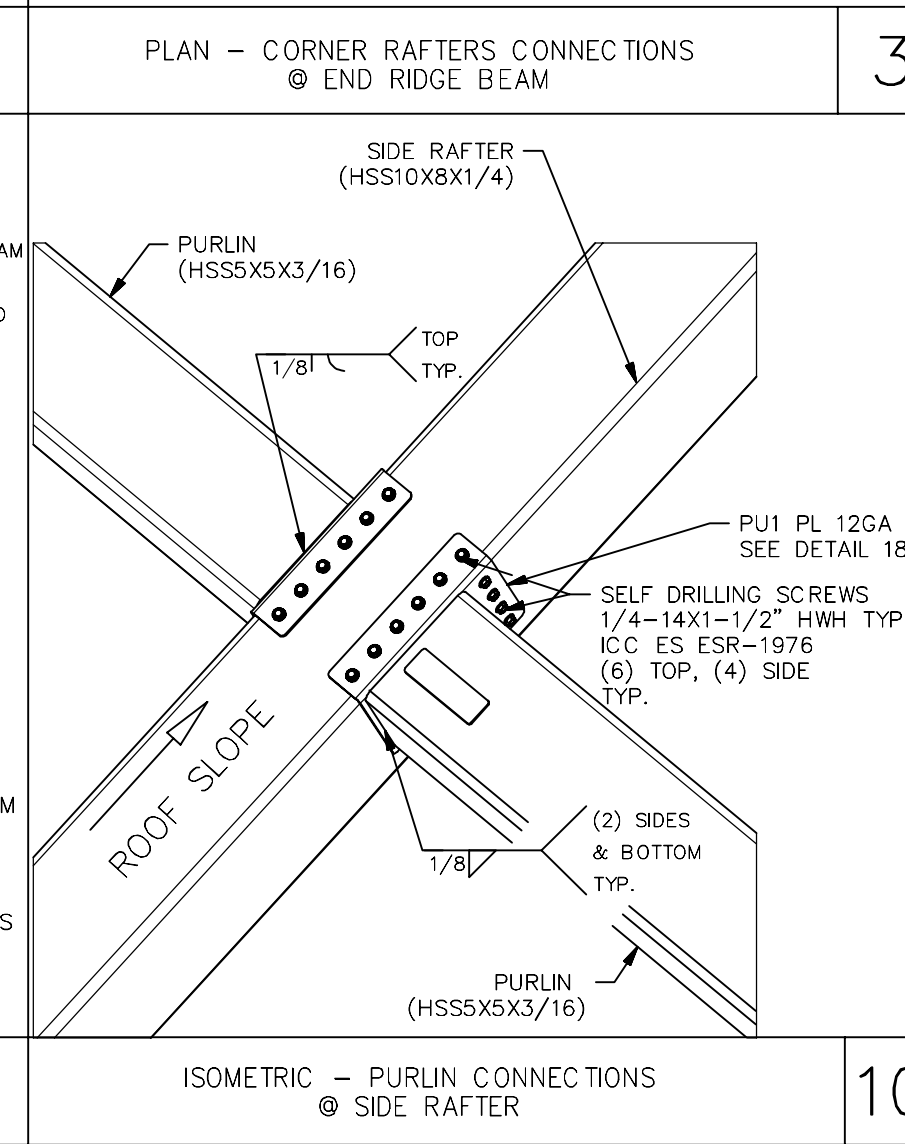
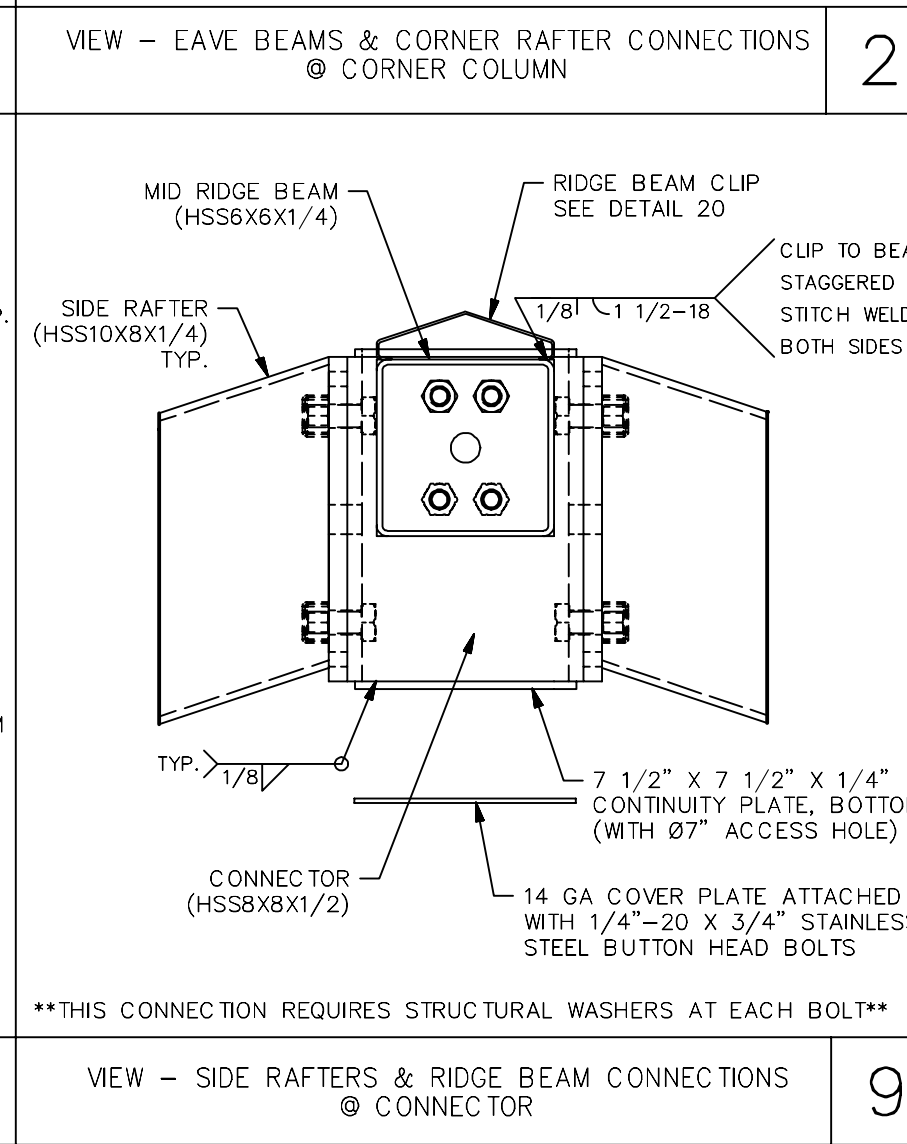
6X4 ACCESS HOLE
IN CLIP AND TUBE

EAVE BEAM
(HSS8X4X3/16)

5/8" X 1-1/2" BOLT
(2) PLGS EACH
CONNECTION
ATTACH THROUGH
BOTTOM OF CONNECTOR

EAVE CT (HSS8X6X3/16)
WELDED TO RAFTER
W/ COVER PL ON TOP

1/8" TYP.

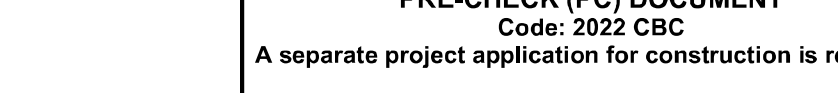
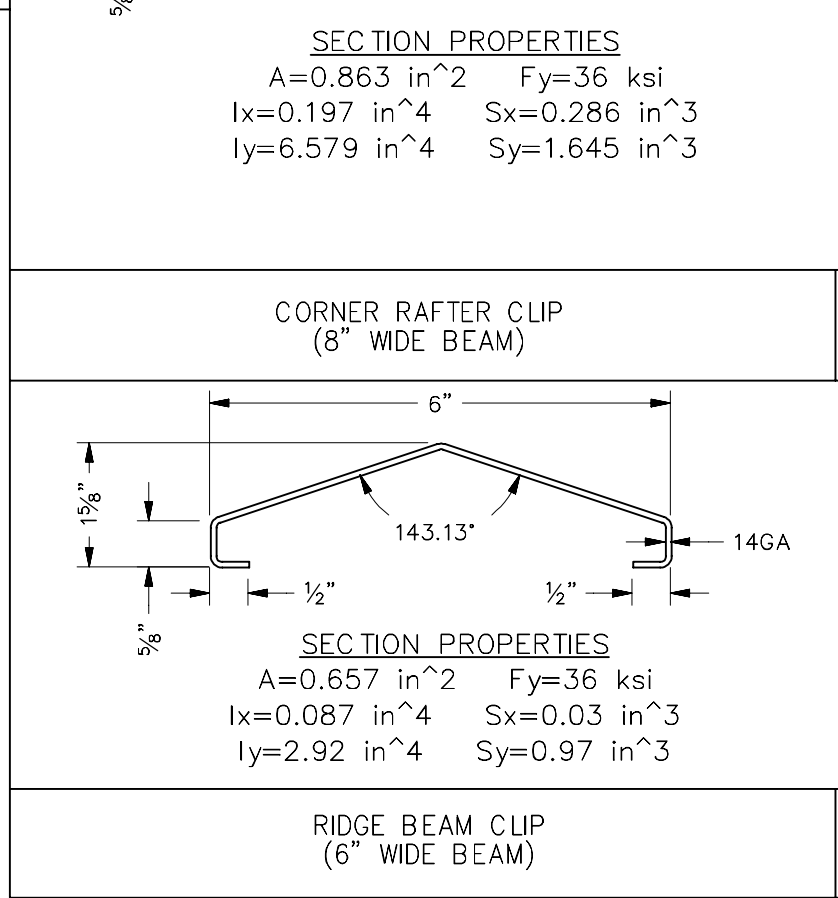
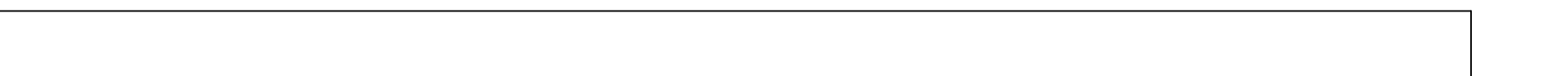
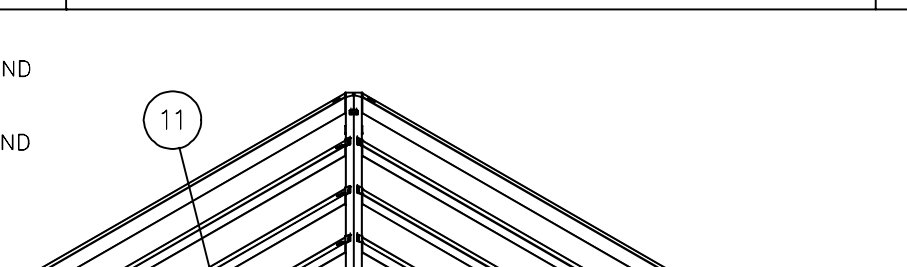
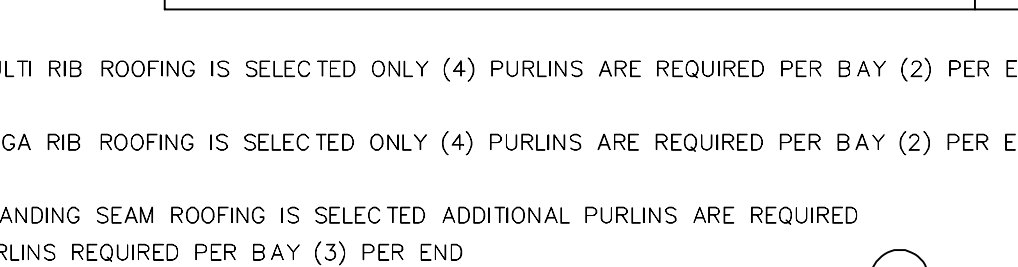


ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		CORNER COLUMN	**SEE NOTE BELOW		353 lbmoss
2	*		SIDE COLUMN	**SEE NOTE BELOW		473 lbmoss
3	2		LH SIDE EAVE BEAM	HSSB4x3/16		311 lbmoss
4	2		RH SIDE EAVE BEAM	HSSB4x3/16		311 lbmoss
5	2		END EAVE BEAM	HSSB4x3/16		422 lbmoss
6	*		SIDE EAVE BEAM	HSSB4x3/16		287 lbmoss
7	4		CORNER RAFTER	HSSB4X1/4		607 lbmoss
8	4		SIDE RAFTER	HSSB4X1/4		473 lbmoss
9	2		END RIDGE BEAM	HSSB6x3/16		149 lbmoss
10	*		MID RIDGE BEAM	HSSB6x3/16		329 lbmoss
11	*		CONNECTOR	HSSB4X1/2		48 lbmoss
12	*		LH SIDE PURLIN 1	HSS55x3/16		210 lbmoss
13	*		RH SIDE PURLIN 1	HSS55x3/16		210 lbmoss
14	*		END PURLIN 1	HSS55x3/16		257 lbmoss
15	*		LH SIDE PURLIN 2	HSS55x3/16		166 lbmoss
16	*		RH SIDE PURLIN 2	HSS55x3/16		166 lbmoss
17	*		END PURLIN 2	HSS55x3/16		169 lbmoss
18	*		LH SIDE PURLIN 3	HSS55x3/16		122 lbmoss
19	*		RH SIDE PURLIN 3	HSS55x3/16		122 lbmoss
20	*		END PURLIN 3	HSS55x3/16		81 lbmoss
21	*		MID PURLIN	HSS55x3/16		235 lbmoss

CORNER COLUMN 8' UTB - (HSS8X8X1/4)
SIDE COLUMN 8' UTB - (HSS10X8X5/16)

CORNER COLUMN 10' UTB - (HSS8X8X1/4)
SIDE COLUMN 10' UTB - (HSS10X8X5/16)

CORNER COLUMN 12' UTB - (HSS10X8X5/16)
SIDE COLUMN 12' UTB - (HSS12X8X5/16)

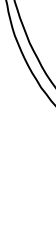


ICON STD	RH/DSA-PC
DRAWN BY	JD
DATE	7/25/2023
REV	
REV DATE	



 Oct 04, 2023

30' WIDE
RECTANGULAR HIP
FRAMING &
CONNECTION DETAILS

The logo for ICON Shelter Systems Inc. features the word "ICON" in a large, stylized, outlined font. The "I" is a simple vertical line. The "C" is a large, open circle. The "O" is a smaller circle with a horizontal line through its center. The "N" is a tall, narrow shape with a diagonal line. To the right of "ICON", the words "Shelter Systems Inc." are written in a smaller, sans-serif font, with "Shelter" on the top line, "Systems" on the second line, and "Inc." on the third line. Below the logo, the text "DISTINCTIVE STEEL SHELTERS" is written in a bold, sans-serif font, followed by the website "WWW.ICONSHELTERS.COM". Below that, the text "COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC." is written in a smaller, sans-serif font. At the bottom, the address "1455 LINCOLN AVE" and "HOJLAND MI 49423" is written in a bold, sans-serif font.

ICON Shelter Systems Inc.

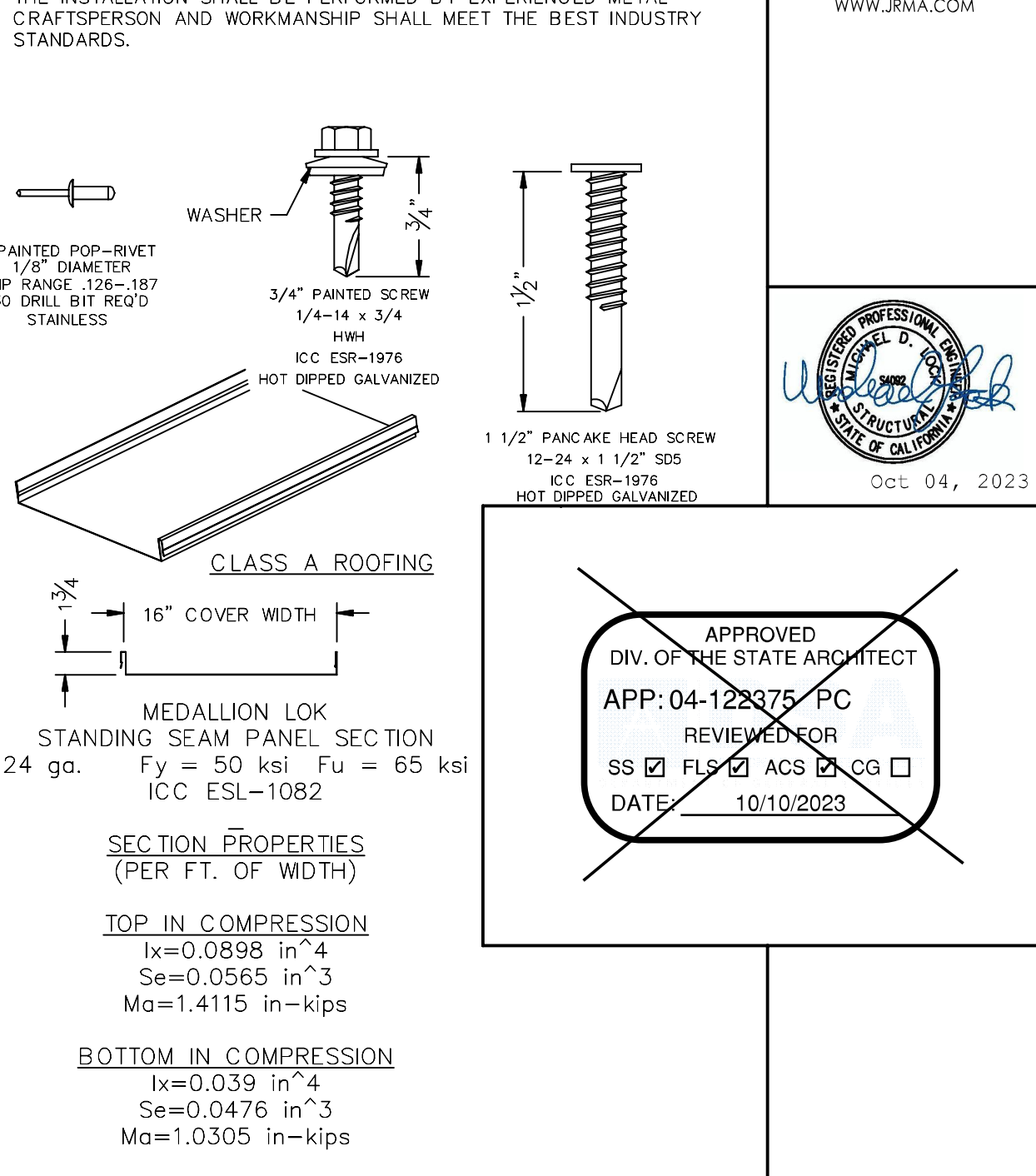
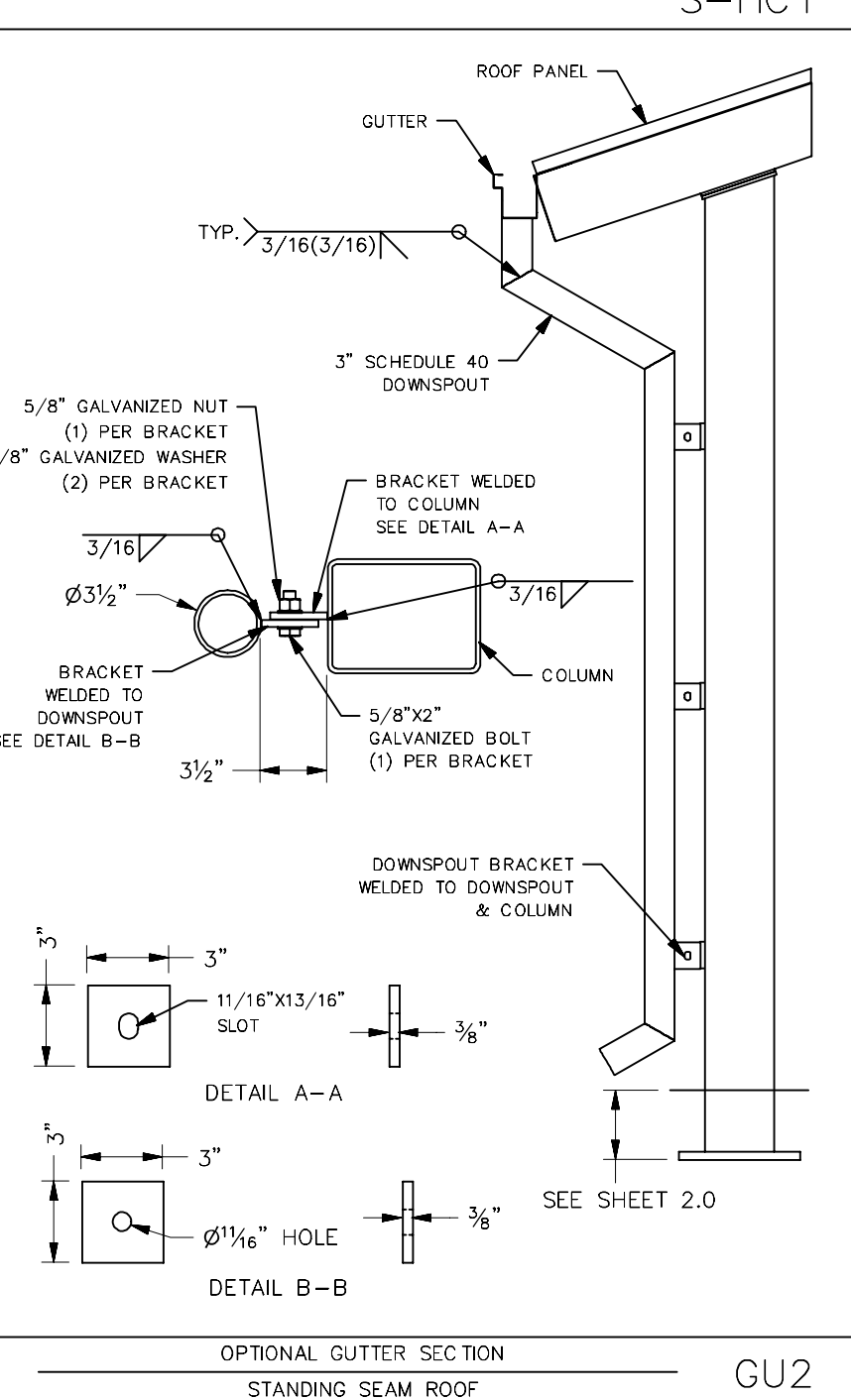
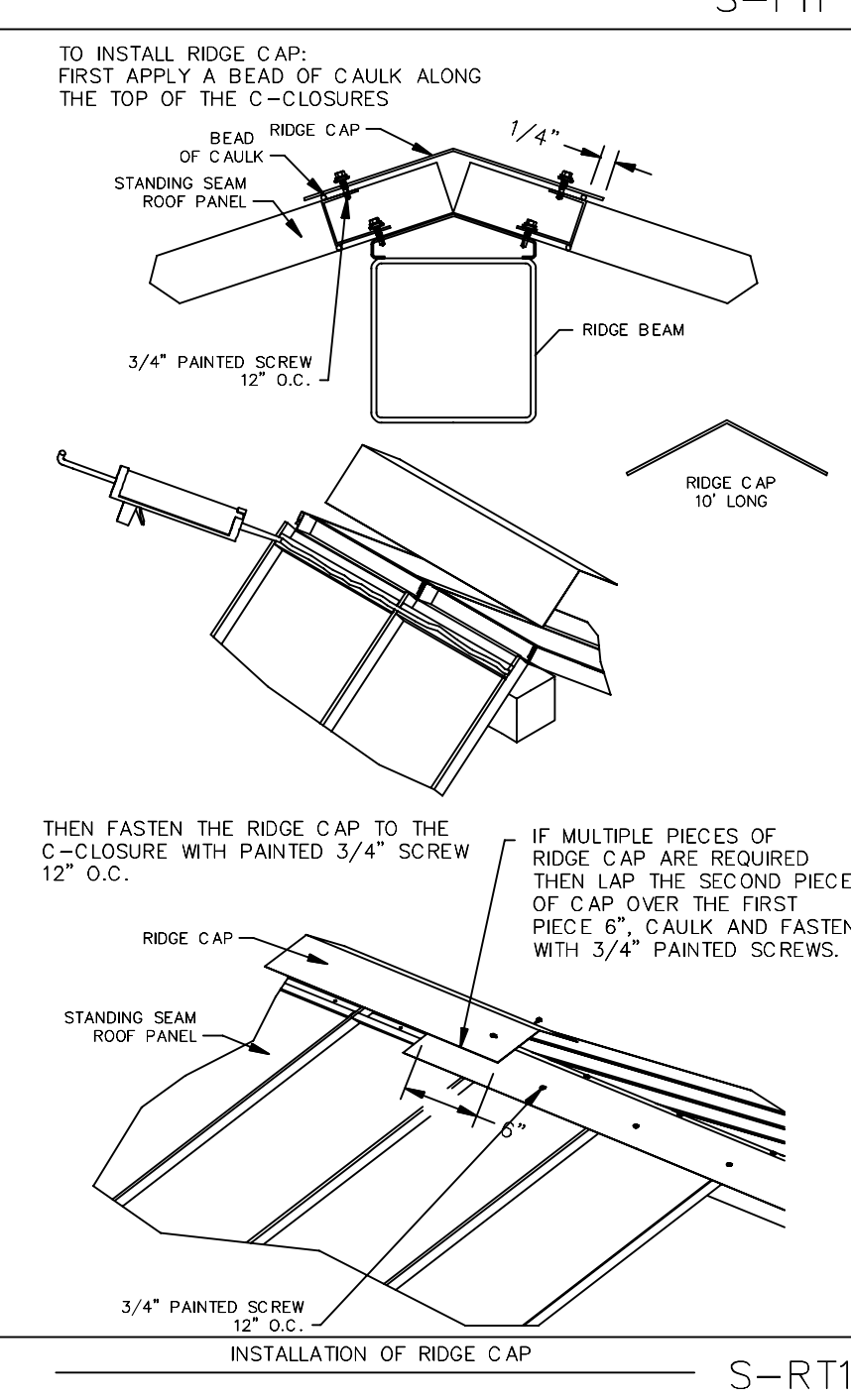
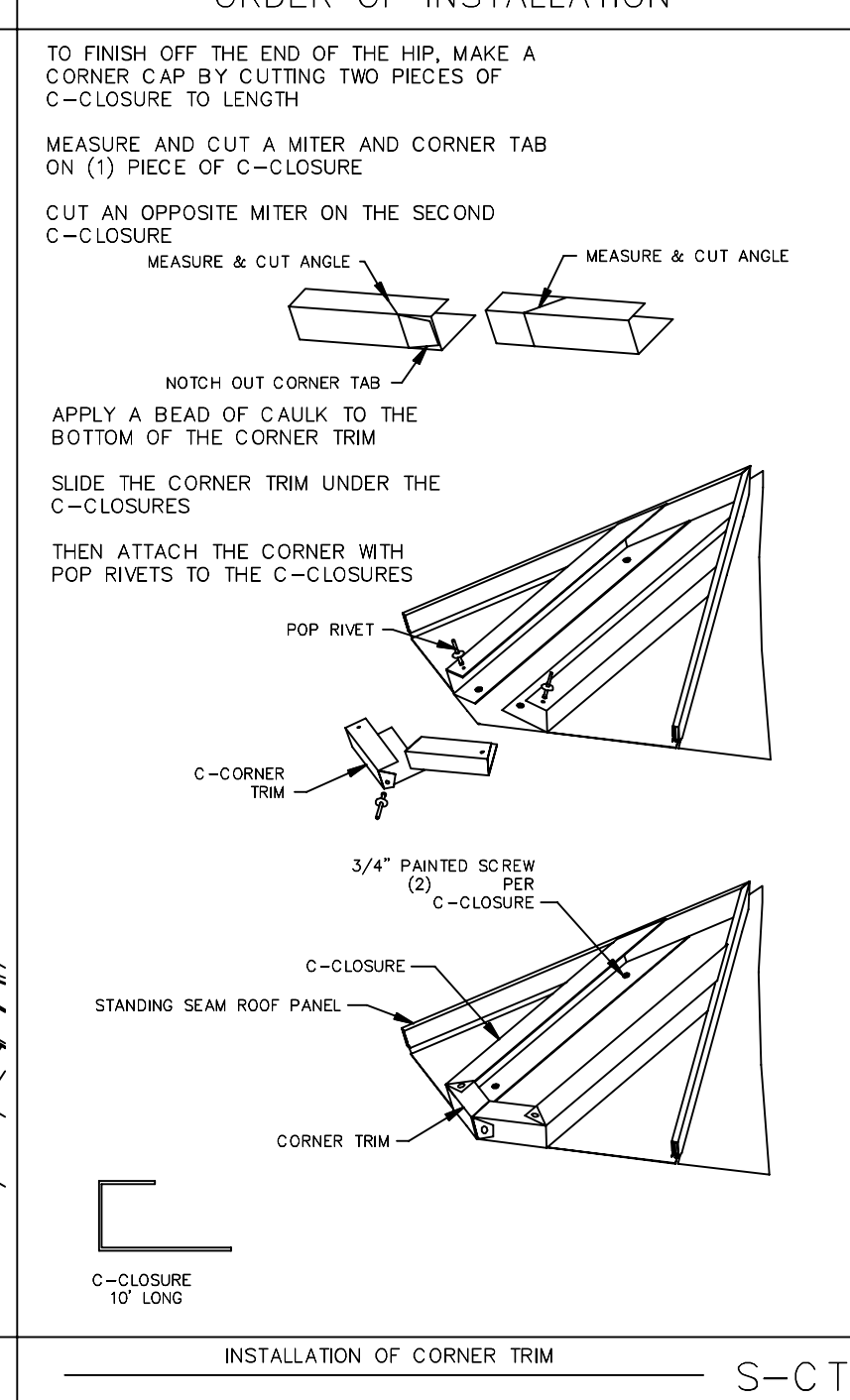
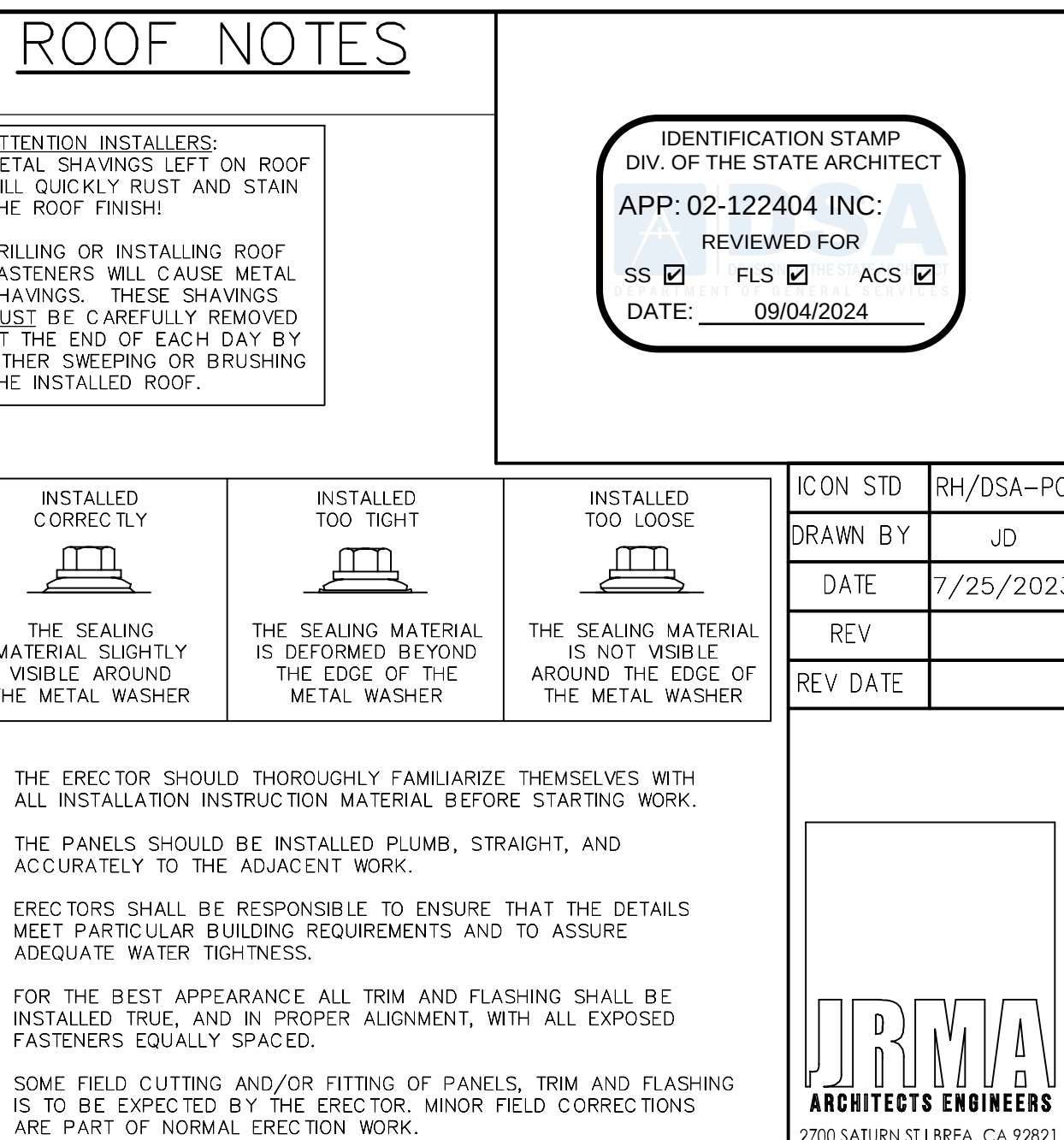
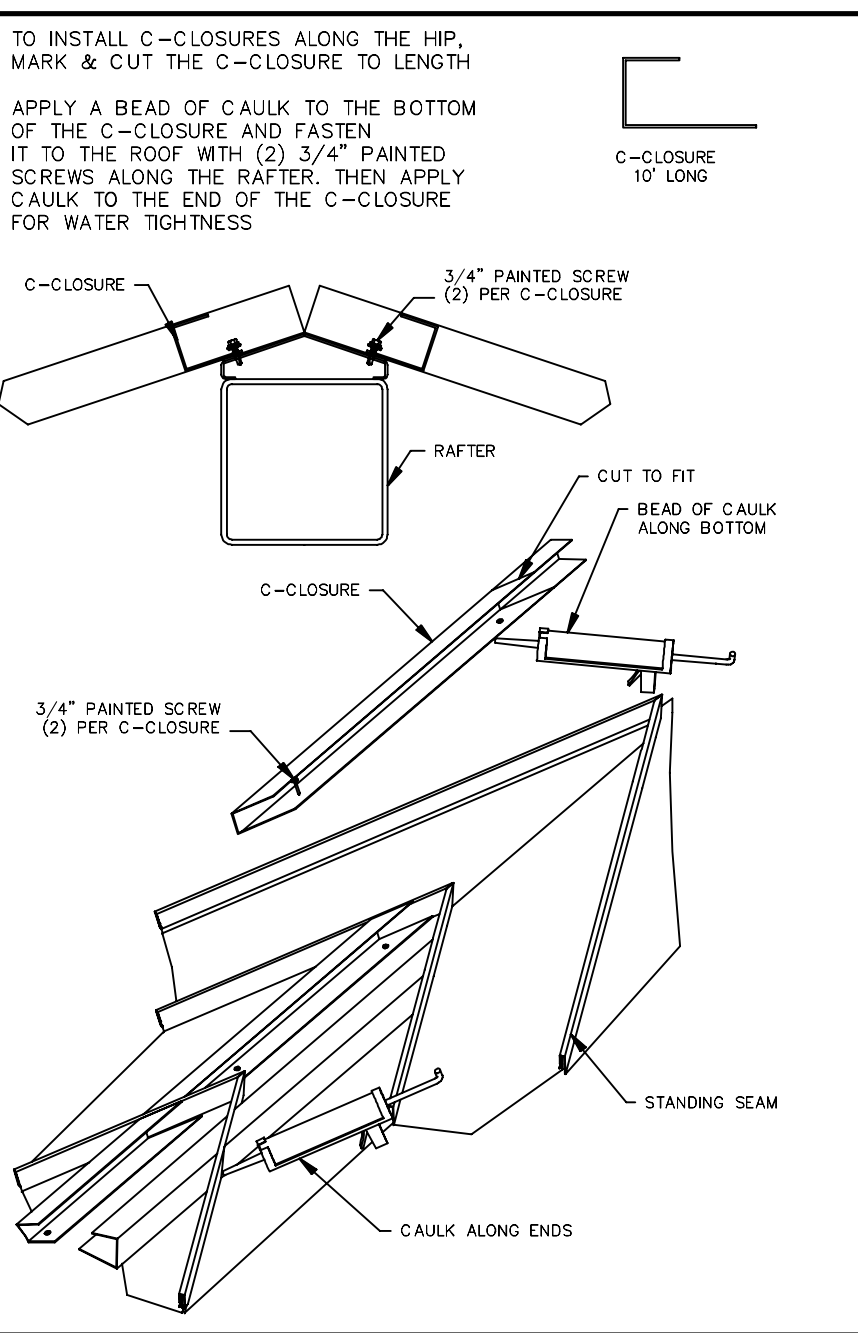
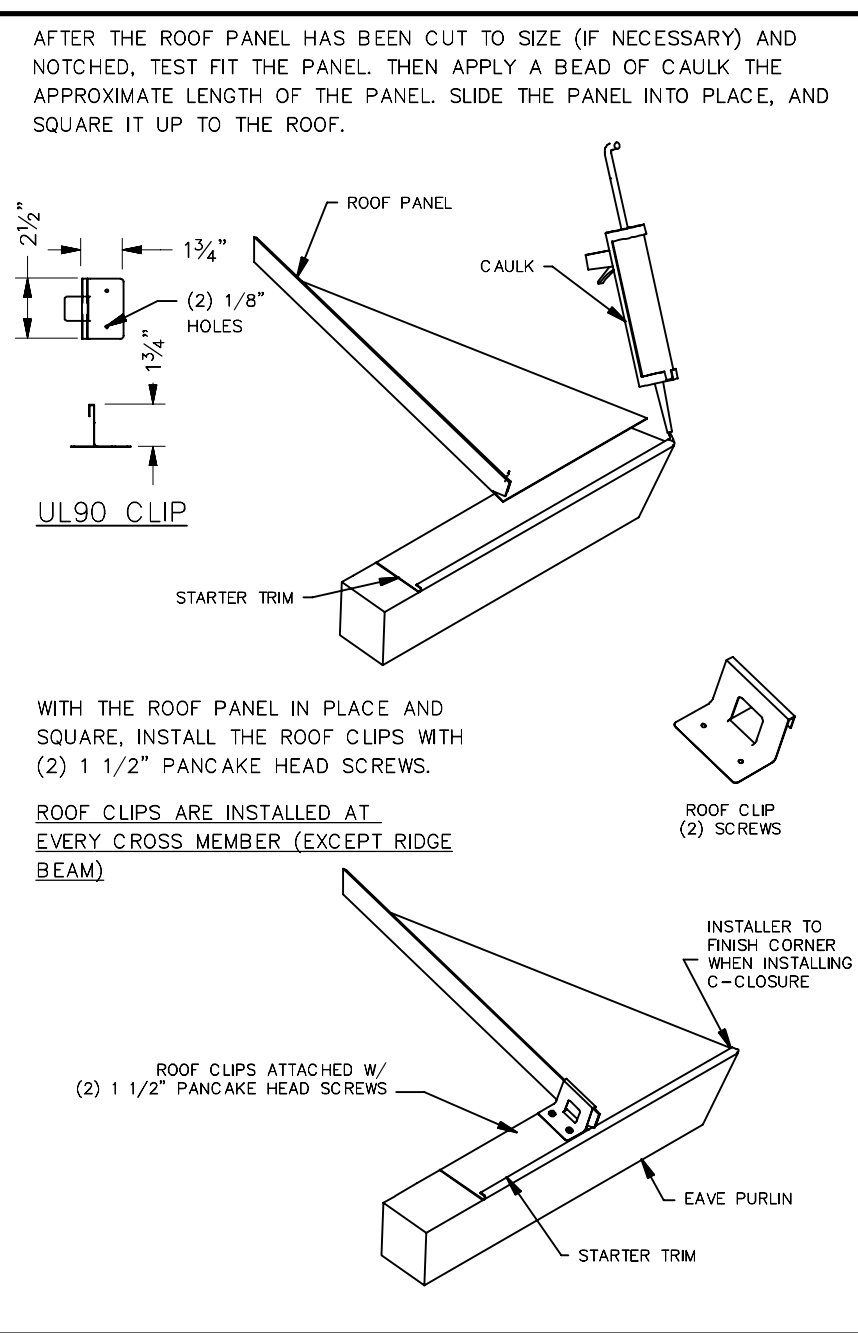
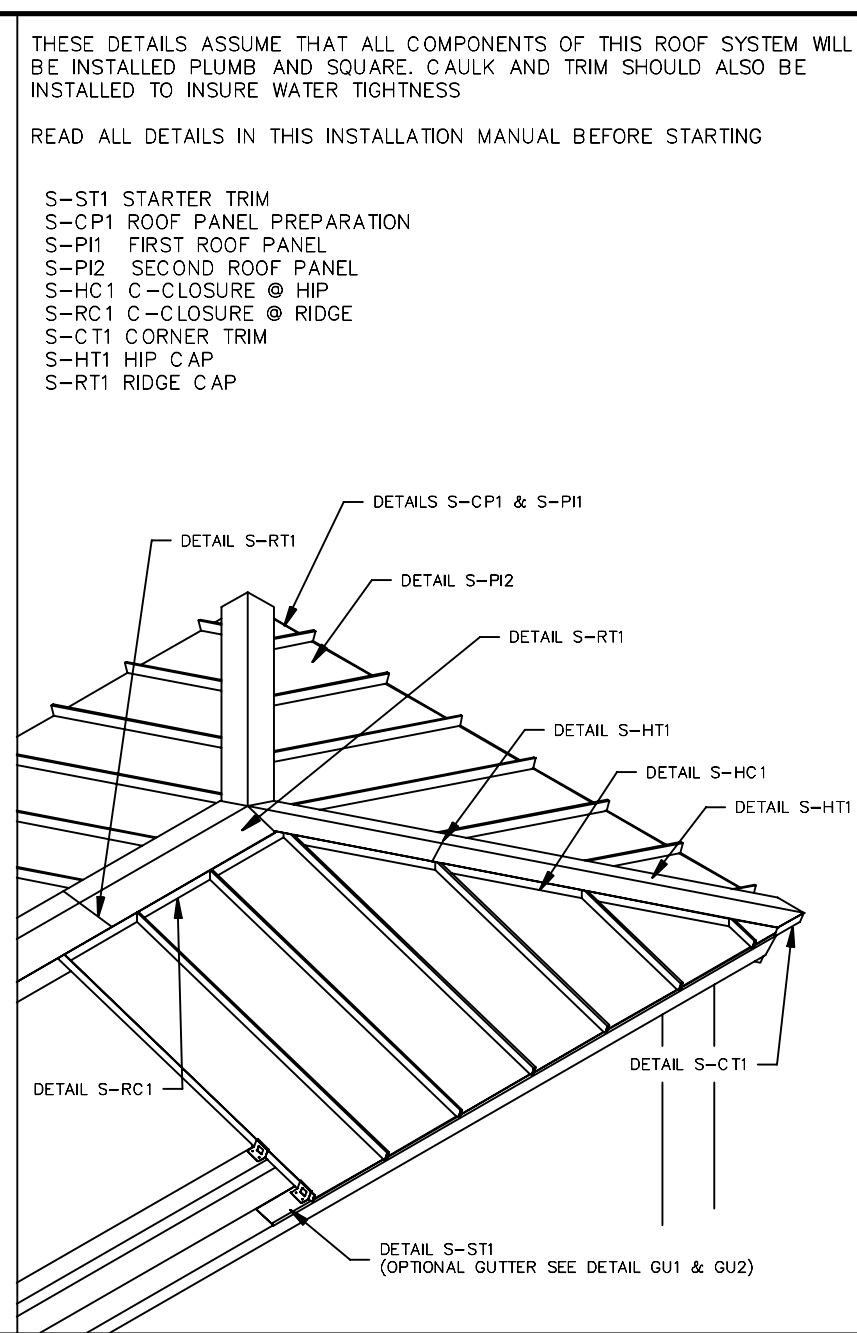
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LS3.1

PRINTED ON :



30' WIDE
RECTANGULAR HIP
STANDING SEAM
ROOFING PLAN

