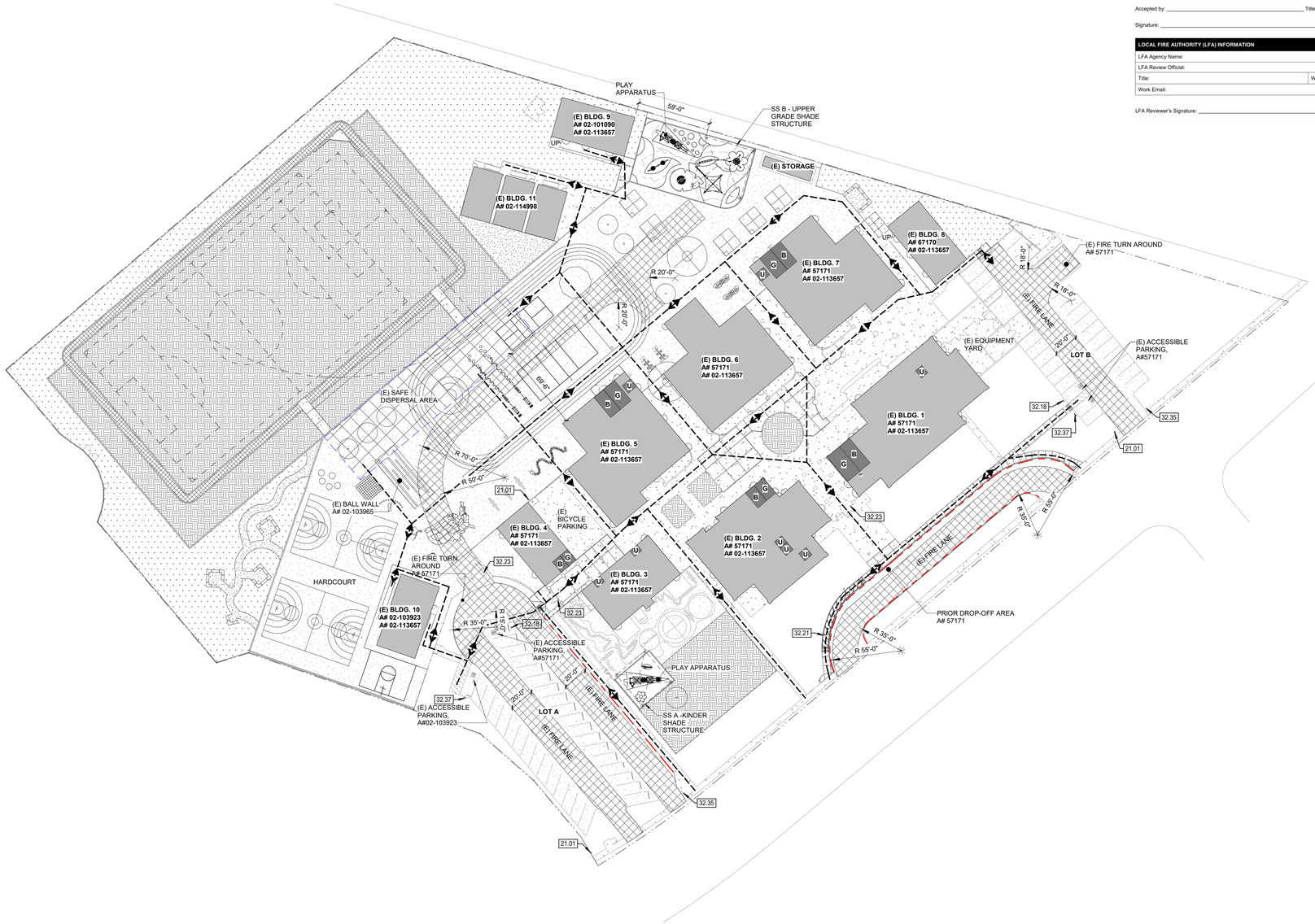
THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT THIS SHEETS ORIGINAL PAGE SIZE

BUILDING DATA

BUILDING NAME	OCC. TYPE	CONST. TYPE	ACTUAL BUILDING (SF)	SPRINKLER SYSTEM	ALLOWABLE S1 (SF)	ALLOWABLE S1 W/ AREA INCREASE (SF)	ACTUAL OVERHANG (SF)	ALLOWABLE BUILDING HEIGHT	ACTUAL BUILDING HEIGHT	NUMBER OF STORIES
(E) BUILDING 1	A	V-B	7,860	NO	-	-	-	-	-	-
(E) BUILDING 2	E	V-B	6,735	NO	-	-	-	-	-	-
(E) BUILDING 3	E	V-B	2,800	NO	-	-	-	-	-	-
(E) BUILDING 4	E	V-B	1,920	NO	-	-	-	-	-	-
(E) BUILDING 5	E	V-B	6,492	NO	-	-	-	-	-	-
(E) BUILDING 6	E	V-B	6,000	NO	-	-	-	-	-	-
(E) BUILDING 7	E	V-B	6,492	NO	-	-	-	-	-	-
(E) BUILDING 8	E	V-B	1,920	NO	-	-	-	-	-	-
(E) BUILDING 9	E	V-B	1,920	NO	-	-	-	-	-	-
(E) BUILDING 10	E	V-B	1,920	NO	-	-	-	-	-	-
(E) BUILDING 11	E	V-B	2,840	NO	-	-	-	-	-	-
SS A - KINDER SHADE STRUCTURE	A-3	V-B	900	NO	6,000	N/A	N/A	40'-0"	15'-0"	1
SS B - UPPER GRADE SHADE STRUCTURE	A-3	V-B	1,600	NO	6,000	N/A	N/A	40'-0"	15'-0"	1

(E) ACCESSIBLE PARKING STALL CALCULATION (TABLE 11B-208.2

LOT A		LOT B	
TOTAL PARKING STALL COUNT:	33 STALLS	TOTAL PARKING STALL COUNT:	26 STALLS
ACCESSIBLE PARKING STALLS		ACCESSIBLE PARKING STALLS	
REQUIRED ACCESSIBLE STALLS:	2 STANDARD (26-50 TOTAL STALLS)	REQUIRED ACCESSIBLE STALLS:	2 STANDARD (26-50 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 VAN (1-6 ACCESSIBLE STALLS)	REQUIRED VAN ACCESSIBLE STALLS:	1 VAN (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	1 STANDARD AND 1 VAN	ACCESSIBLE STALLS PROVIDED:	1 STANDARD AND 1 VAN



CODE ANALYSIS SITE PLAN 1

1" = 40'-0"

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION

School District/Owner: SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

Project Name/School: MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

Project Address: 7680 WINDBRIDGE DRIVE, SACRAMENTO, CA 95831

FIRE & LIFE SAFETY INFORMATION

1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☐	No X
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐	No X
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐	No X
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐ High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*		WIFA ☐

CONDITION MEANS AND METHODS RESOLUTION — **ALTERNATE ACCEPTED**

		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			X	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			X	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			X	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			X	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

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

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

LEGEND

- ACCESSIBLE PATH OF TRAVEL / PATH OF TRAVEL TO PUBLIC WAY
- ASSUMED PROPERTY LINE
- EXISTING BUILDINGS IN SCOPE OF WORK
- EXISTING ACCESSIBLE RESTROOMS
- SAFE DISPERSAL AREA
- Pa = EXISTING PARKING LOT
- B = EXISTING BOYS RESTROOM
- G = EXISTING GIRLS RESTROOM
- U = EXISTING UNISEX RESTROOM
- DF = EXISTING DRINKING FOUNTAIN
- CONCRETE PAVEMENT
- ASPHALT
- PLANTING, SEE LANDSCAPE DWGS
- GRASS, SEE LANDSCAPE DWGS
- DECOMPOSED GRANITE, SEE LANDSCAPE DWGS
- SYNTHETIC RUBBERIZED RUNNING TRACK, SEE CIVIL DWGS
- PAINTED FIRE LANE NO PARKING LINE 'FIRE LANE -NO PARKING' SEE DETAILS 12 / A10.01 AND 13 / A10.01
- EXISTING CHAIN LINK FENCE
- EXISTING DECORATIVE METAL FENCE

PATH OF TRAVEL STATEMENT

PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE EXCEPT LEVEL CHANGES THAT DO NOT EXCEED 1/4" VERTICAL. THE PATH OF TRAVEL IS AT LEAST 48" WIDE WITH SLIP RESISTANT SURFACE, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. THE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTION TO 80" A.F.F. MINIMUM AND WALL MOUNTED OBJECTS WITH THE BOTTOM EDGE BETWEEN 27" AND 80" A.F.F. MINIMUM AND WALL MOUNTED OBJECTS WITH THE BOTTOM EDGE BETWEEN 27" AND 80" A.F.F. SHALL PROTRUDE NO MORE THAN 4" INTO THE PEDESTRIAN CIRCULATION AREA. ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 1133B.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERNATIONS, 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 NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VIOLATION OF THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT PRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS.

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects

3186-070-000

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

LICENSED ARCHITECT MICHAEL CHESTER FAHY C-25193 REN. 07/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	03/01/2024
2	ADDENDUM #2	03/18/2024

KEYNOTES

21.01	(E) FIRE HYDRANT
32.18	(E) ACCESSIBLE PARKING SIGN
32.21	DROP OFF AREA
32.23	(E) KNOX BOX
32.35	(E) PARKING LOT ENTRANCE SIGN
32.37	(E) VAN ACCESSIBLE PARKING SIGN

NOTES

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DRIVE
SACRAMENTO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
CODE SITE PLAN

DSA SUBMITTAL

DATE: **01/04/2024** CLIENT PROJ NO: **3186-070-000**

SHEET:

G1.11

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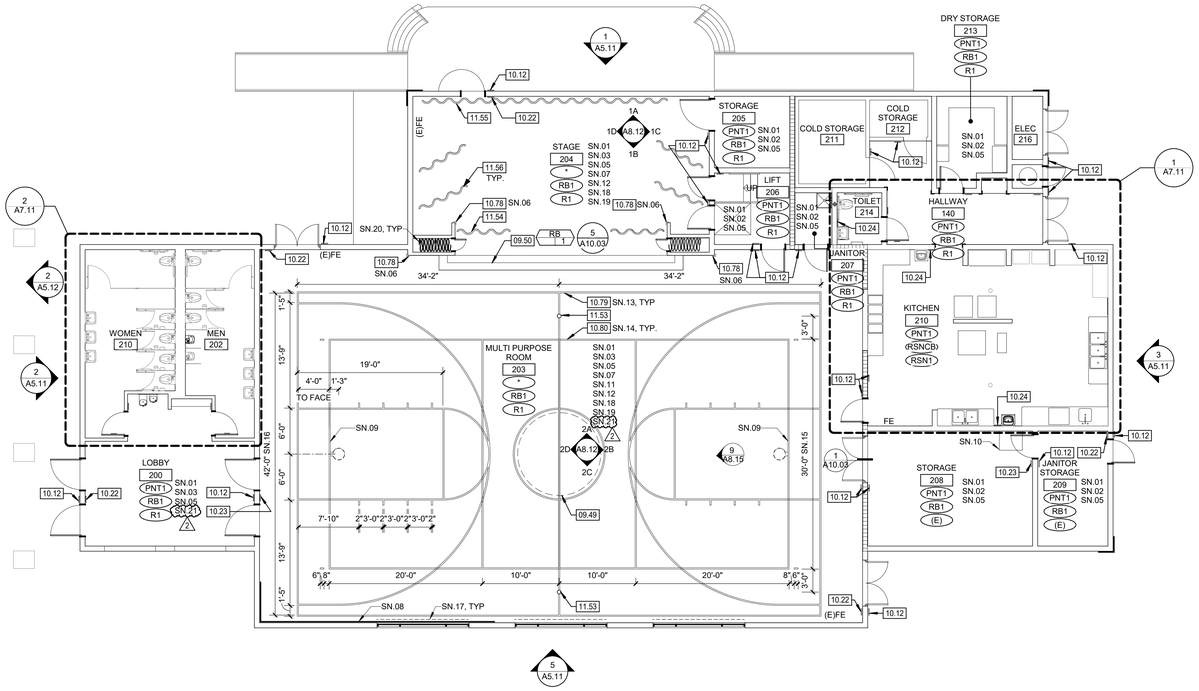
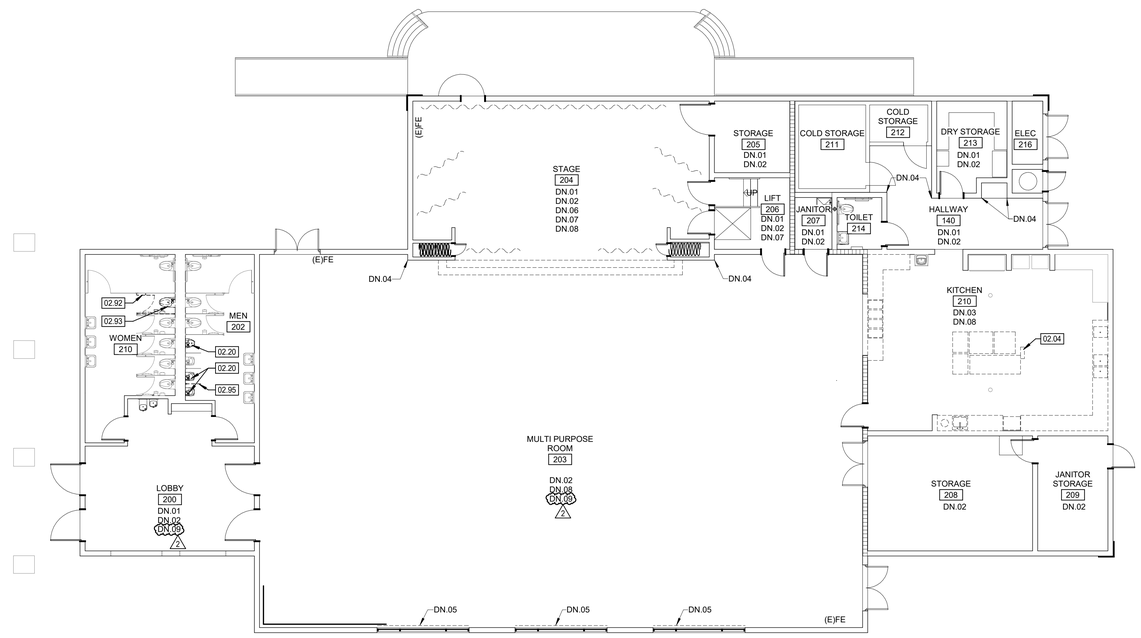


PN

IMPROVEMENT FLOOR PLAN - BLDG 1 | 2

1/8" = 1'-0"



PN

DEMOLITION FLOOR PLAN - BLDG 1 | 1

1/8" = 1'-0"

LEGEND

- EXISTING ELEMENT TO REMAIN
- EXISTING ELEMENT TO BE DEMOLISHED
- EXISTING ONE HOUR OCCUPANCY SEPARATION WALL

ROOM NAME

- 101 — ROOM NUMBER
- WF — WALL FINISH - SEE FINISH SCHEDULE * - MULT. FINISHES, SEE INT. ELEVATIONS
- BF — BASE FINISH - SEE FINISH SCHEDULE
- FF — FLOOR FINISH - SEE FINISH SCHEDULE

GENERAL NOTES

1. PATCH AND REPAIR ANY DAMAGED GYPSUM WALLBOARD PRIOR TO PAINTING, AS NEEDED
2. PATCH AND REGLUE ANY LOOSE WALLCOVERING PRIOR TO PAINTING
3. ALL (E) GLUE UP ACOUSTICAL PANELS TO BE PAINTED WITH NON-BRIDGING PAINT
4. REMOVE ALL (E) ABANDONED WIRE MOLD
5. PROTECT ALL (E) TAGS ON DOORS AND WALLS. DO NOT PAINT.
6. PAINT ALL INTERIOR AND EXTERIOR (E) NON-WOOD DOORS AND WINDOW FRAMES (PNT2). (E) WOOD DOORS TO REMAIN AS IS.
7. DEMO ALL (E) ROOM ID & RESTROOM SIGNAGE. NEW SIGNAGE TO BE PROVIDED
8. ALL (E) CASEWORK TO REMAIN. PROTECT DURING CONSTRUCTION UNO
9. ALL (E) SIGNAGE TO BE REPLACED IN THE SAME LOCATION, SEE PLAN FOR SIGN TYPE
10. THE ROOM NAMES AND NUMBERS INDICATED ON THE FLOOR PLANS ARE SOLELY FOR REFERENCE IN CONSTRUCTION DOCUMENTS. THE CONTRACTOR TO PROVIDE COMPLETE CHART OF ACTUAL BUILDING ROOM USE SIGNAGE DESIGNATION. THE ARCHITECT TO FORWARD THIS INFORMATION TO THE DISTRICT FOR REVIEW AND APPROVAL.
11. WHERE SIGNS MOUNTED ON GLASS, IF POSSIBLE MOUNT SIGNS BACK TO BACK AND MAKE EQUAL SIZE. WHERE NO SECOND SIGN IS PRESENT, PROVIDE A BLANK SIGN TO COVER ADHESIVE.
12. CONTRACTOR TO PROVIDE BACKING AS REQUIRED FOR ALL INSTALLATIONS, SEE DETAIL 4/A10.03

KEYNOTES

02.04	REMOVE (E) WALL. CAP (E) GAS LINE AND UTILITIES ABOVE CEILING | SEE PLUMBING DWGS
02.20	REMOVE (E) URINAL. RETURN TO OWNER FOR SALVAGE/REUSE PER CONTRACTOR/OWNER AGREEMENT
02.92	REMOVE (E) TOILET PARTITION DOOR. RETURN TO OWNER FOR SALVAGE/REUSE PER CONTRACTOR/OWNER AGREEMENT
02.93	REMOVE (E) TOILET. RETURN TO OWNER FOR SALVAGE/REUSE PER CONTRACTOR/OWNER AGREEMENT
02.95	REMOVE (E) URINAL PARTITION. RETURN TO OWNER FOR SALVAGE/REUSE PER CONTRACTOR/OWNER AGREEMENT
09.49	SCHOOL LOGO TO BE INLAID IN RUBBER FLOORING LOGO TO BE PROVIDED BY ARCHITECT
09.50	RUBBER STAIR TREADS
10.12	ROOM ID SIGN | 9/A10.04
10.22	TACTILE "EXIT" SIGN | 8/A10.04
10.23	TACTILE "EXIT ROUTE" SIGN | 8/A10.04
10.24	HAND WASH SIGN
10.78	CORNER GUARD - PLASTIC CG1 | 6/A10.03
10.79	BASKETBALL STRIPING
10.80	VOLLEYBALL STRIPING
11.53	ATHLETIC EQUIPMENT : FLOOR SLEEVE
11.54	THEATRICAL DRAPERIES : TRAVELER CURTAIN
11.55	THEATRICAL DRAPERIES : REAR CURTAIN
11.56	THEATRICAL DRAPERIES : LEG CURTAINS

DEMOLITION NOTES

DN.01	(E) VCT TO BE REMOVED IN ITS ENTIRETY
DN.02	(E) RUBBER BASE TO BE REMOVED IN ITS ENTIRETY
DN.03	(E) TILE FLOORING & BASE TO BE REMOVED IN THEIR ENTIRETY
DN.04	(E) CORNER GUARD TO BE REMOVED. PATCH AND REPAIR WALL
DN.05	(E) MOTORIZED DRAPERY TO BE REMOVED IN ITS ENTIRETY
DN.06	(E) THEATRICAL DRAPERY TO BE REMOVED IN THEIR ENTIRETY
DN.07	(E) STAIR TREADS TO BE REMOVED IN THEIR ENTIRETY
DN.08	(E) CLOCKS AND WALL MOUNTED HAND SANITIZER DISPENSER TO BE REMOVED AND STORED
DN.09	REMOVE (E) FLOOR CRACK FILLER (2)

SHEET NOTES

SN.01	(E) GYPSUM WALLBOARD AND WALLCOVERING TO BE PAINTED
SN.02	(E) GYPSUM WALLBOARD CEILING TO BE PAINTED (PNT1)
SN.03	(E) GLUE UP TILES ON WALLS AND CEILINGS TO BE PAINTED (PNT1, U.N.O.)
SN.04	NOT USED
SN.05	INSTALL RUBBER BASE
SN.06	INSTALL 8'-0" CORNER GUARDS
SN.07	(E) WALL PANELING TO BE PAINTED
SN.08	PROTECT (E) ROCK CLIMBING WALL DURING CONSTRUCTION
SN.09	(E) BASKETBALL SUPPORTS TO BE DEEP CLEANED
SN.10	(E) IDF BOX ABOVE. PROTECT DURING CONSTRUCTION.
SN.11	(E) WOOD TRIM TO BE PAINTED
SN.12	ALL (E) CEILING MOUNTED DEVICES TO BE REMOVED, STORED, AND REINSTALLED IN SAME LOCATION AFTER INSTALLATION OF NEW CEILING TILES
SN.13	2" WIDE (U.N.O.) COURT MARKING: COLOR 1
SN.14	2" WIDE (U.N.O.) COURT MARKING: COLOR 2
SN.15	TO OUTSIDE OF STRIPE
SN.16	TO INSIDE OF STRIPE
SN.17	REPLACE (E) DRAPERY WITH NEW ROLLER WINDOW SHADES
SN.18	(E) CLOCKS AND WALL MOUNTED HAND SANITIZER DISPENSERS TO BE REINSTALLED IN SAME LOCATION
SN.19	REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
SN.20	(E) THEATRICAL CURTAINS TO REMAIN
SN.21	FILL ALL CRACKS WITH 2-PART EPOXY FILLER FOR CRACK AND JOINT FILLING APPROVED FOR RESINIOUS FLOORING INSTALLATION. DIAMOND GRIND OR SHOT BLAST THE (E) SURFACE AND PROVIDE BOND TESTING AS REQUIRED BY THE FLOORING MANUFACTURER. (2)

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Δ	DESCRIPTION	DATE
1	ADDENDUM #1	03/01/2024
2	ADDENDUM #2	03/18/2024

FACILITY:

MATSUYAMA ELEMENTARY SCHOOL

7680 WINDBRIDGE DRIVE
SACRAMENTO, CA 95831

PROJECT:

MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:

DEMOLITION AND IMPROVEMENT FLOOR PLANS - BLDG 1

DSA SUBMITTAL

DATE: **01/04/2024** | CLIENT PROJ NO: **3186-070-000**

SHEET:

A2.11

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THIS SHEET'S ORIGINAL PAGE SIZE

INTERIOR FINISHES

ACOUSTICAL PANEL CEILINGS

ACP1 ACOUSTICAL CEILING PANELS
MANUFACTURER: ARMSTRONG CEILINGS
STYLE: FINE FISSURED HIGH NRC (#1811)
SIZE: 24" x 48" x 3/4"
EDGE PROFILE: SQUARE LAY-IN
NRC: 0.70
CAC: 40
LIGHT REFLECT: 0.82
COLOR: WHITE

PAINTING

PNT1 PAINT COLOR 1
COLOR: TO MATCH DUNN-EDWARDS "BALL OF STRING" (#DE6190)
LOCATION: (E) GYPSUM WALLBOARD CEILINGS, (E) T-BAR GRID AND DIFFUSERS
GLUE UP ACOUSTICAL PANELS (U.N.O.), SEE DRAWINGS

PNT2 PAINT COLOR 2
COLOR: TO MATCH DUNN-EDWARDS "JET" (#DE6378)
LOCATION: INTERIOR DOOR & WINDOW FRAMES

PNT3 PAINT COLOR 3
COLOR: TO MATCH DUNN-EDWARDS "ICE GRAY" (#DEC790)
LOCATION: SEE DRAWINGS

PNT4 PAINT COLOR 4
COLOR: TO MATCH DUNN-EDWARDS "SPRING JUNIPER" (#DEA128)
LOCATION: SEE DRAWINGS

PNT5 PAINT COLOR 5
COLOR: TO MATCH DUNN-EDWARDS "KALE" (#DE5585)
LOCATION: SEE DRAWINGS

RESILIENT BASE AND ACCESSORIES

RB1 RUBBER BASE
MANUFACTURER: BURKE
STYLE: BURKEBASE TYPE TP
MATERIAL: TBD
PROFILE: TBD
COLOR: 701 BLACK
FINISH: TBD
LOCATION: 4" AT CASEWORK. 6" AT WALLS.

STR1 STAIR TREADS & RISERS
MANUFACTURER:
STYLE:
TREADS:
TREADS MATERIAL:
TREADS RUBBER COLOR:
TREADS VI STRIP INSERT COLOR:
RISERS:
RISERS MATERIAL:
RISERS RUBBER COLOR:

RESILIENT FLOORING: RUBBER

R1 RUBBER
MANUFACTURER: NORA
STYLE: NORAMENT GRANO nTx
COLOR: FENUGREEK (#5307)
THICKNESS: 3.5MM
LOCATION: SEE PLANS

R2 RUBBER
MANUFACTURER: NORA
STYLE: NORAMENT GRANO nTx
COLOR: ARBORATIVE (#5328)
THICKNESS: 3.5MM
LOCATION: MPR (STRIPPING)

R3 RUBBER
MANUFACTURER: NORA
STYLE: NORAMENT GRANO nTx
COLOR: MYRRH (#5308)
THICKNESS: 3.5MM
LOCATION: MPR (STRIPPING)

RESILIENT FLOORING: SHEET VINYL

SV1 SHEET VINYL
SVCB1 MANUFACTURER:
STYLE:
COLOR:
FINISH:
THICKNESS:
LOCATION: SEE PLANS
NOTE: 6" INTEGRAL COVE BASE TO HAVE MIN. 3/8" RADIUS (**SVCB1**)

RESILIENT FLOORING: SOLID VINYL FLOOR TILE (LVT)

LVT1 SOLID VINYL TILE
MANUFACTURER: TARKETT
STYLE: ID LATITUDE - WOOD
COLOR: 7542 HAZELWOOD
FINISH: TECHTONIC
WEAR LAYER THICKNESS: 0.020" (0.5MM)
SIZE: TBD
LOCATION: SEE PLANS

RESINOUS FLOORING

RSN1 RESINOUS EPOXY FLOORING
RSNCB1 MANUFACTURER: TBD
STYLE: TBD
COLOR: TBD
FINISH: TECHTONIC
NOTE: 6" INTEGRAL COVE BASE TO HAVE MIN. 3/8" RADIUS (**RSNCB1**)

ROLLER WINDOW SHADES (MOTORIZED)

RWS1 SHADECLOTH (VISUALLY TRANSPARENT)
MANUFACTURER: MECHOSHADE
STYLE: TBD
OPEN FACTOR: TBD
THICKNESS:
WEAVE:
COLOR: TBD
MOTORIZED SHADE SYSTEM: WHISPERSHADE IQ2-EDU
LOCATION: MPR, SEE INTERIOR ELEVATIONS

SHEET CARPETING

CPT1 SHEET CARPETING
MANUFACTURER: TARKETT
STYLE: DOUBLE DOUCLE (#A0010)
COLOR: SUMMER SHADOW (#74204)
BACKING: TBD
INSTALLATION: TBD
LOCATION: SEE FINISH PLAN

THEATRICAL CURTAINS

THC1 THEATRICAL CURTAIN
MANUFACTURER: JB MARTIN
STYLE: #2703 OVERTRUE
WEIGHT: 21 OZ. MINIMUM
COLOR: 7524 OLD JADE
LOCATION: FRONT SETTING VALANCE AND FRONT CURTAIN

THC2 THEATRICAL CURTAIN
MANUFACTURER: JB MARTIN
STYLE: #2703 OVERTRUE
WEIGHT: 18 OZ. MINIMUM
COLOR: 7001 BLACK
LOCATION: CYCLORAMA

TILING

GR1 GROUT
MANUFACTURER: TBD
COLOR: TO MATCH EXISTING
LOCATION: RESTROOMS

WALK-OFF CARPETING

WCPT1 WALK-OFF CARPETING
MANUFACTURER: TARKETT
STYLE: ASSERTIVE ACTION (#04837)
COLOR: WEATHERED PATINA (#26216)
BACKING:
INSTALLATION:
LOCATION: SEE PLANS

WALL AND DOOR PROTECTION

CG1 VINYL CORNER GUARD
MANUFACTURER: INPRO ARCHITECTURAL PRODUCTS
STYLE: LOW PROFILE NO TAPE CORNER GUARD
MATERIAL: RIGID VINYL
SIZE: 3" LEG X 8' HEIGHT
THICKNESS: 0.080" (2MM)
COLOR: FEATHER (#0238)
INSTALLATION: ADHESIVE
LOCATION: SEE INTERIOR ELEVATIONS

CG2 VINYL CORNER GUARD
MANUFACTURER: INPRO ARCHITECTURAL PRODUCTS
STYLE: LOW PROFILE NO TAPE CORNER GUARD
MATERIAL: STAINLESS STEEL
SIZE: 3 1/2" LEG X 8' HEIGHT
THICKNESS: 0.080" (2MM)
COLOR: STAINLESS STEEL
INSTALLATION: ADHESIVE
LOCATION: KITCHEN

EXTERIOR FINISHES

PAINTING

EPNT1 EXTERIOR PAINT COLOR 1
COLOR: TO MATCH DUNN-EDWARDS "TBD"
LOCATION: SEE DRAWINGS

EPNT2 EXTERIOR PAINT COLOR 2
COLOR: TO MATCH DUNN-EDWARDS "TBD"
LOCATION: SEE DRAWINGS

EPNT3 EXTERIOR PAINT COLOR 3
COLOR: TO MATCH DUNN-EDWARDS "EBD"
LOCATION: EXTERIOR REVEALS, DOOR & WINDOW FRAMES

EPNT4 EXTERIOR PAINT COLOR 4
COLOR: TO MATCH DUNN-EDWARDS "TBD"
LOCATION: SEE DRAWINGS

EPNT5 EXTERIOR PAINT COLOR 5
COLOR: TO MATCH DUNN-EDWARDS "TBD"
LOCATION: SEE DRAWINGS

EPNT6 EXTERIOR PAINT COLOR 6
COLOR: TO MATCH DUNN-EDWARDS "EBD"
LOCATION: SEE DRAWINGS

TILING

EGR1 EXTERIOR GROUT
COLOR: TO MATCH EXISTING
LOCATION: SEE EXTERIOR ELEVATIONS

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SHEET NAME:
FINISH SCHEDULE

DSA SUBMITTAL

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A9.12

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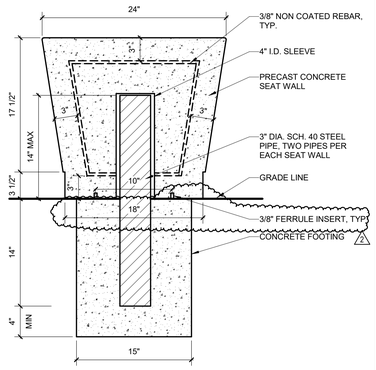
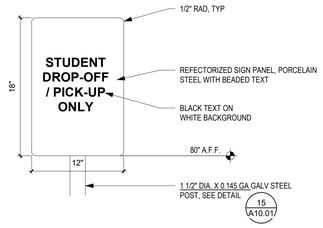
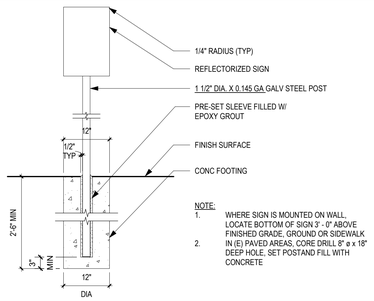
PLEASE RECYCLE



PRECAST CONCRETE SEAT WALL 24
1 1/2" = 1'-0"

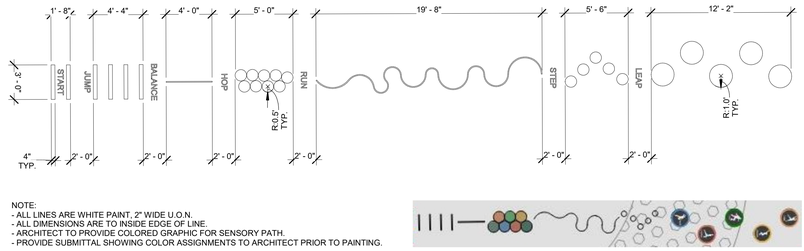


LOADING/ UNLOADING ONLY SIGN 20
1 1/2" = 1'-0"



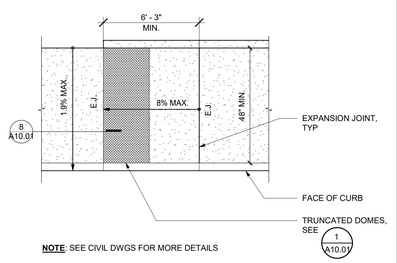
NOTE:
1. WHERE SIGN IS MOUNTED ON WALL, LOCATE BOTTOM OF SIGN 3' - 0" ABOVE FINISHED GRADE, GROUND OR SIDEWALK IN (E) PAVED AREAS, CORE DRILL 8" ø x 18" DEEP HOLE, SET POSTAND FILL WITH CONCRETE
2.

POST AND FOOTING FOR SIGNAGE 15
3/4" = 1'-0"



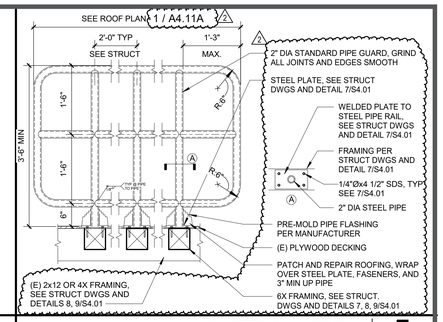
NOTE:
- ALL LINES ARE WHITE PAINT, 2" WIDE U.O.N.
- ALL DIMENSIONS ARE TO INSIDE EDGE OF LINE.
- ARCHITECT TO PROVIDE COLORED GRAPHIC FOR SENSORY PATH.
- PROVIDE SUBMITTAL SHOWING COLOR ASSIGNMENTS TO ARCHITECT PRIOR TO PAINTING.

SENSORY PATH 14
3/16" = 1'-0"

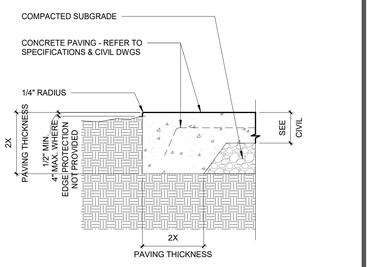


NOTE: SEE CIVIL DWGS FOR MORE DETAILS

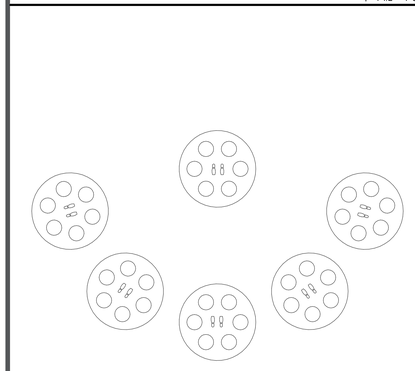
CURB RAMP 9
1/4" = 1'-0"



SAFETY GUARDRAIL 5
3/4" = 1'-0"

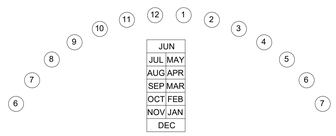


CONCRETE PAVING EDGE 4
1 1/2" = 1'-0"



MIRROR ME

GRAPHICS FOR COLORED PAVEMENT COATING



HUMAN SUNCLOCK

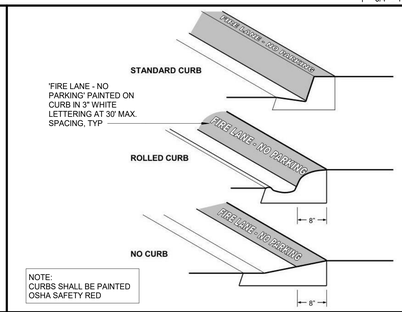
DIMENSIONS TO BE SPECIFIC TO SITE LOCATION

NOTE:
ALL LINES ARE WHITE PAINT, 2" WIDE U.O.N.
ALL DIMENSIONS ARE TO INSIDE EDGE OF LINE.
PAINT COLORS SIMILAR TO IMAGE.
PROVIDE SUBMITTAL SHOWING COLOR ASSIGNMENTS TO ARCHITECT PRIOR TO PAINTING.

PLAYGROUND STRIPING 21
1/4" = 1'-0"

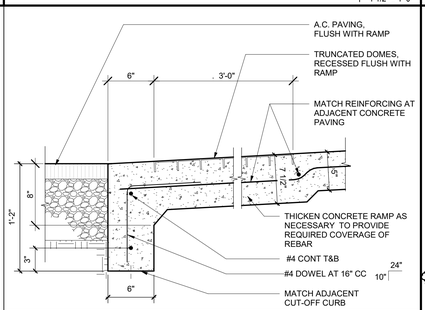
FIRE LANE IDENTIFICATION PAINTED ON ASPHALT 13
3/4" = 1'-0"

BLENDED TRANSITION 8
1 1/2" = 1'-0"

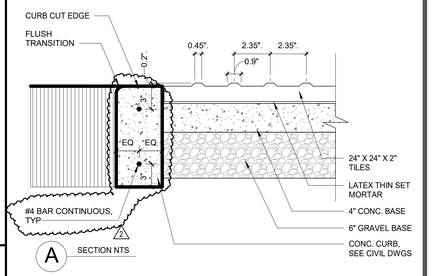


NOTE:
CURBS SHALL BE PAINTED OSHA SAFETY RED

FIRE LANE IDENTIFICATION - RED CURBS 12
3/4" = 1'-0"

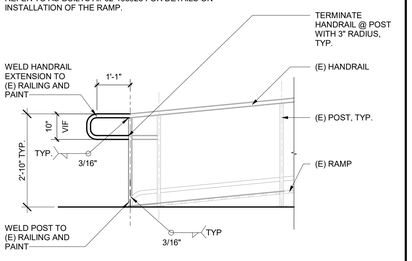


CURB RAMP SECTION DETAIL 7
1 1/2" = 1'-0"



NOTE:

REFER TO AS-BUILTS A# 02-103923 FOR DETAILS ON INSTALLATION OF THE RAMP.



RAMP ELEVATION 16
1/2" = 1'-0"

POURED IN PLACE RUBBER 11
3" = 1'-0"

ACCESSIBLE CURB RAMP 6
1/4" = 1'-0"

TRUNCATED DOME PAVERS 1
NTS

PLEASE RECYCLE

Autodesk Docs://3186970000 - SCUSD Matsuyama ES Modernization/3186970000-A-MATSUYAMA-MOD.rvt
3/8/2024 11:24:10 AM

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT MICHAEL CHESTER FAHY C-25193 REN. 07/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	03/01/2024
2	ADDENDUM #2	03/18/2024

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DRIVE
SACRAMENTO, CA 95831

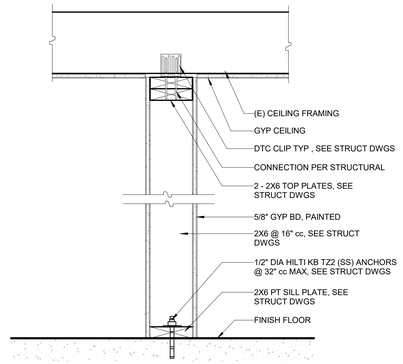
PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
SITE DETAILS - MISC

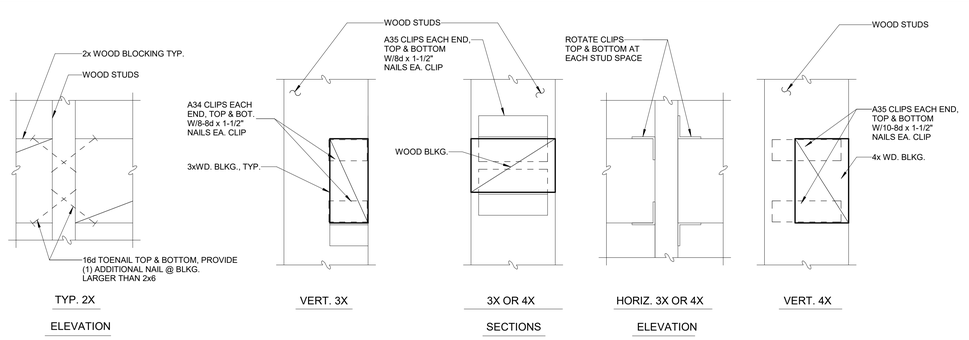
DSA SUBMITTAL

DATE: **01/04/2024**
CLIENT PROJ NO: **3186-070-000**

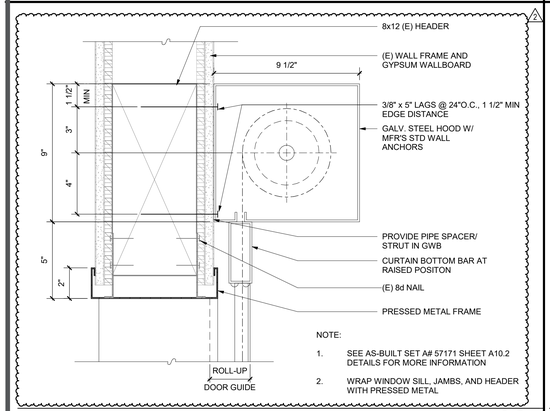
SHEET:
A10.01



KITCHEN WALL 10 — 1 1/2" = 1'-0"



TYPICAL WOOD BLOCKING 4 — 3" = 1'-0"



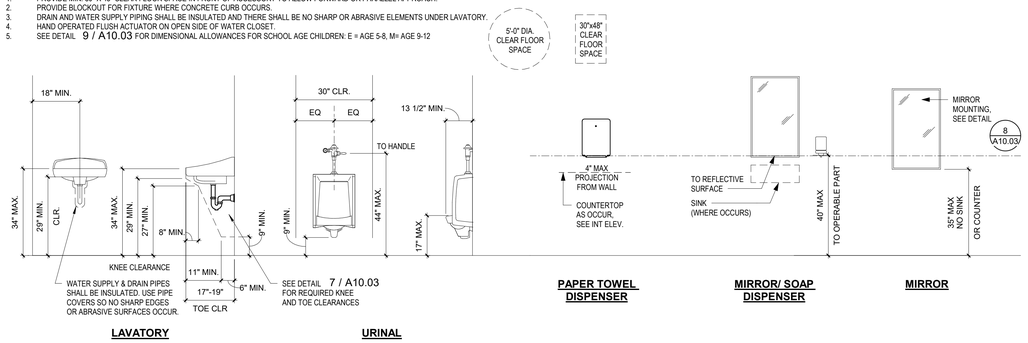
ROLL-UP COUNTER DOOR - HEAD 13 — 3" = 1'-0"

TABLE 11B-604.9
SUGGESTED DIMENSION FOR CHILDREN'S USE

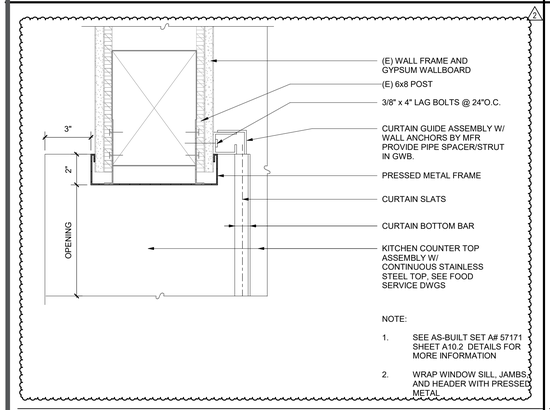
SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 5 - 12		
	"KINDERGARTEN" (BUILDING C) = AGE 5 THROUGH 8	**"ELEMENTARY" = AGE 9 THROUGH 12**
WATER CLOSET CENTERLINE	12IN - 15 IN.	15 IN.
WATER CLOSET SEAT HEIGHT	12 IN. - 15 IN.	15 IN.
GRAB BAR HEIGHT AND HANDRAIL	20 IN. - 25 IN.	25 IN.
TP DISPENSER HEIGHT	14 IN. - 17 IN.	17 IN.
URINAL LIP	13 IN. MIN. - 17 IN. MAX.	15 IN. MIN. - 17 IN. MAX.
URINAL FLUSH VALVE	32 IN. MIN. - 44 IN. MAX	37 IN. MIN. - 44 IN. MAX
DRINKING FOUNTAIN BUBBLER	PARALLEL APPROACH IF 30 INCHES MAX AFF, 3-1/2" MAX FROM FRONT EDGE OF DF, INCLUDING BUMPERS	32 IN. MIN. - 36 IN. MAX
DISPENSER REACH HEIGHT	32 IN. MIN. - 40 IN. MAX	36 IN. MIN. - 40 IN. MAX

DIM. ALLOWANCE FOR CHILDREN 9 — 6" = 1'-0"

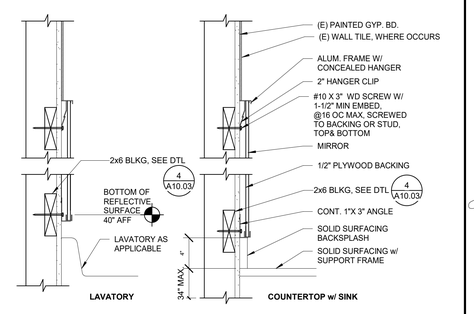
NOTES:
1. PROVIDE MIN. 30" X 48" CLEAR FLOOR SPACE IN FRONT OF ACCESSORY TO ALLOW FORWARD OR PARALLEL APPROACH.
2. PROVIDE BLOCKOUT FOR FIXTURE WHERE CONCRETE CURB OCCURS.
3. DRAIN AND WATER SUPPLY PIPING SHALL BE INSULATED AND THERE SHALL BE NO SHARP OR ABRASIVE ELEMENTS UNDER LAVATORY.
4. HAND OPERATED FLUSH ACTUATOR ON OPEN SIDE OF WATER CLOSET.
5. SEE DETAIL 9 / A10.03 FOR DIMENSIONAL ALLOWANCES FOR SCHOOL AGE CHILDREN: E = AGE 5-8, M= AGE 9-12



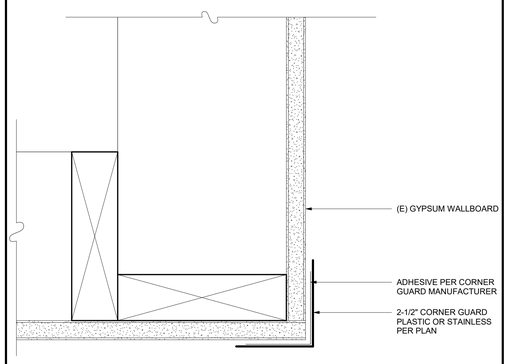
STANDARD ACCESSIBLE FIXTURE & ACCESSORY MOUNTING 3 — 1/2" = 1'-0"



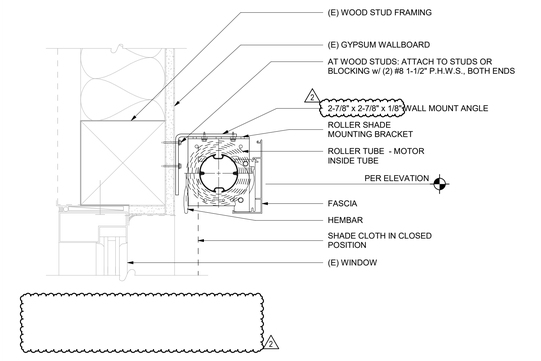
ROLL-UP COUNTER DOOR - JAMB 12 — 3" = 1'-0"



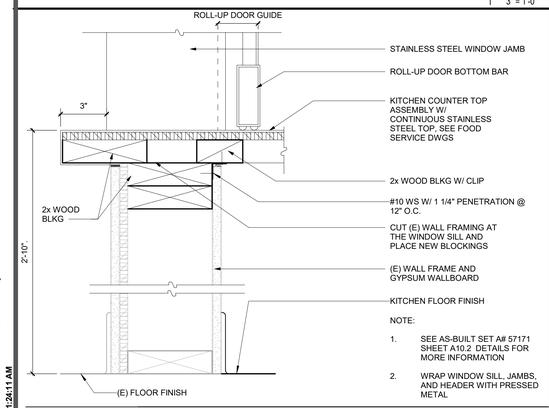
MIRROR @ RESTROOM 8 — 1 1/2" = 1'-0"



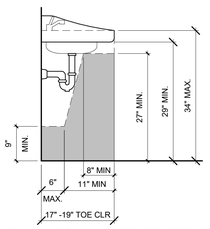
CORNER GUARD - PLASTIC 6 — 6" = 1'-0"



ROLLER WINDOW SHADE - WALL 2 — 3" = 1'-0"



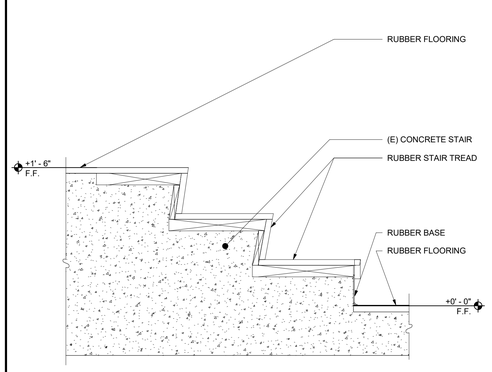
ROLL-UP COUNTER DOOR - SILL 11 — 3" = 1'-0"



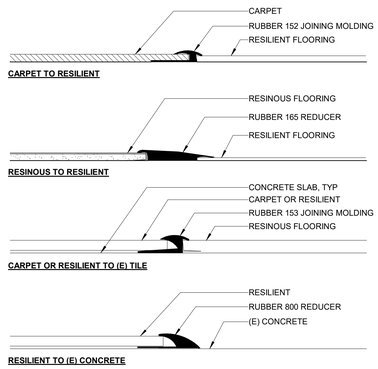
NOTES:
1. KNEE AND TOE SPACE (SHADED AREA) SHALL BE PROVIDED AS REQUIRED BY C.B.C. 11B-306.3. WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.
2. SHADED AREA IS THE ACCESSIBLE CLEAR SPACE.
3. SINK DEPTH 6" MAX.

10.004

REQUIRED KNEE & TOE CLEARANCES 7 — 3/4" = 1'-0"



STAIRS @ STAGE 5 — 1 1/2" = 1'-0"



FLOORING TRANSITIONS 1 — 6" = 1'-0"

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT RACHEL CHESTER HART C-25193 REN. 07/31/25 STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	03/01/2024
2	ADDENDUM #2	03/18/2024

KEYNOTES

NOTES

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DRIVE
SACRAMENTO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
INTERIOR DETAILS

DSA SUBMITTAL

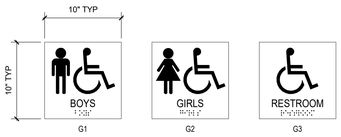
DATE: **01/04/2024** | CLIENT PROJ NO: **3186-070-000**

SHEET:

A10.03

THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PRINTED ON THIS SHEETS ORIGINAL PAGE SIZE

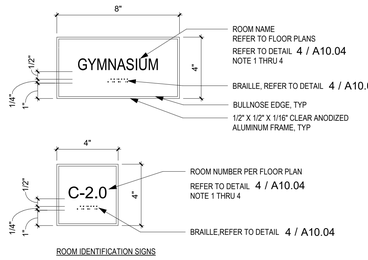
ASSISTIVE LISTENING DEVICE SIGN (NON-TACTILE) -TYPE D | 18 | 3" = 1'-0"



NOTES:

1. SIGN MATERIAL SHALL BE 1/8" ACRYLIC PLASTIC WITH 1/32" RAISED GRAPHICS AND LETTERS.
2. REFER TO 1 / A10.04 FOR MOUNTING HEIGHT.
3. SIGN LETTER SHALL BE AT LEAST 5/8" IN HEIGHT. BRAILLE SHALL BE PLACED AT 3/8" - 1/2" BELOW TACTILE COPY AND SHALL CONSIST OF CALIFORNIA CONTRACTED GRADE 2 BRAILLE.
4. PICTOGRAMS SHALL BE AT LEAST 6" HIGH

TOILET ROOM WALL SIGNAGE - TYPE G1, G2, G3 | 14 | 1 1/2" = 1'-0"

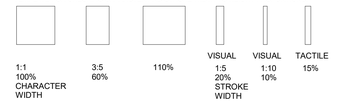


ROOM IDENTIFICATION SIGNS

BUILDING / ROOM IDENTIFICATION SIGN | 9 | 3" = 1'-0"

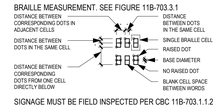
1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM AND SHALL BE SANS SERIF CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
2. CHARACTER PROPORTIONS: CBC 11B-703.2.4
   ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPE TO TEST, BEGIN BY PRINTING THE LETTERS I, X, AND 0 AT 1 INCH HIGH. USE 110% TEMPLATE TO DETERMINE IF THE "O" IS TOO WIDE. USE THE 3:5 (60%) RECTANGLE TO DETERMINE IF THE "O" IS TOO NARROW. USE THE 1:5 (20%) RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD FOR VISUAL LETTERS. FOR RAISED CHARACTER USE (15%) RECTANGLE. USE THE 1:10 (10%) RECTANGLE TO SEE IF THE "I" IS TOO NARROW FOR VISUAL LETTERS. IF THE TESTS ARE PASSES, THE TYP STYLE IS COMPLIANT WITH PROPORTION CODE.

   TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:

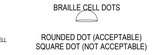


3. CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". CBC 11B-703.2.5
4. CHARACTER SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MIN. CBC 11B-703.2.7
5. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MIN. AND 170 PERCENT MAX. OF THE RAISED CHARACTER HEIGHT. CBC 11B703.2.8
6. TEXT SHALL BE IN HORIZONTAL FORMAT. CBC 11B-703.2.9
7. FINISH AND CONTRAST: PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. CBC 11B-703.6.2
8. BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2). BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATE OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. BRAIL SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" INCH MIN. AND 1/2" INCH MAX. FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS AND CENTERED BELOW TEXT ON SIGN PER FIGURE 11B-703.3.2.

   BRAILLE MEASUREMENT. SEE FIGURE 11B-703.3.1



   BRAILLE CELL DOTS

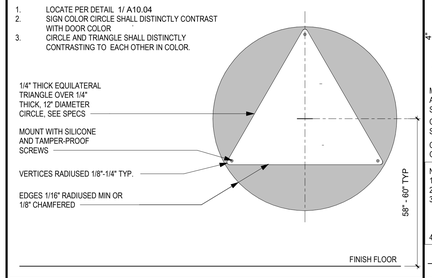


9. SIGNAGE MUST BE FIELD INSPECTED PER CBC 11B-703.1.1.2

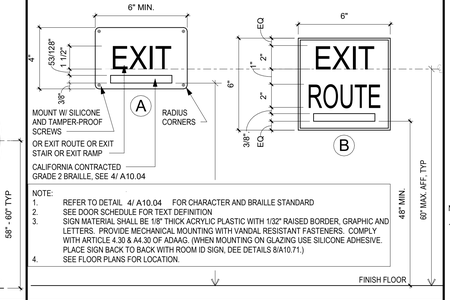
CHARACTER & BRAILLE STANDARDS | 4 | N.T.S.

NOTES:

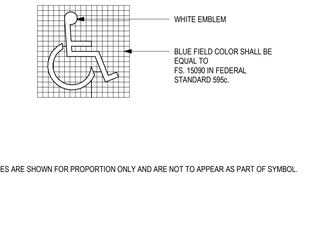
1. LOCATE PER DETAIL 1/ A10.04
2. SIGN COLOR CIRCLE SHALL DISTINCTLY CONTRAST WITH DOOR COLOR
3. CIRCLE AND TRIANGLE SHALL DISTINCTLY CONTRASTING TO EACH OTHER IN COLOR.



ALL GENDER DOOR SIGN - TYPE A3 | 13 | N.T.S.



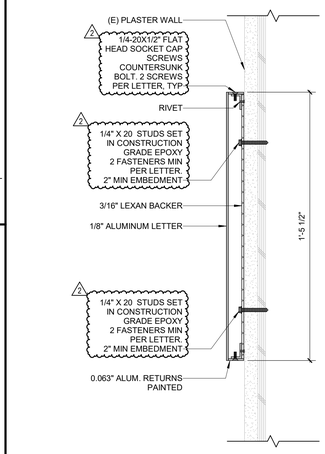
TACTILE EXIT SIGNAGE - TYPE C | 8 | 3" = 1'-0"



NOTES:

1. GRID LINES ARE SHOWN FOR PROPORTION ONLY AND ARE NOT TO APPEAR AS PART OF SYMBOL.

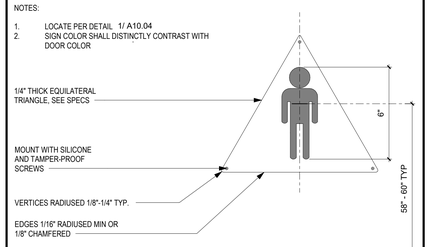
ACCESSIBILITY SYMBOL PROPORTIONS - TYPE D | 3 | N.T.S.



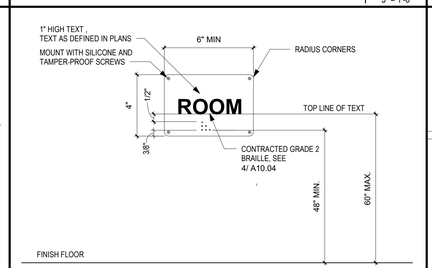
BUILDING NAME SIGN - WALL MOUNTED | 16 | 3" = 1'-0"

NOTES:

1. LOCATE PER DETAIL 1/ A10.04
2. SIGN COLOR SHALL DISTINCTLY CONTRAST WITH DOOR COLOR



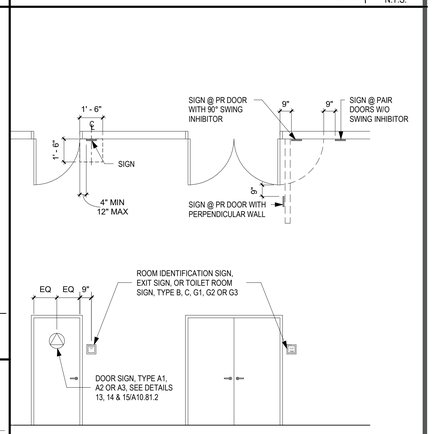
MENS DOOR SIGN - TYPE A2 | 12 | N.T.S.



NOTES:

1. REFER TO DETAIL 4/ A10.04 FOR CHARACTER AND BRAILLE STANDARDS.
2. WHERE SIGNAGE IS INSTALLED ON GLASS, SEE DETAIL

TACTILE RM IDENTIFICATION SIGN - TYPE B | 7 | N.T.S.



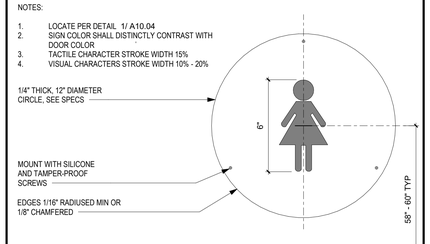
NOTES:

1. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE MOUNTED 48" MIN. ABOVE F.F., MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND RAISED TEXT 60" MAX. ABOVE F.F., MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS (CBC 11B-703.4.1). MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 0" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
2. IF SIGN IS MOUNTED TO GLAZING, SEE DETAIL BELOW
3. EASE ALL EDGES AND CORNERS OF SIGNS.

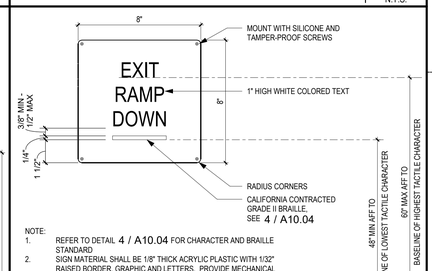
TYPICAL SIGNAGE LOCATIONS - SIGN MOUNTING ON GLASS | 1 | N.T.S.

NOTES:

1. LOCATE PER DETAIL 1/ A10.04
2. SIGN COLOR SHALL DISTINCTLY CONTRAST WITH DOOR COLOR
3. TACTILE CHARACTER STROKE WIDTH 15%
4. VISUAL CHARACTERS STROKE WIDTH 10% - 20%



WOMENS DOOR SIGN - TYPE A1 | 11 | N.T.S.



TACTILE EXIT RAMP DOWN SIGNAGE | 6 | 3" = 1'-0"

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

LICENSED ARCHITECT
MICHAEL CHESTER HMC
C-25193
REN. 07/31/25
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	03/01/2024
2	ADDENDUM #2	03/18/2024

KEYNOTES

NOTES

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DRIVE
SACRAMENTO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
SIGNAGE DETAILS

DSA SUBMITTAL

DATE: **01/04/2024** | CLIENT PROJ NO: **3186-070-000**

SHEET:

A10.04

Autodesk Docs://3186070000 - SCUSD Matsuyama ES Modernization/3186070000-A-MATSUYAMA-MOD.rvt
3/18/2024 11:24:11 AM

PLEASE RECYCLE

IF THIS LINE BROWN ABOVE IS EXACTLY 1" THEN THIS SHEET IS ORIGINAL MADE 30X

NAILING SCHEDULE:

DESCRIPTION	NAILING
ROOF	
1. BLKG BTWN CLG JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRMG BLW	3-8d TOE NAIL, EA END
BLKG BTWN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8d TOE NAIL OR 2-16d END NAIL, EA END
FLAT BLKG TO TRUSS & WEB FILLER	16d FACE NAIL @ 6"cc
2. CLG JOIST TO TOP PLATE	3-8d TOE NAIL EA JOIST
3. CLG JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OV/ PARTITIONS (NO THRUST)	3-16d FACE NAIL
4. CLG JOIST ATTACHED TO PARALLEL RAFTER, LAPS OV/ PARTITIONS (W/ THRUST)	CBC TABLE 2308.7.3.1
5. COLLAR TIE TO RAFTER	3-10d FACE NAIL
6. RAFTER OR TRUSS TO TOP PLATE (SEE CBC SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-10d TOE NAIL
7. RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS; OR RAFTER TO 2" RIDGE	3-10d TOE NAIL OR 2-16d END NAIL
WALL	
8. STUD TO STUD (NOT BRACED WALL PANELS)	16d @ 24"cc FACE NAIL
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (BRACED WALL PANELS)	16d @ 6"cc FACE NAIL
10. BUILT UP HEADER (2" TO 2" HEADER)	16d @ 16"cc FACE NAIL
11. CONT HEADER TO STUD	4-8d TOE NAIL
12. TOP PLATE TO TOP PLATE	16d @ 16"cc FACE NAIL
13. TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d EA SIDE OF END JOINT FACE NAIL (24" MIN LAP SPLICE EA END)
14. BOT PLATE TO JOIST, RIM, BAND JOIST OR BLKG (NOT @ BRACED WALL PANELS)	16d @ 16"cc
15. BOT PLATE TO JOIST, RIM, BAND JOIST OR BLKG (BRACED WALL PANELS)	2-16d @ 16"cc
16. STUD TO TOP OR BOT PLATE	4-8d TOE NAIL
17. TOP OR BOT PLATE TO STUD	2-16d END NAIL
18. TOP PLATED, LAPS AT CORNERS & INTERSECTIONS	2-16d FACE NAIL
19. 1" BRACE TO EA STUD & PLATE	2-8d FACE NAIL
20. 1x6 SHEATHING TO EA BEARING	2-8d FACE NAIL
21. 1x8 & WIDER SHEATHING TO EA BEARING	3-8d FACE NAIL
FLOOR	
22. JOIST TO SILL, TOP PLATE OR GIRDER	3-8d TOE NAIL
23. RIM JOIST, BAND JOIST, OR BLKG TO TOP PLATE, SILL, OR OTHER FRAMING BLW	8d @ 6"cc TOE NAIL
24. 1x6 SUB FLOOR OR LESS TO EA JOIST	2-8d FACE NAIL
25. 2" SUB FLOOR TO JOIST OR GIRDER	2-16d FACE NAIL
26. 2" PLANKS EA BEARING (PLANK & BEAM, FLOOR & ROOF)	2-16d FACE NAIL
27. BUILT UP GIRDERS & BEAMS, 2" LUMBER LAYERS	10d @ 24"cc FACE NAIL AT TOP & BOT, STAGGER ON OPPOSITE SIDES
28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d EA JOIST OR RAFTER FACE NAIL
29. JOIST TO BAND JOIST OR RIM JOIST	3-16d END NAIL
30. BRIDGING OR BLKG TO JOIST, RAFTER OR TRUSS	2-8d TOE NAIL EA END

ROUGH CARPENTRY-MATERIALS:

1. ALL SAWN LUMBER SHALL BE DOUG FIR UNO AND HAVE MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF INSTALLATION. EACH PIECE SHALL BEAR THE STAMP OF WCLIB OR WWPA SHOWING GRADE MARK.

2. ALL SAWN LUMBER TO BE SPECIES & GRADE AS NOTED BELOW:

MEMBER	SPECIES & GRADE
2x_ & 3x_STUDS	#1 DF
2x_ JOISTS, PLATES	#1 DF
4x_ HEADERS	#1 DF
4x_ COLUMNS	#1 DF
6x_ & LARGER HEADERS	SS DF
6x_ & LARGER COLUMNS	SS DF

2.1 MATERIAL EXPOSED TO WEATHER OR IN CONTACT W/CONCRETE SHALL BE PRESSURE TREATED

2.2 OPTIONAL FOR EXPOSED 8X_ BEAMS & POSTS TO BE #1 AC IN LIEU OF TREATED DF

2.3 STUDS TALLER THAN 12'-0" SHALL BE #1 DF

3. PRESERVATIVE TREATED & PRESSURE TREATED LUMBER

3.1 SAWN LUMBER TO BE PROTECTED FROM EARTH, WEATHER, EARTH, & CONCRETE/CMU OR WOOD SHALL BE TREATED

3.2 PRESERVATIVE TREATMENT & CLEARANCES TO SOIL OR CONCRETE SHALL BE PER CBC 2303.1.9 & 2304.12.1.2

3.3 FIELD CUTS & HOLES IN TREATED LUMBER SHALL BE PROTECTED IN ACCORDANCE W/AWPA STANDARD M4

3.4 CONTRACTOR TO COORDINATE WITH TREATED WOOD SUPPLIER TO DETERMINE THE APPROPRIATE LEVEL OF CORROSION PROTECTION FOR HARDWARE & FASTENERS IN CONTACT WITH WOOD TREATED WITH CORROSIVE CHEMICALS.

4. ALL WOOD PANEL STRUCTURAL SHEATHING SHALL BE STAMPED W/APA TRADEMARK AND CONFORM TO MOST CURRENT EDITION OF PS-1. USE THICKNESS AND NAILING AS SHOWN ON DRAWINGS. SHEATHING SHALL HAVE EXPOSURE RATING AS APPROPRIATE FOR ON-SITE EXPOSURE CONDITIONS DURING CONSTRUCTION AND IN FINAL CONDITION.

ROUGH CARPENTRY-NAILS:

1. ALL SPECIFIED NAILS SHALL CONFORM TO ASTM F1667 OR ICC ESR-1539. ALTERNATE FASTENERS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. ALL NAILS SHALL BE FULL ROUND HEAD WITH MINIMUM PROPERTIES AS FOLLOWS:

SPECIFIED FASTENER	DIAMETER	LENGTH	PENETRATION	APPLICATION
8d	.131"Ø	2½"	1⅜"	SHTG/FRMG
10d	.148"Ø	3"	1½"	SHTG/FRMG
16d BOX	.135"Ø	3½"	1⅜"	FRMG
16d SINKER	.148"Ø	3¼"	1½"	FRMG
16d COMMON	.162"Ø	3½"	1⅝"	FRMG

ALL NAILS SHALL BE COMMON WIRE NAILS EXCEPT WHERE SPECIFICALLY NOTED

2. NAILS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD. PREDRILL ALL FASTENERS 75% MAX OF FASTENER DIAMETER WHERE WOOD TENDS TO SPLIT.

3. TOENAILS SHALL BE DRIVEN AT AN ANGLE OF APPROX 30° WITH THE MEMBER AND STARTED APPROX ⅓ THE LENGTH OF THE NAIL FROM THE MEMBER END.

4. NAILS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.

5. MINIMUM NAILING SHALL BE PER CBC TABLE 2304.10.1 UNO (SEE TABLE ON THIS SHEET

6. NAILS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, NAILS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.

7. SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN ARE FLUSH WITH THE SURFACE OF THE SHEATHING.

ROUGH CARPENTRY-HARDWARE:

1. ALL STEEL CONNECTORS, STRAPS, HANGERS, HARDWARE, ETC SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL UNO. ATTACH WITH FASTENERS PER MFR TO ACHIEVE THE MAXIMUM TABULATED VALUE.

2. HARDWARE COMPONENTS AND FASTENERS INSTALLED AGAINST OR INTO TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, ALL HARDWARE AND FASTENERS INTO/AGAINST TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED (G185 MIN FOR HARDWARE) OR STAINLESS STEEL.

3. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.

4. NAILS FOR HARDWARE SHALL NOT BE OVERDRIVEN OR DEFORM THE PART. THE CONTRACTOR SHALL VERIFY WITH THE HARDWARE MFR THAT THE PART PUBLISHED CAPACITIES ARE NOT REDUCED AS A RESULT OF THE INSTALLED CONDITION.

5. FASTENER SUBSTITUTIONS FOR HARDWARE ARE NOT ALLOWED UNLESS APPROVED FOR USE BY THE MFR AND THE HARDWARE CAPACITY IS NOT REDUCED.

6. WASHERS AT WOOD CONNECTIONS SHALL BE SQUARE PLATE STEEL OR MALLEABLE IRON WITH THE FOLLOWING MIN DIMENSIONS:

FASTENER DIAMETER	MIN WASHER DIMENSIONS	MIN THICKNESS
½"	2" x 2"	5/16"
⅝"	2½" x 2½"	½"
¾"	2¾" x 2¾"	5/16"
⅞"	3" x 3"	½"
1"	3½" x 3½"	7/16" 5/8"

ROUGH CARPENTRY-LAG SCREWS:

1. ALL SPECIFIED LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.

2. LEAD HOLES FOR LAG SCREWS SHALL BE BORED TO AVOID SPLITTING OF WOOD MEMBERS. THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AND LENGTH AS THE UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL NOT EXCEED 70% OF THE SHANK DIAMETER AND HAVE MIN LENGTH EQUAL TO THREADED PORTION.

3. LAG SCREWS SHALL BE INSTALLED BY TURNING OF THE LAG SCREW & NOT BY DRIVING OF A HAMMER.

4. SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE LAG SCREW.

5. LAG SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, LAG SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.

6. LAG SCREWS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER WITH CORROSION PROTECTION TO MATCH THE LAG SCREW.

7. ALL LAG SCREWS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

DESIGN CRITERIA:

1. PROJECT ADDRESS: 7680 WINDBRIDGE DRIVE SACRAMENTO, CA 95831

2. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE

3. GRAVITY LOADS: (ESTIMATES OF AS-BUILT CONDITIONS)
   BUILDING ROOFS
   ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
   ROOF DEAD LOAD = 14 PSF
   WALL WEIGHTS
   EXTERIOR WALLS = 15 PSF
   INTERIOR WALLS = 10 PSF

4. LATERAL LOADS: RISK CATEGORY III
   WIND LOADS (ASCE 7-16)
   BASIC WIND SPEED 100 MPH (77 MPH ASD)
   EXPOSURE C
   BUILDINGS ARE CONSIDERED "ENCLOSED"
   PRESSURE COEFFICIENTS
   INTERNAL PRESSURE COEFFICIENT, GC_{pi} = ± 0.18
   TOPOGRAPHIC FACTOR, K_{zt} = 1.00
   WIND DIRECTIONALITY FACTOR, K_d = 0.85
   GROUND ELEVATION FACTOR, K_e = 1.00
   VELOCITY PRESSURES
   q (0'-15') = 11.0 PSF (ASD)
   q (15'-20') = 11.6 PSF (ASD)
   q (20'-25') = 12.3 PSF (ASD)
   SEISMIC LOADS (ASCE 7-16)
   SITE CLASS D
   SEISMIC DESIGN CATEGORY D
   IMPORTANCE FACTOR 1.25
   REDUNDANCY, ρ 1.0
   S_s = 0.630 S_1 = 0.268
   F_a = 1.296 F_v = 2.064
   S_{ms} = 0.816 S_{m1} = 0.830*
   S_{ds} = 0.544 S_{d1} = 0.560*
   *VALUES PER GEOTECH REPORT-TABLE 1
   MECHANICAL EQUIPMENT (ASCE 7-16)
   IMPORTANCE FACTOR, I_e 1.00
   RESPONSE MOD FACTOR, R_p 6.0
   AMPLIFICATION FACTOR, a_p 2.5

5. SOILS CRITERIA:
   GEOTECHNICAL ENGINEERING REPORT BY UNIVERSAL ENGINEERING SCIENCES.
   PROJECT NUMBER 4630.2300091.0016
   DATED DECEMBER 14, 2023

INSPECTION NOTES:

1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A QUALIFIED TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 PART 1, 4-335).

2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPTER 17A OF THE 2022 CBC AND THE PROJECT SPECIFIC DSA-103.

3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF THREE YEARS OF EXPERIENCE WITH MATERIAL BEING INSPECTED.

4. ITEMS EXEMPTED FROM TESTING AND INSPECTION REQUIREMENTS PER DSA-103:

2 4.1 DEEP FOUNDATIONS ACTING AS A CANTILEVER FOOTING.

1 4.2 BATCH PLANT INSPECTION FOR CONCRETE USED IN EXTERIOR NON-STRUCTURAL CONCRETE.

4.3 EPOXY DOWELS USED IN EXTERIOR NON-STRUCTURAL CONCRETE.

4.4 TESTING OF REINFORCING STEEL USED IN EXTERIOR NON-STRUCTURAL CONCRETE.

POST INSTALLED ANCHOR NOTES:

1. ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.

2. ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS.

3. ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.

4. ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17A OF THE 2022 CBC. ALL TESTING SHALL BE DONE BY A CERTIFIED TESTING LABORATORY AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR.

5. POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:

5.1 EXPANSION ANCHORS IN CONCRETE
HILTI KB TZ2 PER ICC ESR 4266

1 5.2 EPOXY ANCHORS IN CONCRETE
HILTI HIT-HY 200 V3 PER ICC ESR 4868

6. POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.

7. POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC ESR-4266 TABLE 1

ANCHOR DIAMETER	⅜"Ø	½"Ø	⅝"Ø
BIT DIAMETER	⅜"Ø	½"Ø	⅝"Ø
NOMINAL EMBEDMENT	2½"Ø	2½"Ø	4¼"Ø
HOLE DEPTH	2¾"Ø	2¾"Ø	4¾"Ø
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

STRUCTURAL SHEET INDEX:

ABBREVIATIONS:

@	AT
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECT/ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BLKG	BLOCKING
BLW	BELOW
BTWN	BETWEEN
B.O.	BOTTOM OF
BOT	BOTTOM
CBC	CALIFORNIA BUILDING CODE
cc	CENTER TO CENTER
CJ	COLD JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
Ø	DIAMETER
DWGS	DRAWINGS
DSA	DIVISION OF THE STATE ARCHITECT
ES	EDGE SCREW w/SPACING PER SHEAR WALL DIAGRAMS
F.O.	FACE OF
FRMG	FRAMING
HD	HOLDOWN
HSS	HOLLOW STRUCTURAL SECTION
L	STEEL ANGLE
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MIN	MINIMUM
NTS	NOT TO SCALE
#	NUMBER OR POUNDS
OH	OPPOSITE HAND
OV/	OVER
PAF	POWDER-ACTUATED FASTENER
PJ	PANEL JOINT
SEOR	STRUCTURAL ENGINEER OF RECORD
SMS	SHEET METAL SCREW
T & B	TOP AND BOTTOM
THRU	THROUGH
T.O.	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
w/	WITH

GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2022 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.

2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION.

3. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL LIKE CONDITIONS UNLESS OTHERWISE NOTED OR DETAILED.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.

6. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIMES (T-24 PART 1, 4-317(c).

8. ALL CHANGES TO THE ACCESSIBILITY, FIRE AND LIFE SAFETY, AND STRUCTURAL PORTIONS OF THE APPROVED DRAWINGS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD). ALL SUCH CHANGES BY CCD ARE TO BE SIGNED BY THE SEOR, THE OWNER, AND APPROVED BY DSA. CHANGES BY CCD ARE NOT VALID UNTIL APPROVED BY DSA (T-24, PART 1, 4-338).

9. A PROJECT INSPECTOR (INSPECTOR OF RECORD, IOR) EMPLOYED BY THE OWNER/DISTRICT AND CERTIFIED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK

10. THE STRUCTURAL ENGINEER SHALL PERFORM DUTIES PER T-24 PART 1, 4-333(a) AND 4-341. THE CONTRACTOR SHALL PERFORM DUTIES PER 4-343. THE IOR SHALL PERFORM DUTIES PER T-24 PART 1, 4-342.

DRAWING STANDARDS:

SHEET NUMBERING
- STRUCTURAL SHEETS
- DRAWING TYPE
  - 0 TYPICAL
  - 2 PLANS
  - 3 ELEVATIONS & SECTIONS
  - 4 DETAILS
- SHEET NUMBER WITHIN DRAWING TYPE

S2.01

SYMBOLS

1 / SX.XX — STANDARD DETAIL & LOCATION

A — GRID LINE @ FACE OF WALL

A — GRID LINE @ CENTER OF WALL

PLEASE RECYCLE

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

HMC ARCHITECTS
3186-070-000
2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA 95816
916 325 1100 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	FEBRUARY 22, 2024
2	ADDENDUM #2	MARCH 15, 2024

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY T. RICHARDSON CIVIL STATE OF CALIFORNIA

3/15/2024

FACILITY:

MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

PROJECT:

MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:

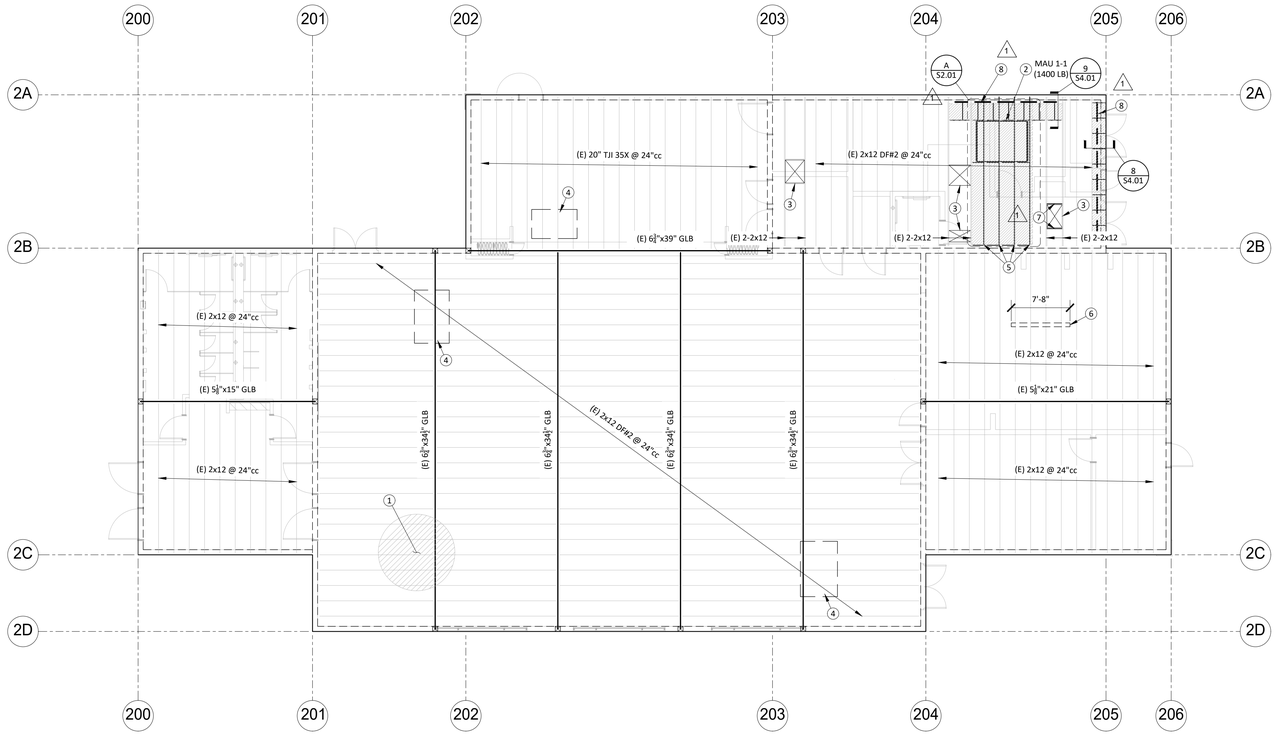
TYPICAL STRUCTURAL NOTES

CONSTRUCTION DOCUMENTS

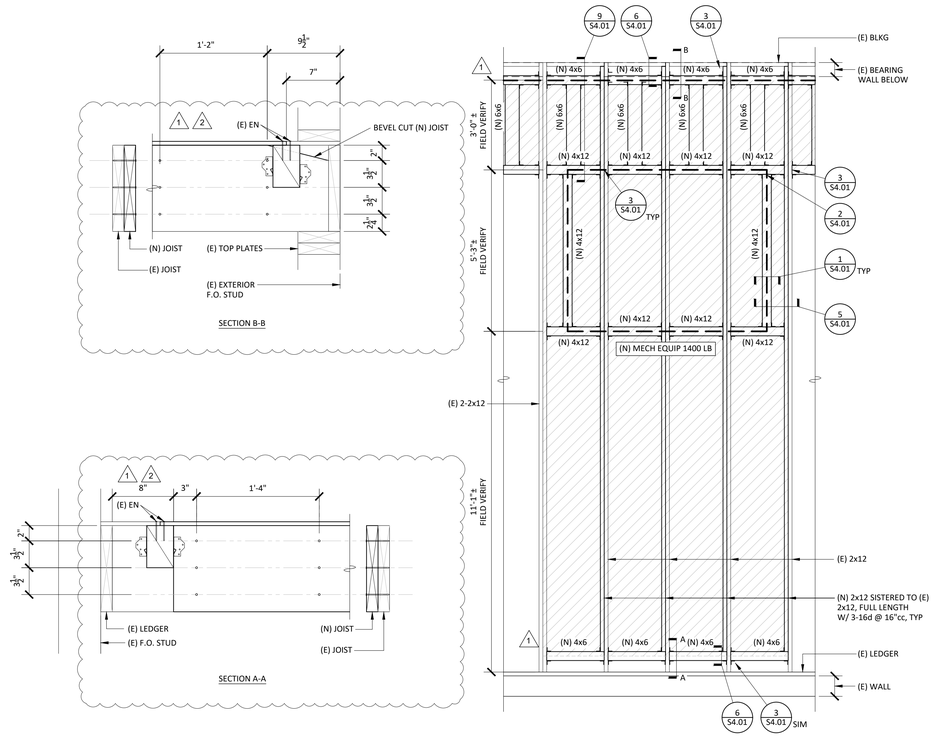
DATE: **02/27/2024** CLIENT PROJ NO: **3186-070-000**

SHEET:

S0.01



STRUCTURAL PLAN
BUILDING 1 - ROOF
1/8" = 1'-0"



PARTIAL FRAMING
PLAN
1/4" = 1'-0"

STRUCTURAL PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE HVAC UPGRADES TO THE BUILDING. ALL WORK PERFORMED IS TO NOT IMPACT EXISTING LATERAL FORCE RESISTING SYSTEM.
3. NEW ROOF-TOP MECHANICAL EQUIPMENT IS TO BE PLACED ON CURB PER MECHANICAL DRAWINGS.
4. ALL NEW ROOF FRAMING REQUIRED IS TO BE INSTALLED FROM ABOVE THE ROOF DECK OR STRUCTURAL SHEATHING UNO.
5. ALL DUCT DROP OPENINGS IN THE ROOF ARE EXISTING. NO NEW ROOF PENETRATIONS ARE TO BE CREATED WITHOUT PRIOR APPROVAL OF SEOR AND DSA.
6. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AT LOCATION OF EQUIPMENT PRIOR TO COMMENCING WORK.

STRUCTURAL PLAN LEGEND:

- EXISTING STUD WALL
- EXISTING BEAM/GIRDER MEMBER
- EXISTING JOIST/RAFTER MEMBER
- NEW FRAMING MEMBER
- NEW HVAC EQUIPMENT
- EXISTING HVAC EQUIPMENT
- EXTENT OF EXISTING SHEATHING TO BE REMOVED AND REPLACED WITH NEW 15/32" STRUCT 1 EXTERIOR GRADE - NAIL ALL EDGES w/ 8d @ 4"cc AND NAIL FIELD w/ 8d @ 12"cc

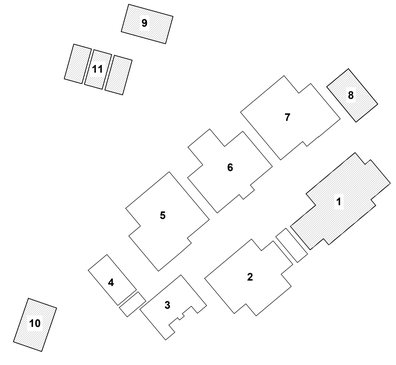
STRUCTURAL PLAN KEYNOTES:

1. EXISTING ½" PLYWOOD ROOF SHEATHING
2. NEW HVAC EQUIPMENT TO BE INSTALLED ON NEW CURB, WEIGHT INDICATED IN PARENTHESIS - SEE MECHANICAL DRAWINGS, 2/M8.02 & 1/S4.01
3. EXISTING OPENINGS TO REMAIN
4. EXISTING UNIT TO REMAIN
5. (N) 2x12 SISTERED TO (E) 2x12 w/ 3-16d @ 16"cc
6. (N) INTERIOR PARTITION WALL BELOW - SEE ARCHITECTURAL DRAWINGS, 1/A7.11 & 4/S4.01
7. (N) 4x6 BLKG, MAY BE INSTALLED FROM BELOW PROVIDED INTERIOR FINISHES ARE NOT ALTERED - SEE MECHANICAL DRAWINGS, 3/M8.02 & 2/S4.01
8. NEW GUARDRAIL - SEE ARCHITECTURAL DRAWINGS, 5/A10.01

SHEET REFERENCE TABLE:

BUILDING	SHEET(S)
1	SEE SHEETS S2.01 & S4.01
2	NO STRUCTURAL SCOPE
3	NO STRUCTURAL SCOPE
4	NO STRUCTURAL SCOPE
5	NO STRUCTURAL SCOPE
6	NO STRUCTURAL SCOPE
7	NO STRUCTURAL SCOPE
8	SEE SHEET S4.02
9	SEE SHEET S4.02
10	SEE SHEET S4.02
11	SEE SHEET S4.02

BUILDING KEY PLAN:



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HMC ARCHITECTS
3186-070-000
2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA 95816
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ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	FEBRUARY 22, 2024
2	ADDENDUM #2	MARCH 15, 2024

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

REGISTERED PROFESSIONAL ENGINEER GREGORY T. RICHARDSON 25659 STRUCTURAL STATE OF CALIFORNIA

3/15/2024

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
STRUCTURAL PLAN - BUILDING 1

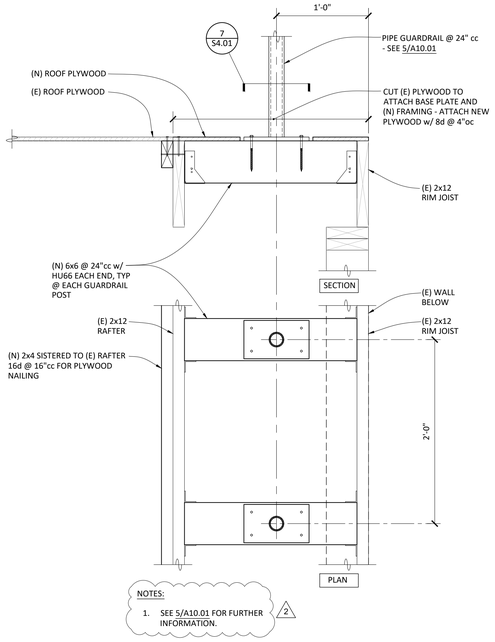
CONSTRUCTION DOCUMENTS

DATE: **02/27/2024** | CLIENT PROJ NO.: **3186-070-000**

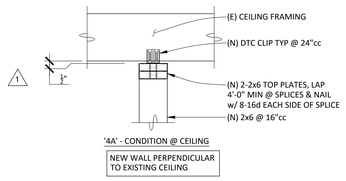
SHEET:

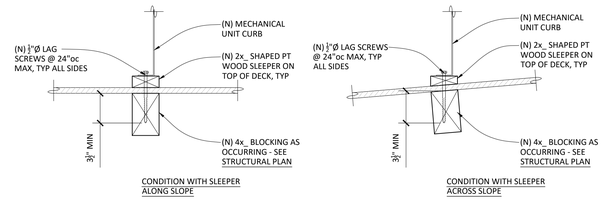
S2.01

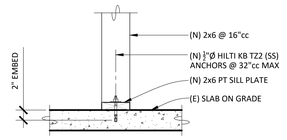
THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PRINTED ON THIS SHEET'S ORIGINAL MADE SIZE



DETAIL 8 — 1½" = 1'-0" — 1







TZ2 ANCHOR NOTES:

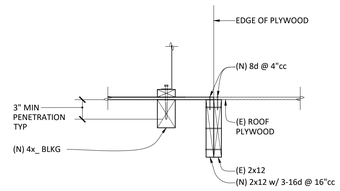
1. PERIODIC INSPECTION REQUIRED.
2. TORQUE TEST 10% OF ANCHORS TO 40 FT-LB.

'4B' - CONDITION @ SLAB

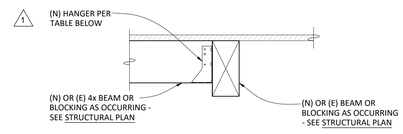
DETAIL 4 — 1" = 1'-0"

CONDITION @ NEW CURB

DETAIL 1 — 1½" = 1'-0"

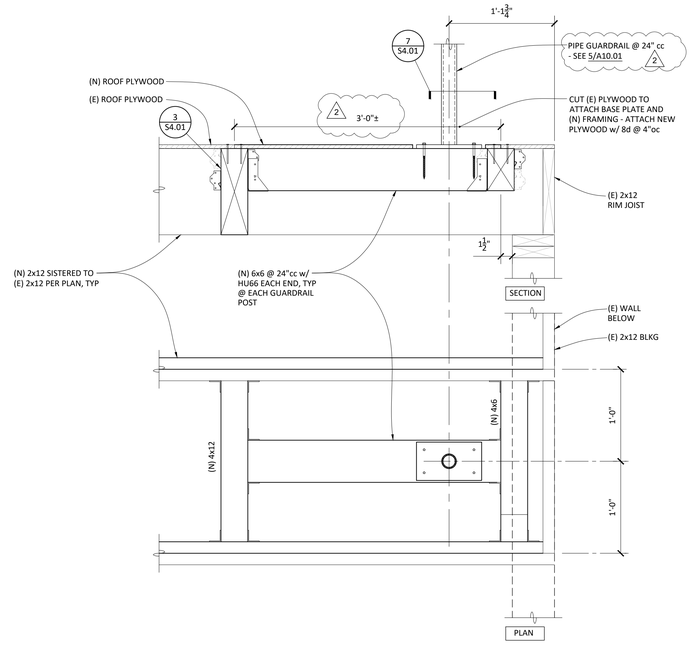


DETAIL 5 — 1½" = 1'-0"

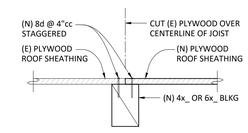


BRG SECTION	HANGER
4x6, 4x8	SIMPSON LUS46
4x10, 4x12	SIMPSON LUS410
4x14	SIMPSON LUS414

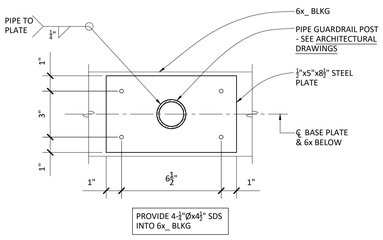
DETAIL 2 — 1½" = 1'-0"



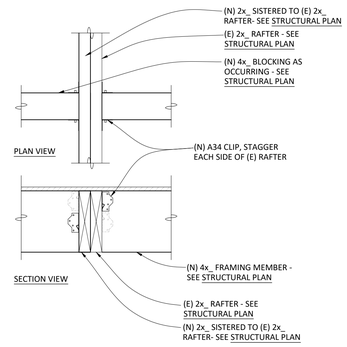
DETAIL 9 — 1½" = 1'-0" — 1



DETAIL 6 — 1½" = 1'-0"



DETAIL 7 — 3" = 1'-0" — 1



THIS DETAIL IS TO BE USED WHERE NEW 4x_ MEMBERS ARE TO BE FRAMED INTO EXISTING RAFTERS

DETAIL 3 — 1½" = 1'-0"

PLEASE RECYCLE

AGENCY APPROVAL:

Sacramento City Unified School District

HMC ARCHITECTS
3186-070-000
2101 CAPITOL AVENUE, SUITE 100
SACRAMENTO, CA 95816
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GREGORY T. RICHARDSON — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3/15/2024

FACILITY:

MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

PROJECT:

MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:

DETAILS

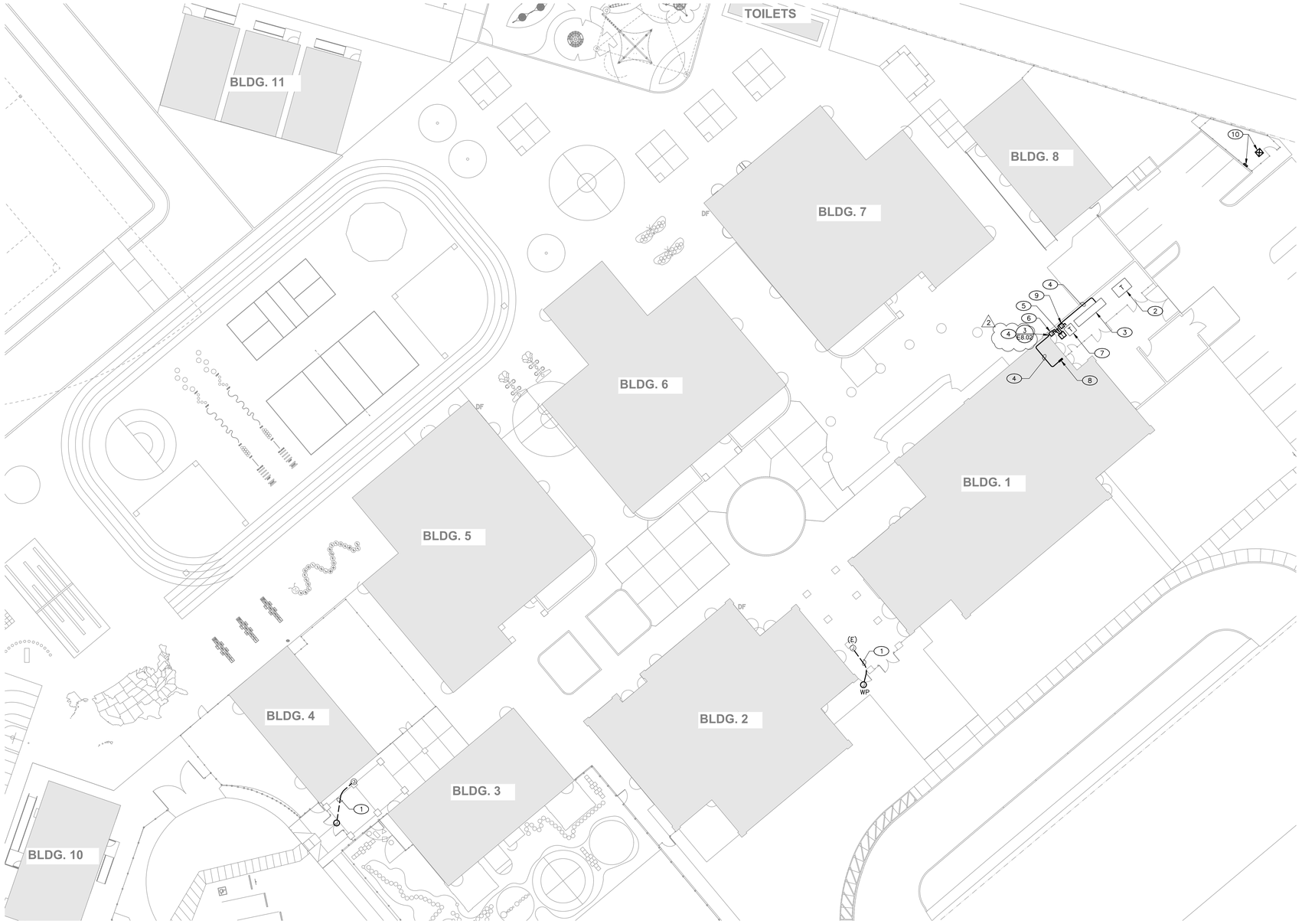
CONSTRUCTION DOCUMENTS

DATE: **02/27/2024** | CLIENT PROJ NO: **3186-070-000**

SHEET:

S4.01

THE LINE BROWN ABOVE IS EXACTLY 1" WHEN PRINTED AT THIS SHEET'S ORIGINAL MADE SIZE



KEY NOTES

1. PROVIDE (1) 1" UNDERGROUND CONDUIT FROM THE (E) J-BOX TO THE SECURITY GATE HARDWARE. COORDINATE THE EXACT LOCATIONS WITH TECHNOLOGY DRAWINGS.
2. (E) UTILITY SERVICE TRANSFORMER.
3. (E) SERVICE MAIN SWITCHBOARD.
4. (N) CONDUITS AND CONDUCTORS, SEE ONE LINE DIAGRAM ON SHEET E6.01 FOR MORE INFO.
5. (N) OUTDOOR RATED TRANSFORMER "T-5", SEE ONE LINE DIAGRAM ON SHEET E6.01 FOR MORE INFO. SEE DETAIL 1&2/E8.02.
6. (N) 400AS/225AF/3P OUTDOOR RATED HEAVY DUTY FUSIBLE DISCONNECT SWITCH. SEE ONE LINE DIAGRAM ON SHEET E6.01 FOR MORE INFO.
7. (E) TRANSFORMER "T-1".
8. (N) PANEL "K", SEE E2.11 FOR LOCATION AND ONE LINE DIAGRAM ON SHEET E6.01. SEE PANEL SCHEDULE ON SHEET E7.01. SEE DETAIL 3/E8.01.
9. (E) WALL MOUNTED DISCONNECT SWITCH.
10. (E) IRRIGATION PUMP AND CONTROLLER TO BE REPLACED BY IRRIGATION CONTRACTOR. ELECTRICAL CONTRACTOR SHALL RECONNECT THE (N) PUMP AND CONTROLLER TO THE (E) 208V/3-PHASE, 50A CIRCUIT. RESERVE AND PROTECT THE (E) IRRIGATION PUMP CIRCUIT DURING THE CONSTRUCTION. PROVIDE ALL POWER AND CONTROL CONNECTIONS BETWEEN THE IRRIGATION PUMP AND THE CONTROLLER AS A COMPLETE AND OPERABLE SYSTEM. REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL REQUIREMENT.

GENERAL NOTES

A. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40. ALL ABOVE GROUND CONDUITS SHALL BE GRC.

TN
PN

ELECTRICAL ENLARGED SITE PLAN 1
1" = 20'-0"

PLEASE RECYCLE

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HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
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MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 23-2274

REGISTERED PROFESSIONAL ENGINEER
RAMI S. ZEIDAN
No. E 16762
Exp. 9/30/24
ELECTRICAL
STATE OF CALIFORNIA

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
ELECTRICAL ENLARGED SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: **01/04/2024** | CLIENT PROJ NO: **3186-070-000**

SHEET:

E1.12

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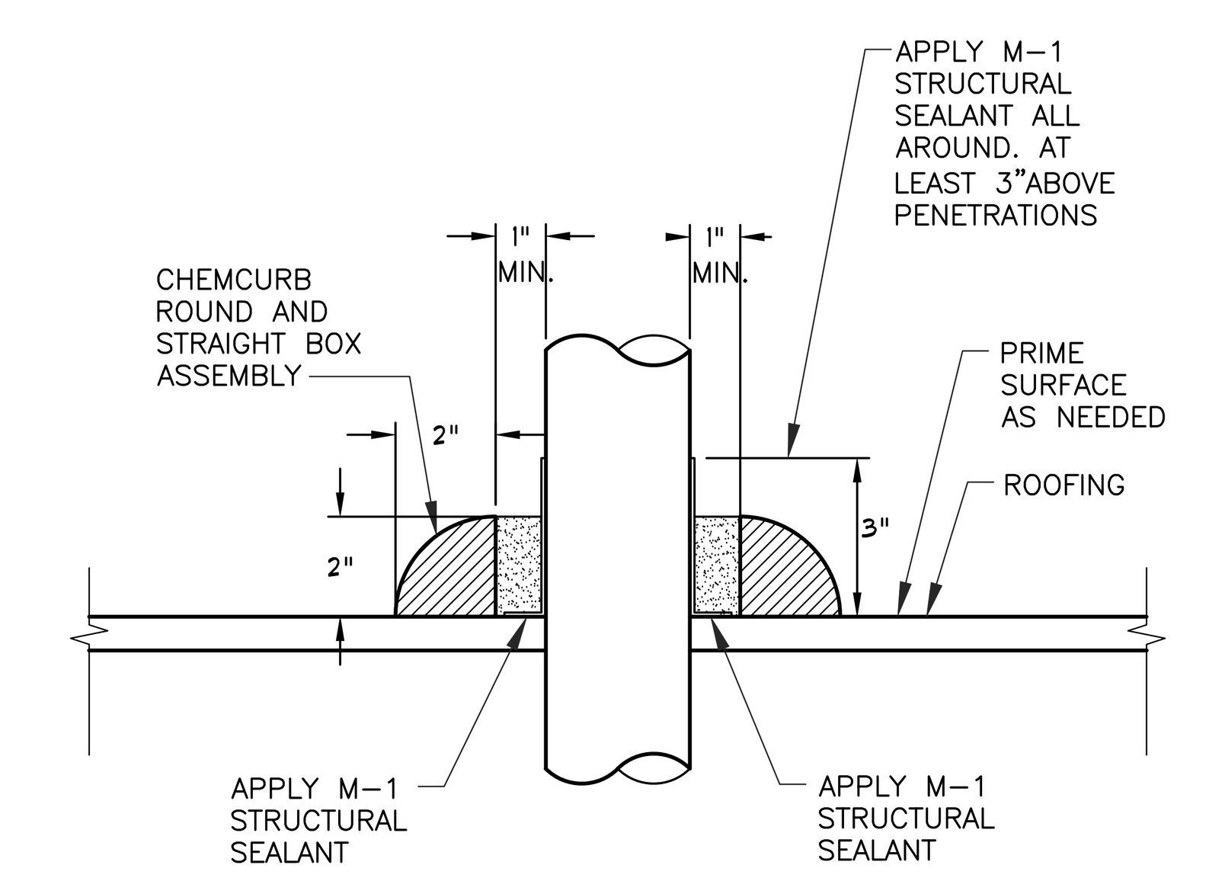
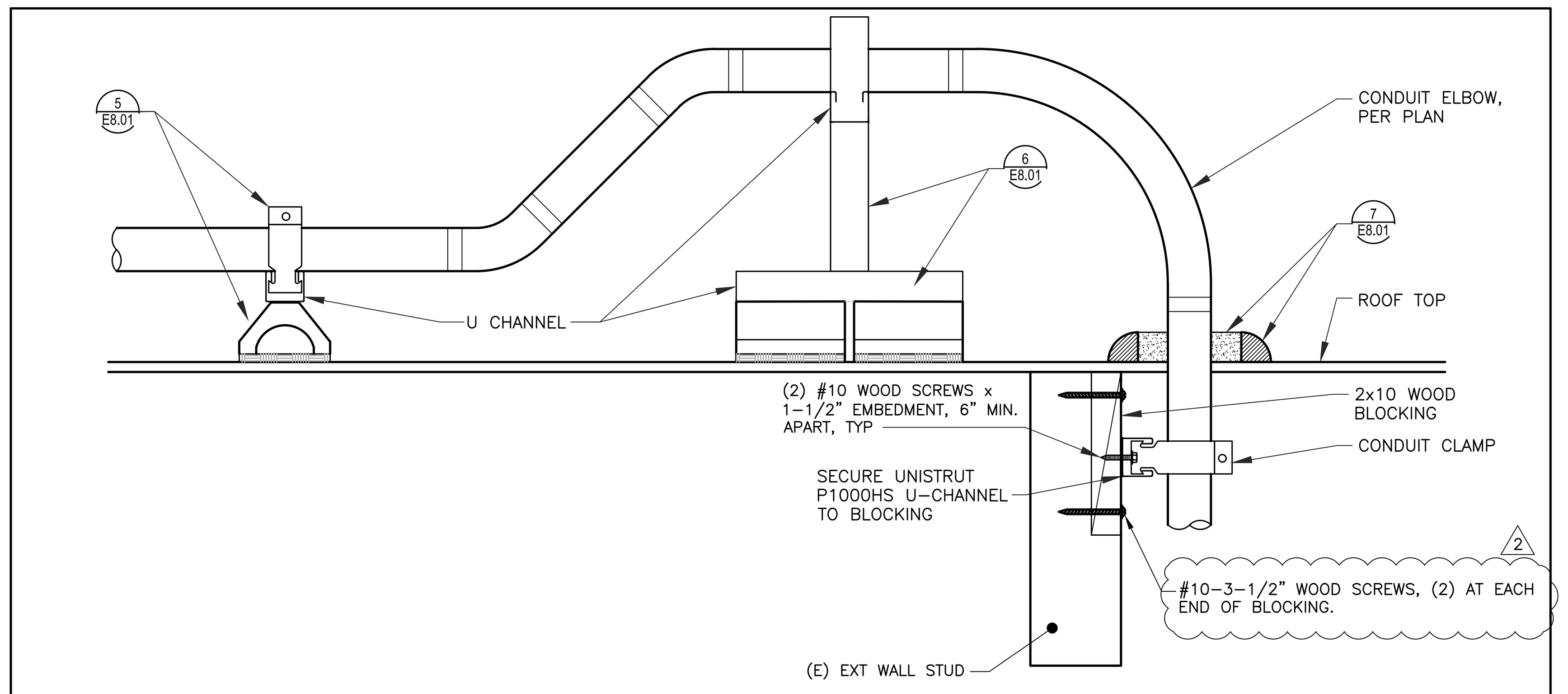
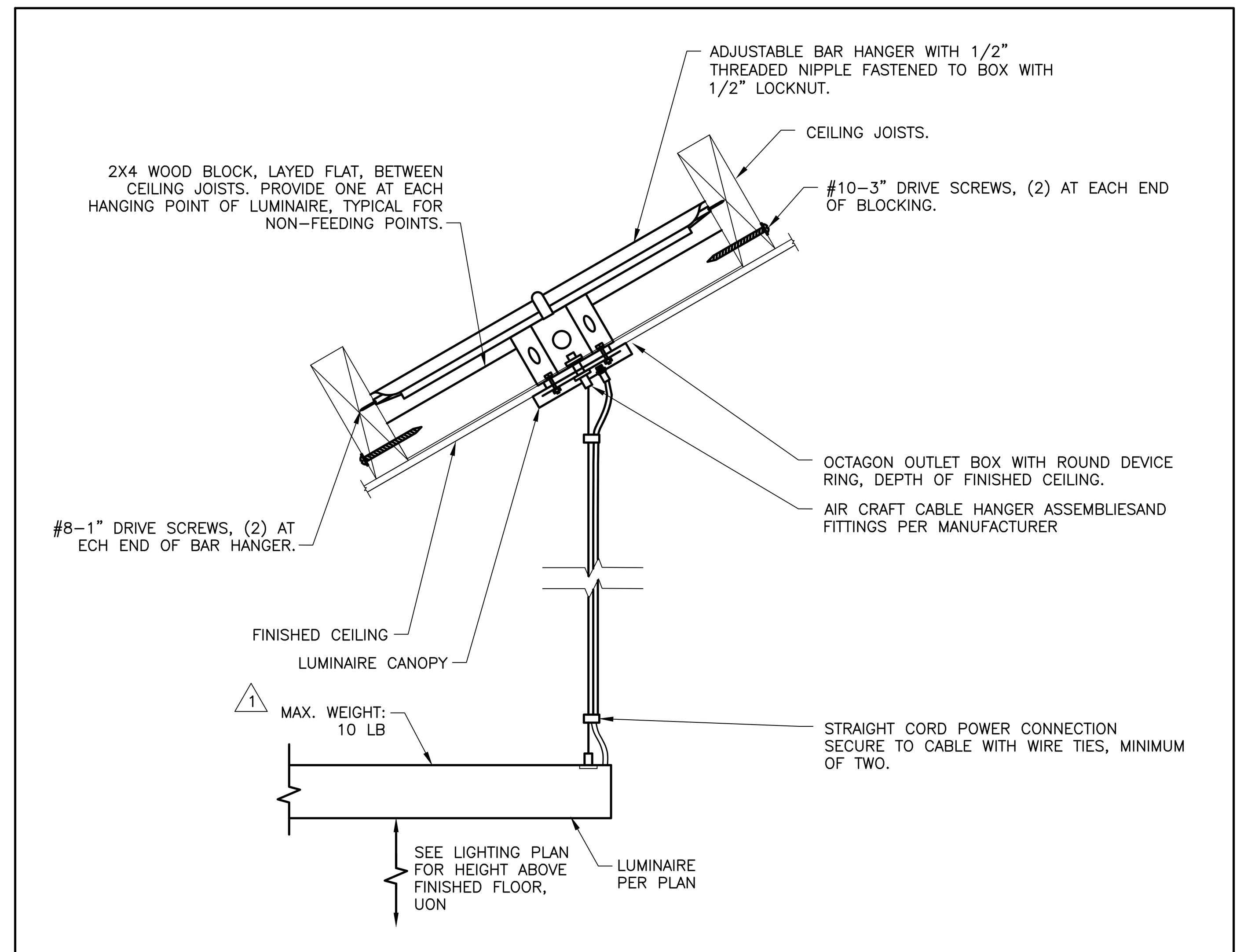


CONDUIT PENETRATION CROSS SECTION NTS 7

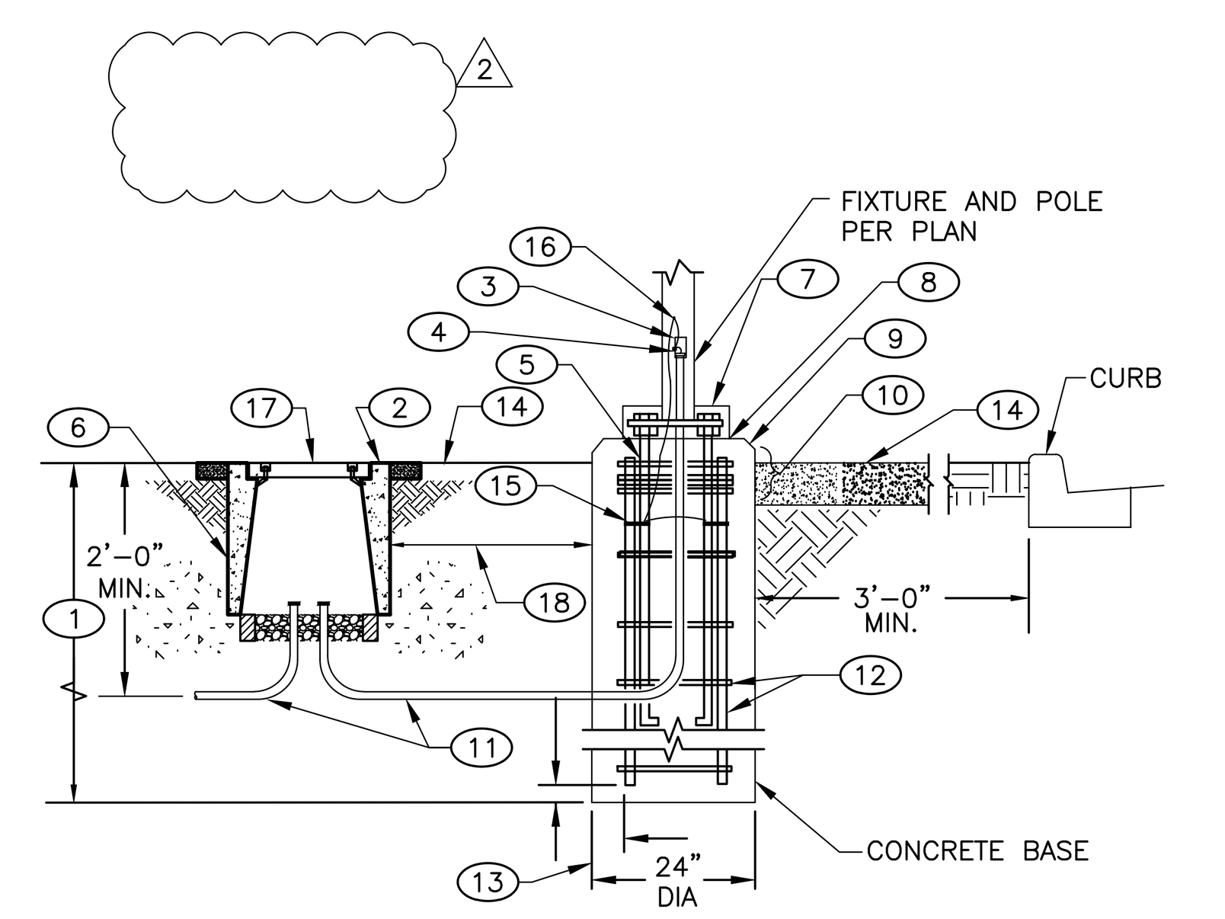


ROOF CONDUIT SUPPORT / PENETRATION DETAIL NTS 4



CABLE SUSPENDED LUMINAIRE MOUNTING DETAIL NTS 1
AT "OPEN SPACE"

1. PROVIDE 48" MINIMUM FOR LIGHT POLE UP TO 25 FEET, AND 60" MINIMUM FOR LIGHT POLE UP TO 35 FEET. COORDINATE CONCRETE BASE SIZE WITH STRUCTURAL ENGINEER.
2. UNDERGROUND PULL BOX REQUIRED ADJACENT TO POLE BASE WHERE INDICATED ON DRAWINGS. SET TOP OF PULLBOX FLUSH WITH FINISHED GRADE.
3. GASKETED HANDHOLE COVER WITH TWO STAINLESS STEEL TAMPERPROOF SCREWS.
4. CONNECT GROUND WIRE TO GROUNDING LUG OF POLE AT HANDHOLE.
5. FOUR ANCHOR BOLTS, SIZE PER MANUFACTURER'S STANDARDS.
6. PROVIDE PULL BOX ONLY WHERE SHOWN ON PLAN.
7. BASECOVER, SECURE TO POLE AND/OR BASE.
8. PROVIDE 1 1/2" MINIMUM AND 3" MAXIMUM GROUT AROUND THE BASE AFTER PLUMB. SLOPE TO GRADE FOR DRAINAGE.
9. PROVIDE CONCRETE BASE WITH 1/2" CHAMFER. CONCRETE FILL AND SACK FINISH ALL CONCRETE SURFACE IMPERFECTIONS, CAVITIES AND VOIDS ABOVE FINISHED GRADE .
10. PROVIDE (3) #3 REBAR TIES, REINFORCE STEEL HOOPS 2" ON CENTERED WITHIN TOP 5"AREA.
11. CONDUIT PER PLAN.
12. PROVIDE (6) #4 REINFORCE STEEL RODS AND #3 REINFORCE STEEL HOOPS 9" ON CENTER. SIZE PER MANUFACTURER'S STANDARDS.
13. PROVIDE 3" CLEAR IF CAST AGAINST EARTH, TYPICAL.
14. FINISHED GRADE OR PAVING PER ARCHITECTURAL DRAWINGS.
15. UL LISTED GROUND CLAMP SUITABLE FOR CONCRETE ENCASEMENT OR DIRECT BURIAL. INSTALL CLAMPS ON ALL ANCHOR BOLTS, TYPICAL.
16. SPLICE GROUND WIRE AND EXTEND TO GROUND CLAMP AT ANCHOR BOLT.
17. PROVIDE TRAFFIC BOLT-DOWN COVER.
18. LOCATE PULL BOX ADJACENT TO THE POLE CONCRETE BASE.



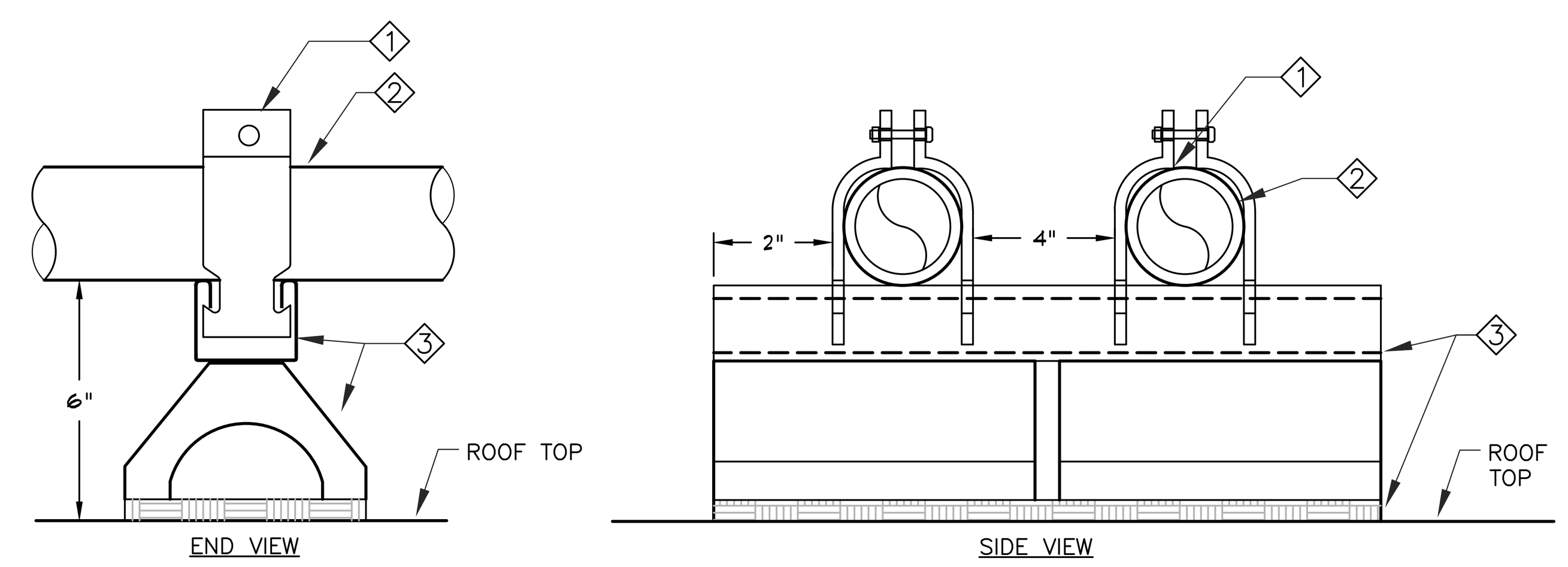
APPLICABLE AT PEDESTRIAN WALKWAY

FIXTURE POLE BASE MOUNTING DETAIL NTS 8

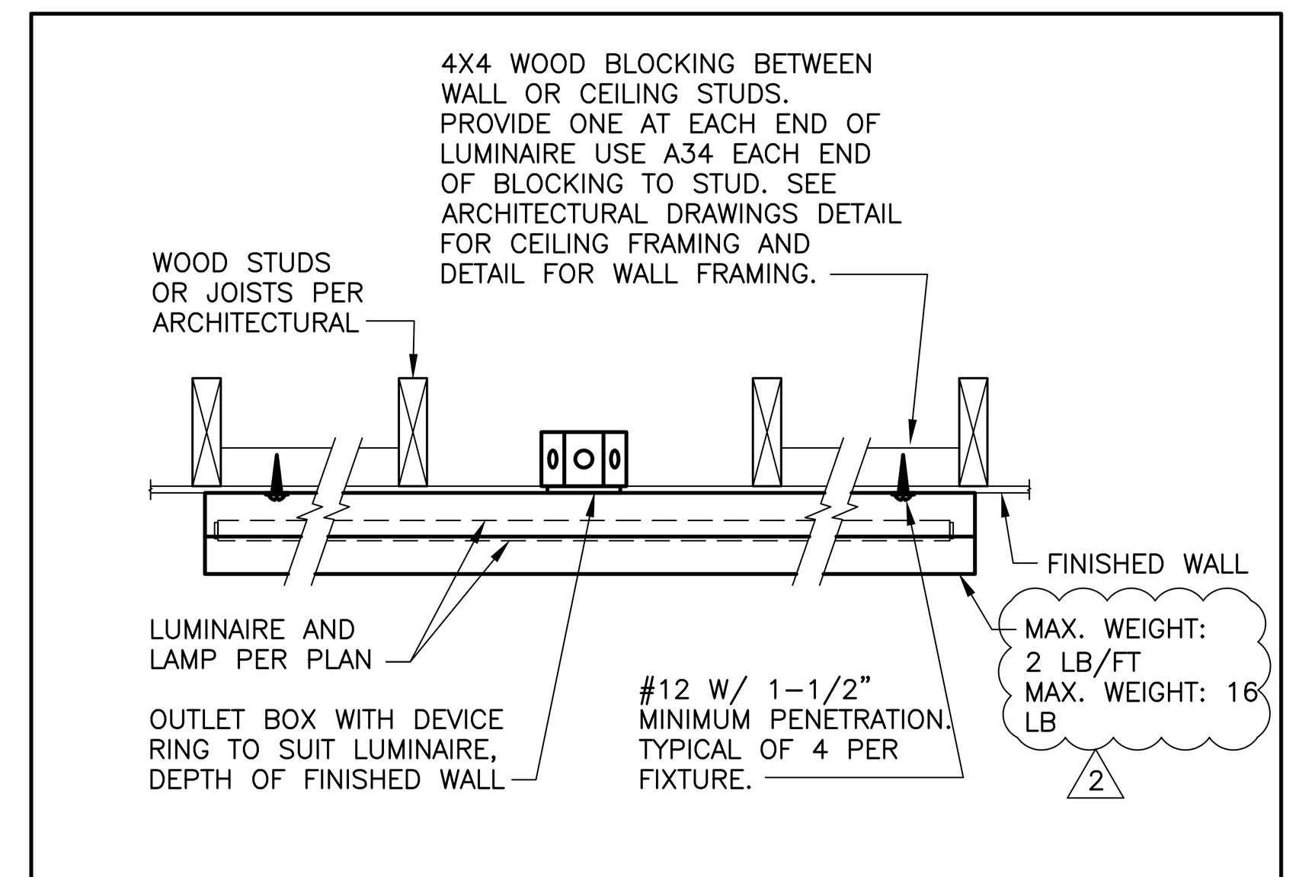
KEY NOTES

1. HOT-DIPPED GALVANIZED UNISTRUT CONDUIT CLAMP. SIZE AS REQUIRED.
2. CONDUIT AS NOTED ON DRAWINGS.
3. ROOFTOP SUPPORT BASE, B-LINE C6 SERIES WITH HOT-DIPPED GALVANIZED B22SH CHANNEL. SECURE TO ROOF WITH A FULL BED OF NON-HARDENING ADHESIVE TYPE MASTIC.

NOTE:
ALL SUPPORTS TO BE MAX 10 FT ON CENTER AND MAX 3 FT FROM ALL CONDUIT TERMINATIONS WHERE OCCURS



ROOF CONDUIT LOW SUPPORT DETAIL NTS 5

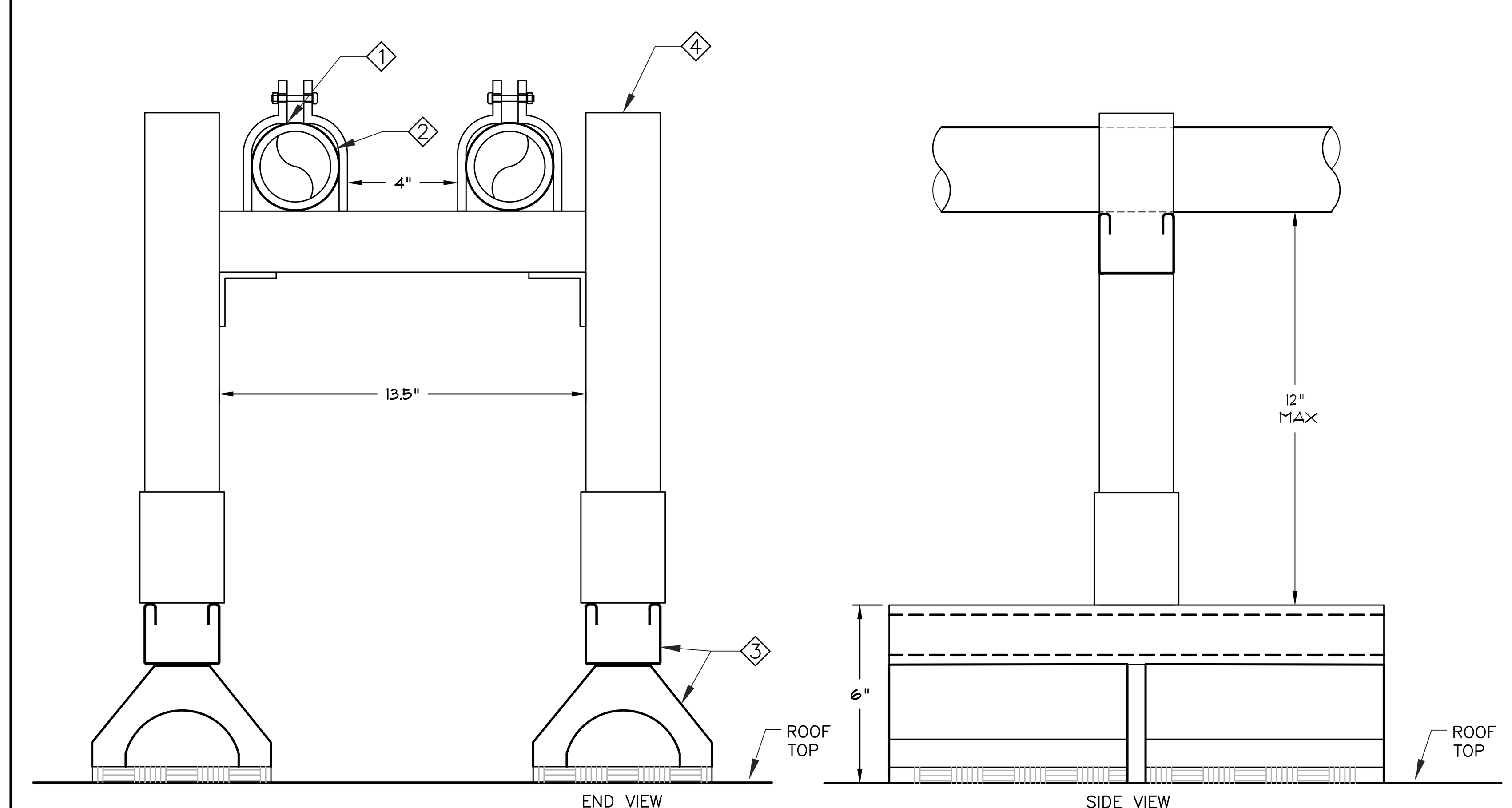


WALL/CEILING SURFACE LIGHT FIXTURE MOUNTING DETAIL FOR WOOD FRAMING NTS 2

KEY NOTES

1. HOT-DIPPED GALVANIZED UNISTRUT CONDUIT CLAMP. SIZE AS REQUIRED.
2. CONDUIT AS NOTED ON DRAWINGS.
3. ROOFTOP SUPPORT BASE, B-LINE DB_DS SERIES WITH HOT-DIPPED GALVANIZED CHANNEL. SECURE TO ROOF WITH A FULL BED OF NON- HARDENING ADHESIVE TYPE MASTIC.
4. B-LINE "DURA-BLOK" DB2318DS SERIES, SH RISER CHANNEL 1 5/8" x 1 5/8". ASSEMBLE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS

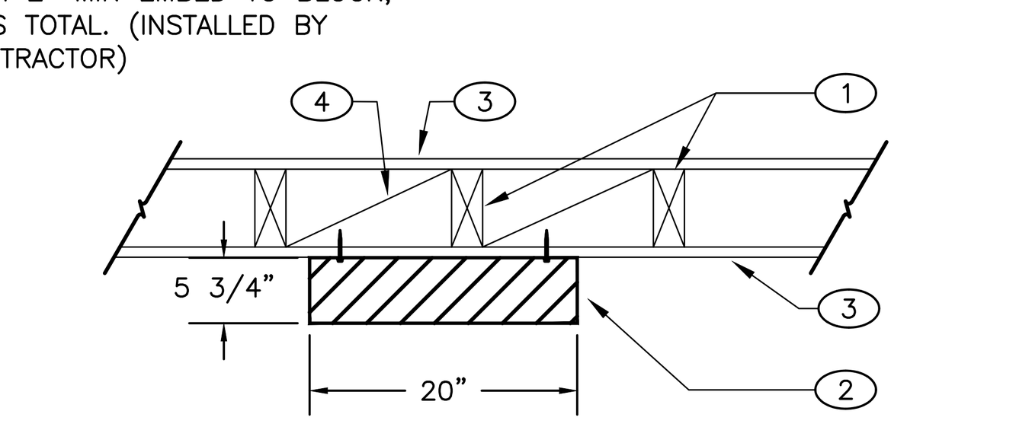
NOTE:
ALL SUPPORTS TO BE MAX 10 FT ON CENTER AND MAX 3 FT FROM ALL CONDUIT TERMINATIONS WHERE OCCURS



ROOF CONDUIT HIGH SUPPORT DETAIL NTS 6

KEY NOTES:

1. WOOD STUD
2. SURFACE MOUNTED PANEL CABINET, (SEE NOTE #1 FOR PANEL WEIGHT)
3. SHEET ROCK OR OTHER WALL SURFACE MATERIAL (SEE ARCH. DRAWINGS)
4. 4X MIN WOOD BLOCK W/ SIMPSON A34 EA END, TOP & BOTTOM
5. ATTACH PANEL TO BLOCKING W/(4) 3/8" LAG SCREW WITH 2" MIN EMBED TO BLOCK, (4) LAG SCREWS TOTAL. (INSTALLED BY ELECTRICAL CONTRACTOR)



TOP VIEW

NOTES:

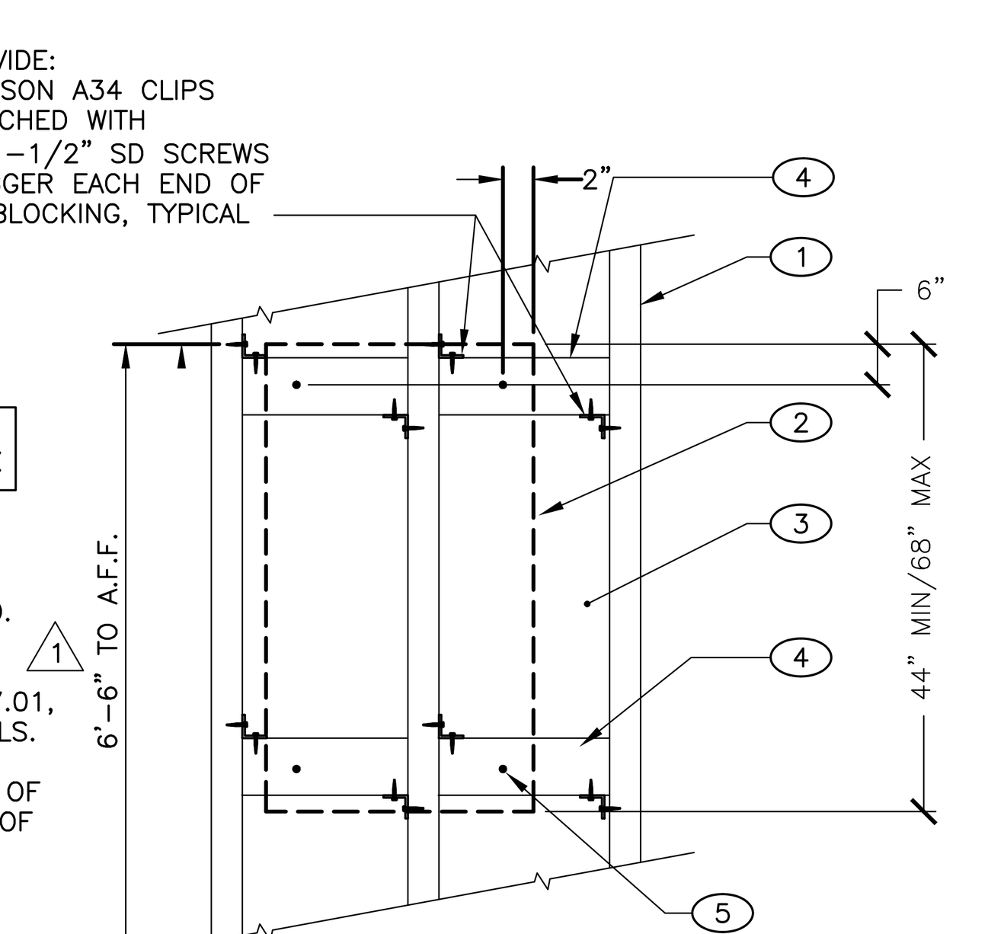
A. PANEL WEIGHT:

REGULAR: 150 LBS.
LARGE: 250LBS. MAX

B. MOUNT TERMINAL CABINETS, J-BOXES, ETC., SIMILAR TO 30 CIRCUIT PANELBOARD.

C. REFER TO PANEL SCHEDULE SHEET E7.01, FOR SIZES OF PANELS.

D. CENTER OF GRAVITY OF CABINET FROM TOP OF FLOOR = ±50".



FRONT VIEW

SURFACE PANELBOARD/CABINET WOOD FRAMING MOUNTING DETAIL NTS 3

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3186-070-000
2101 CAPITOL AVENUE, SUITE 100, SACRAMENTO, CA, 95816
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MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd. Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 23-2274

REGISTERED PROFESSIONAL ENGINEER RAMI S. ZEIDAN No. E 16762 Exp. 9/30/24 ELECTRICAL STATE OF CALIFORNIA

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

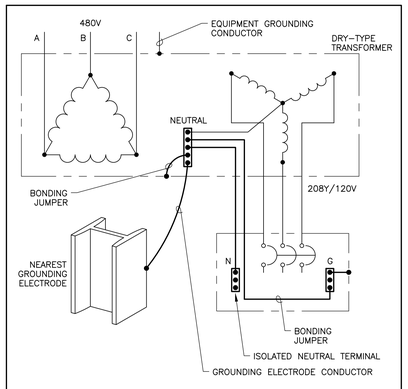
PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
ELECTRICAL DETAILS

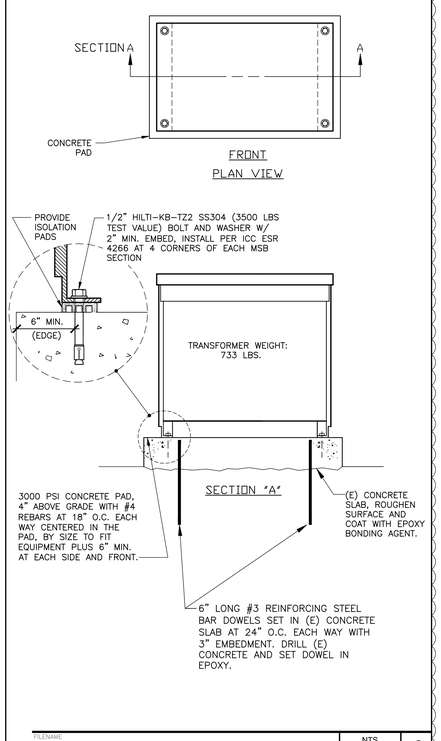
CONSTRUCTION DOCUMENTS

DATE: 01/04/2024
CLIENT PROJ NO: 3186-070-000

SHEET:
E8.01

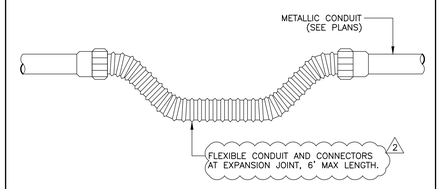


1 TRANSFORMER GROUNDING DETAIL — NTS — 1



FILENAME

2 OUTDOOR TRANSFORMER PAD MOUNTING DETAIL — NTS — 2



NOTES:
FLEXIBLE CONDUIT SHALL BE SECURELY FASTENED AND SUPPORTED WITHIN 12" OF TERMINATION COUPLINGS ON BOTH SIDES OF SEISMIC JOINT.

3 SEISMIC JOINT CONDUIT DETAIL — NTS — 3

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MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

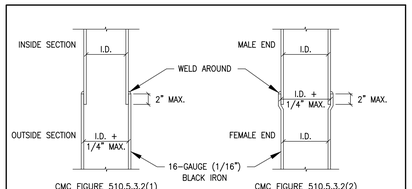
PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
ELECTRICAL DETAILS

CONSTRUCTION DOCUMENTS

DATE: **01/04/2024** | CLIENT PROJ NO: **3186-070-000**

SHEET:
1 **E8.02**



CMC FIGURE 510.5.3.2(1)
TELESCOPING – TYPE DUCT CONNECTION
[NFPA 96: FIGURE 7.5.5.1(a)]

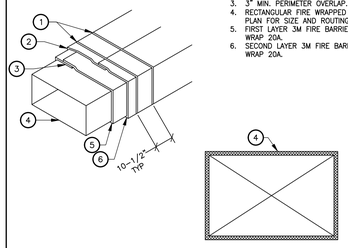
NOTES:
1. DUCT SIZE DECREASES (GOING UPWARD) WITH EACH TELESCOPE.
2. SMALLER (INSIDE) DUCT SECTION SHALL BE ABOVE OR UPHILL (ON SLOPED DUCT), TO BE SELF DRAINING INTO LARGER (OUTSIDE) DUCT.

CMC FIGURE 510.5.3.2(2)
BELL-TYPE DUCT CONNECTION
[NFPA 96: FIGURE 7.5.5.1(b)]

NOTES:
1. DUCT SIZE THE SAME THROUGHOUT THE DUCT SYSTEM.
2. SMALLER (INSIDE) MALE DUCT END IS ALWAYS ABOVE OR UPHILL (ON SLOPED DUCT), TO BE SELF DRAINING INTO LARGER (OUTSIDE) FEMALE DUCT END.

MEXDU03A

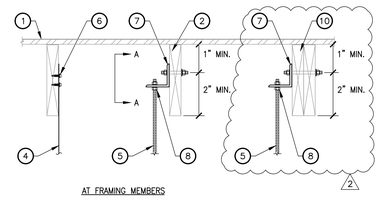
TYPE 1 EXHAUST DUCT CONNECTIONS — NTS — 5



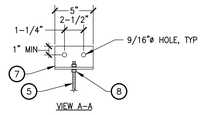
1. STEEL BANDING 1/2" WIDE MIN. (TYP).
2. 3" MIN. LONGITUDINAL OVERLAP.
3. 3" MIN. PERIMETER OVERLAP.
4. RECTANGULAR FIRE WRAPPED DUCT, SEE PLAN FOR SIZE AND ROUTING.
5. FIRST LAYER 3M FIRE BARRIER DUCT WRAP 20A.
6. SECOND LAYER 3M FIRE BARRIER DUCT WRAP 20A.

DUCT FIRE WRAP DETAIL — NTS — 6

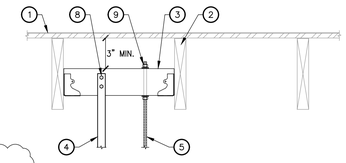
1. (E) ROOF, SEE STRUCTURAL DRAWINGS
2. (E) 2x12 ROOF FRAMING, SEE STRUCTURAL DRAWINGS
3. 4x4 BLOCKING BETWEEN JOISTS W/ U44 HANGERS AT EACH END, TYP.
4. 1" x 20 GA. GALV. SHEET METAL STRAP
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
6. (2) #12 x 1" SMS, 2" O.C. MIN.
7. 3"x3"x1/4" x 5" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2"ø BOLTS OR THREADED ROD WITH NUTS AND WASHER
8. NUT, TOP AND BOTTOM
9. NUT AND WASHER, TOP AND BOTTOM
10. (N) 2X12 ROOF FRAMING SISTERED TO EXISTING 2X12. SEE A/S2.01.



AT FRAMING MEMBERS



VIEW A-A

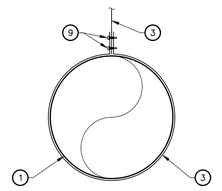


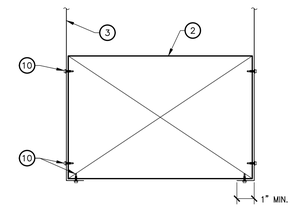
BETWEEN FRAMING MEMBERS

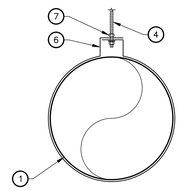
NOTES:
A. HANGER SPACING TO BE AT MAXIMUM 8FT O.C.
B. FOR LOWER ATTACHMENT TO DUCTWORK, SEE DETAIL 2/M8.01.
C. ATTACHMENT IS TYPICAL WITH (N) 2X12 SISTERED TO (E) 2X12 FRAMING PER STRUCTURAL FRAMING PLAN A/S2.01.
D. BRACING IS NOT REQUIRED PER CBC SECTION 1617A.1.25, ASCE 7 SECTION 13.6.6, EXCEPTION #2 FOR DUCTWORK WITH A CROSS-SECTIONAL AREA OF LESS THAN 6 SQUARE FEET AND LESS THAN 20 LB/FT.

HANGER UPPER ATTACHMENTS (WOOD) — NTS — 1

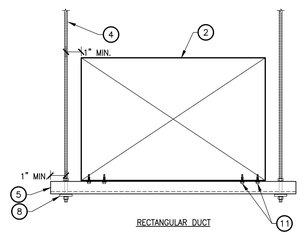
1. ROUND DUCT, SEE PLAN FOR SIZE AND ROUTING
2. RECTANGULAR DUCT, SEE PLAN FOR SIZE AND ROUTING
3. 1" x 20 GA. GALV. SHEET METAL STRAP
4. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
5. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL
6. 1" x 20 GA GALV. SHEET METAL STRAP WITH 3"x2" HIGH FLANGE
7. NUT AND WASHER, TOP AND BOTTOM
8. NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL B2012N OR EQUAL
9. (2) #10 TEK SCREWS
10. (3) #10 TEK SCREWS, EA SIDE
11. (2) #10 TEK SCREWS, EA SIDE







ROUND DUCT



RECTANGULAR DUCT

NOTES:
A. HANGER SPACING TO BE AT MAXIMUM 8FT O.C.

DUCT HANGERS (RECT <6 SF, ROUND <28"Ø) — NTS — 2

1

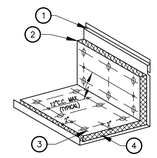
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1) MIN. HT. IN.	AT JOINTS: DRIVE SLIP / PLAIN S SLIP RECOM-MENDED GAGE	HEMMED S SLIP RECOM-MENDED GAGE	ALTER'NT BAR SLIP RECOM-MENDED GAGE	REINFORCED BAR SLIP RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13 – 18	24	NONE REQUIRED	1	24	24	24	24
19 – 30	24	1" x 1" x 1/8" @ 60 IN.	1		24	24	24
31 – 42	22	1" x 1" x 1/8" @ 60 IN.	1			22	22

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

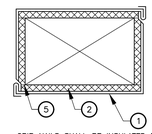
MDUSC01A

DUCT CONSTRUCTION STANDARDS — NTS — 4

1. GALVANIZED SHEET METAL DUCT.
2. 1" THICK ACOUSTIC DUCT LINER, LINER TO BE ADHERED TO DUCT. w/ 100% ADHESIVE (MIRACLE PF96)
3. NOT MORE THAN 2" FROM LEDGE OF DUCT LINER.
4. ALL ENDS OF LINER TO BE COATED WITH ADHESIVE. (MIRACLE PF96). ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER.
5. TOP AND BOTTOM SECTIONS OF LINER SHALL OVERLAP THE SIDES.



METAL FASTENERS: OMARK INSUL-PINS, DURA DYNE FASTENERS OR GRIP NAILS,



GRIP NAILS SHALL BE INSULATED BY " GRIP NAIL AIR-HAMMER" OR BY AUTOMATIC FASTENER EQUIPMENT.

MDUSA02A

ACOUSTIC LINED DUCTS — NTS — 3

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	02/27/2024
2	ADDENDUM #2	03/18/2024

LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 23-2274

REGISTERED PROFESSIONAL ENGINEER — RYAN ENNIS — M 41413 REN. 03-31-25 — MECHANICAL — STATE OF CALIFORNIA

FACILITY:
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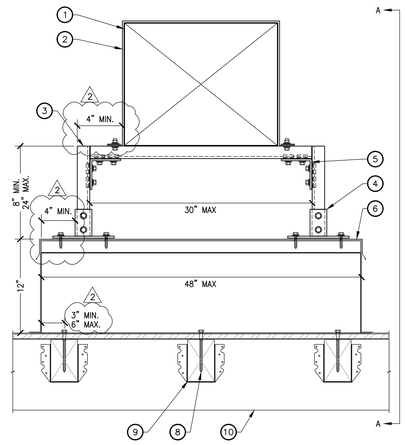
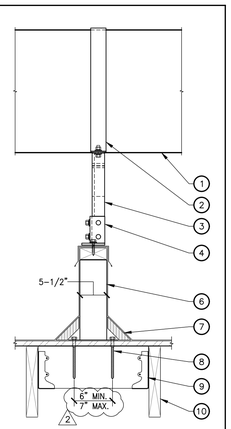
M8.01

1. RECTANGULAR OR ROUND DUCT, SEE PLAN FOR SIZE
2. 2" WIDE X 18 GA. GALV. SHEET METAL STRAP, FOLD OVER ENDS, SECURE TO CHANNEL WITH 3/8"ø BOLTS WITH NUT AND WASHER AT EACH END
3. 1-5/8"X1-5/8"X12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL, TYP
4. CHANNEL POST BASE, B-LINE B280FL OR EQUAL, SECURE TO CURB WITH (2) 3/8"ø STAINLESS STEEL WOOD SCREWS WITH WASHER, MIN. 1" EMBED., SILICONE SEAL PENETRATION WATERTIGHT
5. 4-HOLE CORNER ANGLE, B-LINE B115 OR EQUAL, SECURE TO UNISTRUT CHANNEL WITH (4) 3/8"ø BOLTS WITH CHANNEL NUTS, TYP
6. 12" HIGH PREFAB. 18 GA. GALV. STEEL SUPPORT CURB WITH 1-1/2" PRESSURE TREATED WOOD NAILER AND SHEET METAL COUNTERFLASHING, PATE MODEL ES-2 OR EQUAL
7. CANT STRIP, BOTH LONG SIDES OF CURB
8. 3/8"ø LAG SCREW WITH MIN. 4" EMBED INTO BLOCKING, MAX. 24" O.C., MAX. 3" FROM ENDS, MIN. (2) EACH SIDE OF CURB
9. 4X6 BLOCKING BETWEEN JOISTS WITH U46 HANGERS EACH END
10. ROOF FRAMING, SEE STRUCTURAL



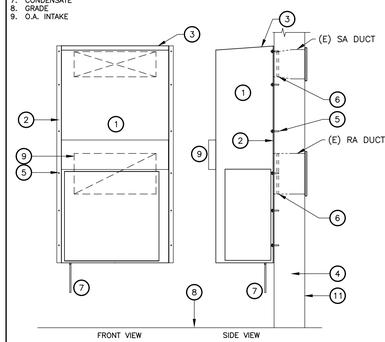


SECTION A–A

NOTES:
A. SUPPORT SPACING TO BE AT MAXIMUM 8FT O.C.

DUCT SUPPORT ON ROOF (WOOD) | NTS | 1

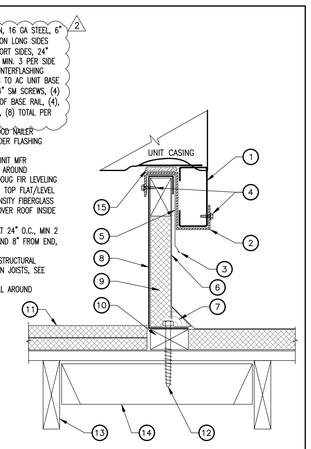
1. HEAT PUMP UNIT
2. MOUNTING FLANGE ON UNIT
3. WEATHER STRIP AT TOP AND CAULK WEATHER TIGHT AROUND PERIMETER OF UNIT, TYP.
4. (E) WOOD STRUCTURE
5. (12) 3/8"x 2" BOLT AND WASHER
6. DUCT, TYP. PROVIDE FLEX CONNECTION.
7. CONDENSATE
8. GRADE
9. O.A. INTAKE



NOTES:
A. SEE STRUCTURAL DETAIL 1/S4.02 FOR MOUNTING IN (E) 2-2X4 STUDS.
B. SEE STRUCTURAL DETAIL 2/S4.02 FOR MOUNTING IN (E) 4X4 STUDS.

HEAT PUMP MOUNTING DETAIL | NTS | 4

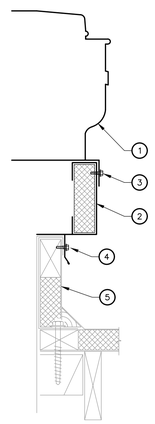
1. MAU UNIT BASE RAIL
2. MAU UNIT HOLD DOWN, 16 GA STEEL 6" WIDE, TYP. 24" O.C. ON LONG SIDES AND 12" O.C. ON SHORT SIDES, 24" MAX FROM CORNERS, MIN. 3 PER SIDE
3. 26 GA GALV. SM COUNTERFLASHING
4. SECURE HOLD DOWNS TO AC UNIT BASE RAIL WITH #12 X 3/4" SM SCREWS, (4) SCREWS AT OUTSIDE OF BASE RAIL, (4), SCREWS INSIDE CURB, (8) TOTAL PER HOLD DOWN, TYP.
5. NAIL FLASHING TO WOOD NAILER
6. ROOFING LIP AND UNDER FLASHING
7. CANT STRIP
8. MAU UNIT CURB BY UNIT MFR
9. RIGID INSULATION ALL AROUND
10. PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN. 2" HIGH. TOP FLAT/LEVEL
11. 2" THICK X 3 LB DENSITY FIBERGLASS INSULATION BOARD COVER ROOF INSIDE CURB
12. 1/2"ø LAG SCREWS AT 24" O.C., MIN 2 SCREWS EACH SIDE AND 8" FROM END, TYP
13. ROOF FRAMING, SEE STRUCTURAL
14. 4X BLOCKING BETWEEN JOISTS, SEE STRUCTURAL
15. NEOPRENE GASKET ALL AROUND



MEXXA06B

MAKE-UP AIR UNIT MOUNTING | NTS | 2

1. ROOF MOUNTED EXHAUST FAN
2. PATE MODEL PC-AI (INCREASING) OR PATE MODEL PC-AR (REDUCING) ADAPTER CURB, COORDINATE REQUIRED DIMENSIONS WITH (E) ROOF CURB AND (N) EXHAUST FAN
3. SECURE FAN TO CURB WITH #12 SM SCREWS, 4 PER SIDE.
4. SECURE ADAPTER CURB TO (E) CURB WITH #12 SM SCREWS, 4 PER SIDE.
5. EXISTING ROOF CURB

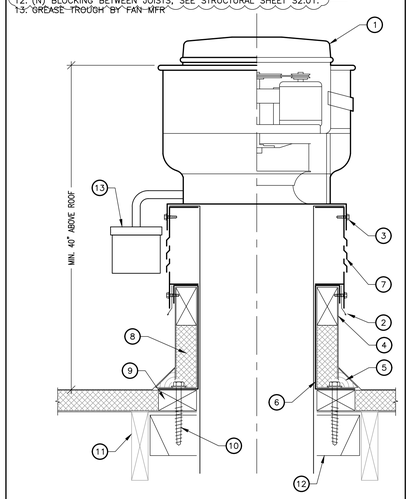


MEXSA01A

EXHAUST FAN ADAPTER CURB | NTS | 5

1

1. ROOF MOUNTED KITCHEN EXHAUST FAN
2. 26 GA GALV. SM COUNTERFLASHING
3. SECURE FAN TO CURB WITH #12 SM SCREWS, 4 PER SIDE.
4. ROOFING LIP AND UNDER FLASHING
5. CANT STRIP
6. EXHAUST FAN CURB BY FAN MFR
7. VENTED CURB EXTENSION BY FAN MFR
8. RIGID INSULATION ALL AROUND
9. PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN. 2" HIGH. TOP FLAT/LEVEL
10. 1/2"ø LAG SCREW AT 24" O.C., MIN 2 SCREWS EACH SIDE AND 8" FROM END, TYP
11. (E) 2X12 ROOF FRAMING, SEE STRUCTURAL SHEET S2.01
12. (N) BLOCKING BETWEEN JOISTS, SEE STRUCTURAL SHEET S2.01.
13. GREASE TROUGH BY FAN MFR



MEXXF03B

KITCHEN EXHAUST FAN MOUNTING | NTS | 3

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

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2101 CAPITOL AVENUE, SUITE 100,
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Job #: 23-2274

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REN. 03-31-25
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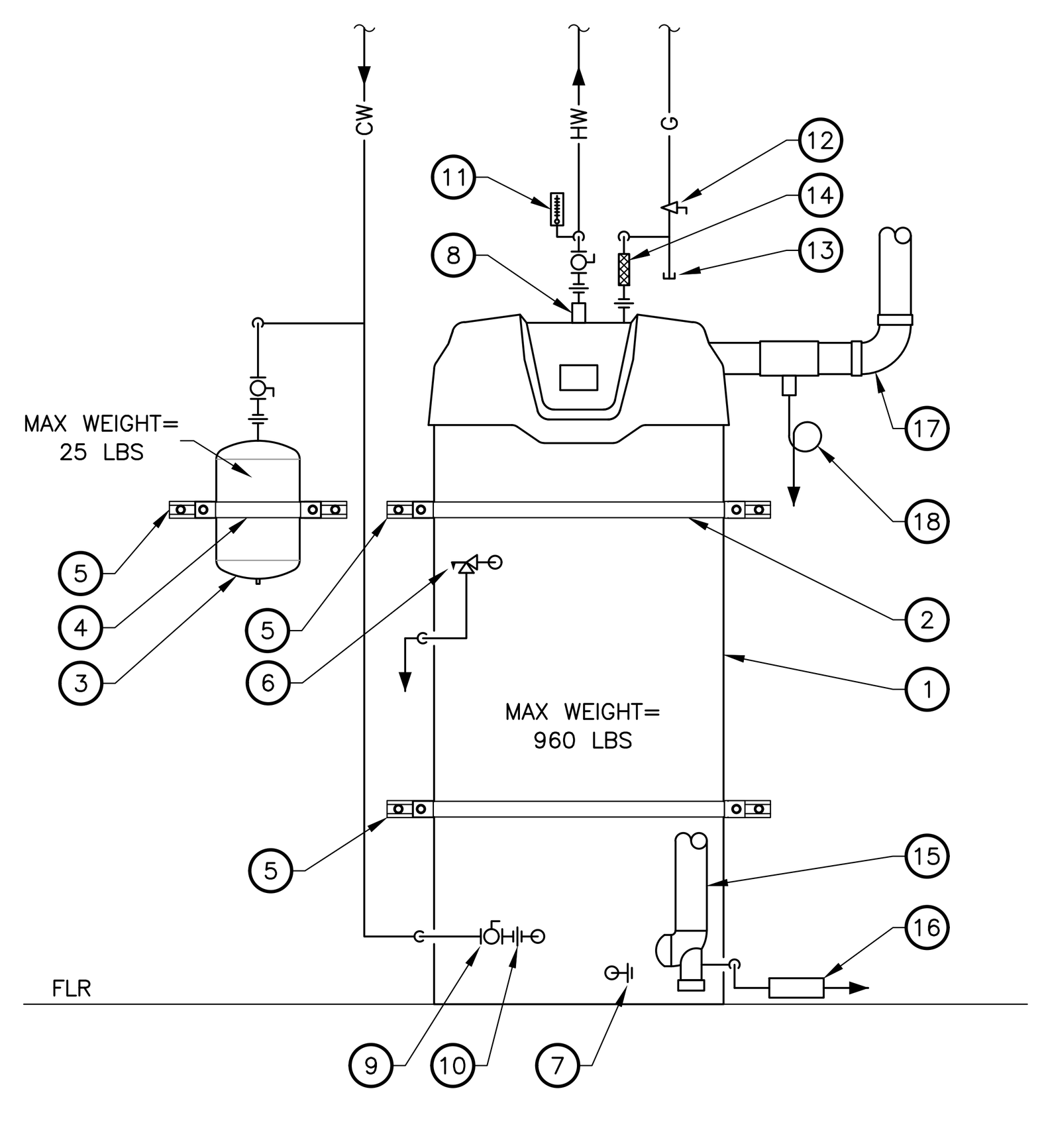
M8.02

1. WATER HEATER, SEE PLUMBING SCHEDULE
2. (2) 1-1/2" WIDE, 24 GA. GALVANIZED SHEET METAL SEISMIC STRAPS AROUND WATER HEATER, (1) EACH AT UPPER AND LOWER THIRD OF WATER HEATER, SECURE TO UNISTRUT CHANNEL WITH 3/8"ø BOLT, UNISTRUT SQUARE WASHER AND CHANNEL NUT EACH SIDE
3. EXPANSION TANK, SEE PLUMBING SCHEDULE
4. 1-1/2" WIDE, 24 GA. GALVANIZED SHEET METAL SEISMIC STRAP AROUND EXPANSION TANK, (1) AT MIDDLE THIRD OF EXPANSION TANK, SECURE TO UNISTRUT CHANNEL WITH 3/8"ø BOLT, UNISTRUT SQUARE WASHER AND CHANNEL NUT EACH SIDE
5. 1-5/8"X1-5/8"X12 GA. UNISTRUT CHANNEL, B-LINE B22 OR EQUAL, TYP, SECURE TO WALL 4X BLOCKING BETWEEN STUDS WITH (2) 1/4" LAG SCREWS WITH MIN. 3" EMBED, (1) EA END
6. ASME TEMPERATURE & PRESSURE RELIEF VALVE, ROUTE FULL SIZE DRAIN TO APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
7. WATER HEATER DRAIN VALVE
8. DIELECTRIC HEAT TRAP NIPPLE AT WATER HEATER HW & CW CONNECTIONS
9. ISOLATION VALVE, TYP
10. DIELECTRIC UNION, TYP
11. LEAD-FREE THERMOWELL THERMOMETER, TRERICE BX SERIES, OR EQUAL
12. GAS COCK
13. MIN. 3" LONG SEDIMENT TRAP (DIRT LEG) WITH CAP
14. CSA LISTED FLEXIBLE GAS APPLIANCE CONNECTOR, METRAFLEX OR EQUAL
15. FLUE VENT TO APPROVED TERMINATION LOCATION AT BUILDING EXTERIOR, INSTALL PER MFGR'S RECOMMENDATIONS
16. FLUE CONDENSATE CONNECTION, PROVIDE CONDENSATE PIPING WITH ACID NEUTRALIZER AND TERMINATE AT APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
17. COMBUSTION AIR INTAKE VENT TO APPROVED TERMINATION LOCATION AT BUILDING EXTERIOR, INSTALL PER MFGR'S RECOMMENDATIONS
18. COMBUSTION AIR CONDENSATE CONNECTION TEE WHERE REQUIRED BY MFGR, PROVIDE CONDENSATE PIPING WITH LOOPED TRAP AND TERMINATE AT APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP

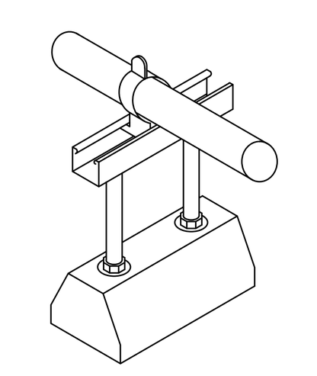


NOTES:
A. SEE PLANS FOR PIPE SIZES.

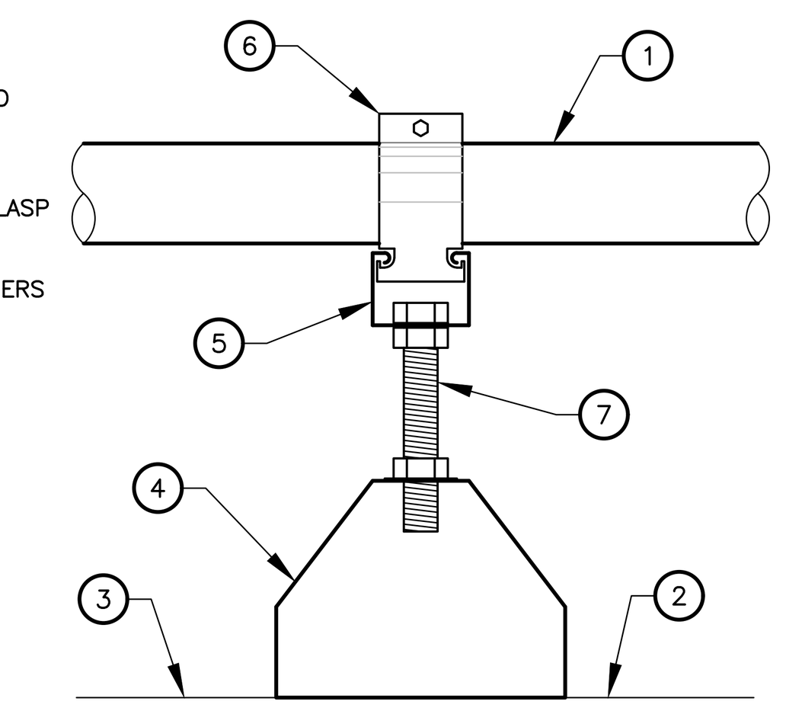
GAS WATER HEATER
NTS | 11

1. PIPING ON ROOF.
2. PVC SINGLE PLY PROTECTION MATERIAL.
3. ROOFING MATERIAL.
4. 'B-LINE' 'DURA-BLOK' ROOTOP PIPE SUPPORT OR EQUAL. WOOD BLOCKING NOT ACCEPTABLE.
5. 'B-LINE' 14 GA. GALVANIZED SLOTTED 1" CHANNEL.
6. 'B-LINE' B2000 SERIES PIPE CLASP WITH THRU-BOLT.
7. PROVIDE (2) 'B-LINE' 1/2" ADJUSTABLE THREADED ROD RISERS WITH NUTS.

NOTE:
1. PROVIDE PIPE SUPPORT AT MAXIMUM SPACING OF 8FT.



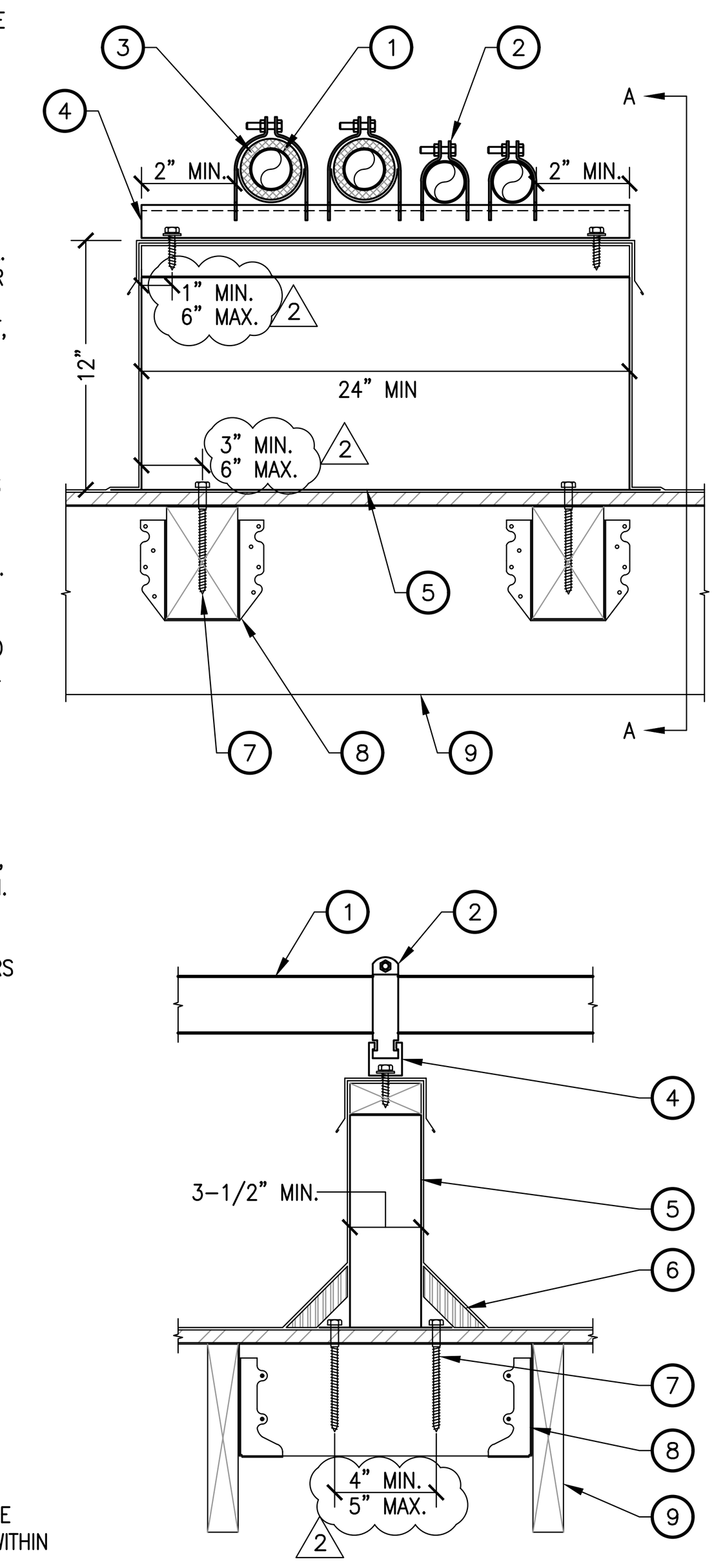
ISOMETRIC VIEW



PPISA01A

TYP. PIPE SUPPORT ON ROOF
NTS | 7

1. PIPE, SEE PLAN FOR SIZE AND ROUTING
2. PIPE CLAMP, B-LINE SERIES B2000 OR EQUAL
3. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
4. 1-5/8"X1-5/8"X12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL, SECURE TO CURB WITH (2) 3/8"ø WOOD SCREWS WITH WASHER AT EACH END, MIN. 1" EMBED.
5. 12" HIGH PREFAB. 18 GA. GALV. STEEL SUPPORT CURB WITH 1-1/2" PRESSURE TREATED WOOD NAILER AND SHEET METAL COUNTERFLASHING, PATE MODEL ES-2 OR EQUAL
6. CANT STRIP, BOTH LONG SIDES OF CURB
7. 3/8"ø LAG SCREW WITH MIN. 4" EMBED INTO BLOCKING, MAX. 24" O.C., MAX. 3" FROM ENDS, MIN. (2) EACH SIDE OF CURB
8. 4X6 BLOCKING BETWEEN JOISTS WITH U46 HANGERS EACH END
9. ROOF FRAMING, SEE STRUCTURAL

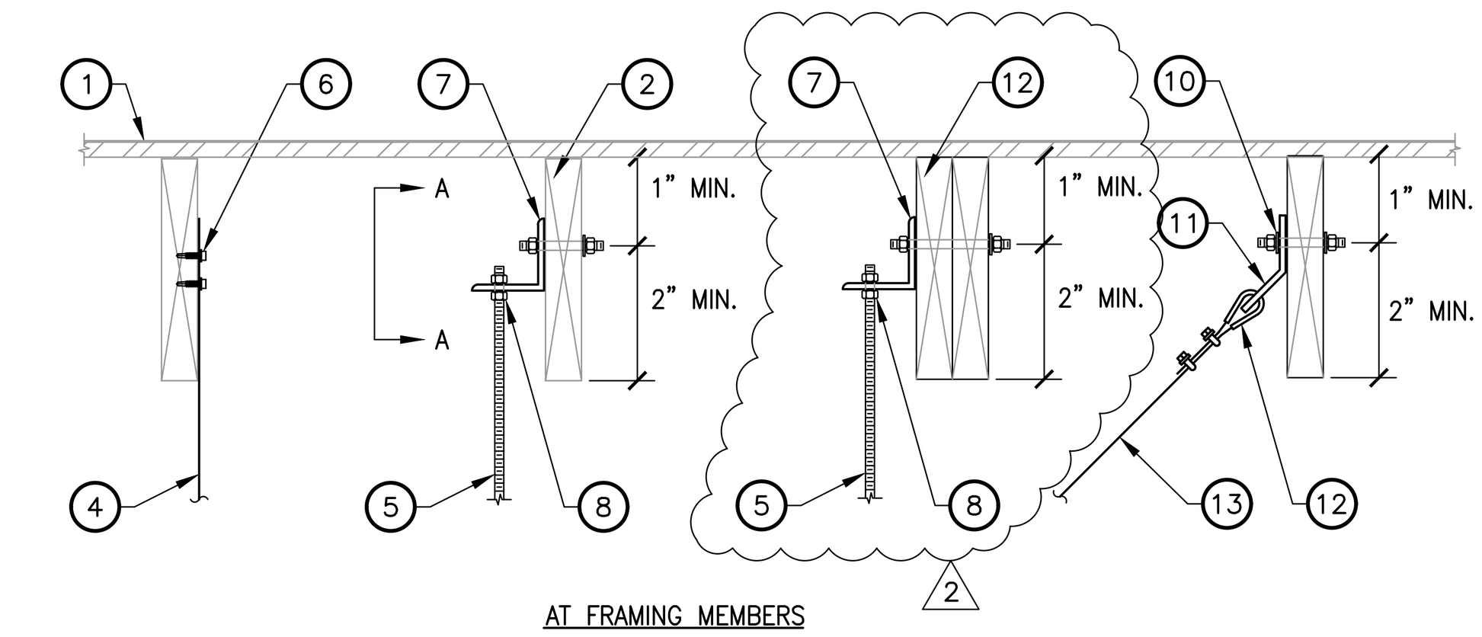


SECTION A-A

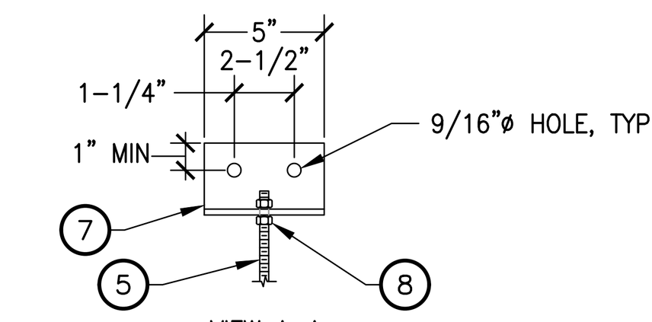
NOTES:
A. SUPPORT SPACING TO BE 40'-0" O.C. MAX AND WITHIN 2'-0" FROM ENDS.
B. WRAP INSULATED PIPING EXPOSED TO OUTDOORS WITH ALUMINUM JACKETING.

ANCHORED PIPE SUPPORT ON ROOF
NTS | 8

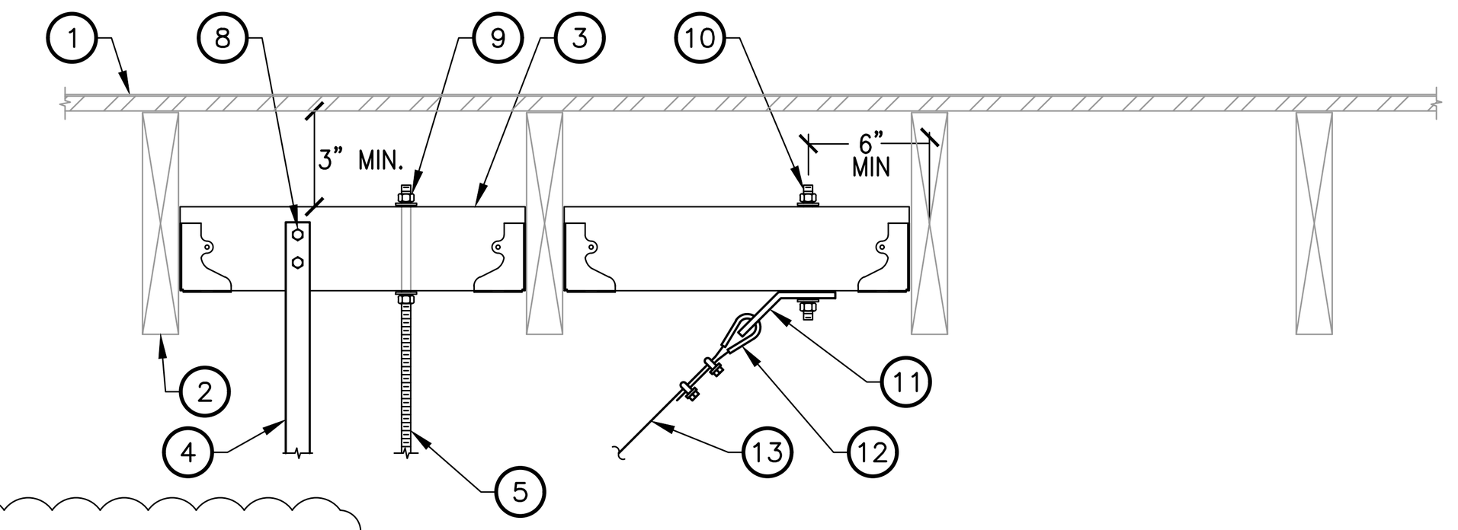
1. (E) ROOF, SEE STRUCTURAL DRAWINGS
2. (E) 2x12 ROOF FRAMING, SEE STRUCTURAL DRAWINGS
3. 4x4 BLOCKING BETWEEN JOISTS W/ U44 HANGERS AT EACH END, TYP.
4. 1" x 20 GA. GALV. SHEET METAL STRAP
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
6. (2) #12 x 1" SMS, 2" O.C. MIN.
7. 3"x3"x1/4" x 5" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2"ø BOLTS OR THREADED ROD WITH NUTS AND WASHER
8. NUT, TOP AND BOTTOM
9. NUT AND WASHER, TOP AND BOTTOM
10. 3/8"ø THREADED ROD THROUGH SUPPORT MEMBER WITH NUT AND WASHER EA END
11. U2"x3"x1/4" x 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL
12. CABLE THIMBLE AND CABLE CLIPS
13. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE
14. (N) 2X12 ROOF FRAMING SISTERED TO EXISTING 2X12. SEE A/S2.01. TYPICAL FOR THRU ATTACHMENT FOR SEISMIC BRACING.



AT FRAMING MEMBERS



VIEW A-A

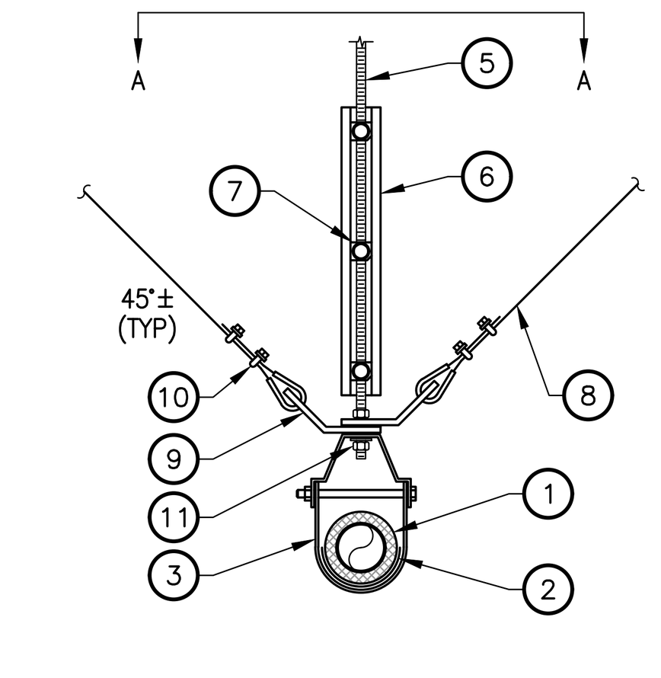


BETWEEN FRAMING MEMBERS

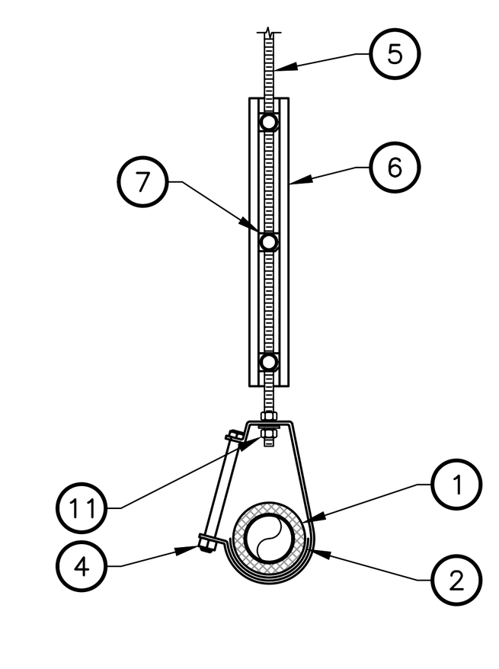
NOTES:
A. HANGER AND BRACING (WHERE APPLIES PER NOTES IN DETAIL 2/P8.01) SPACING TO BE AT MAXIMUM 8FT O.C.
B. FOR LOWER ATTACHMENT TO DUCTWORK, SEE DETAIL 2/P8.01.
C. ATTACHMENT IS TYPICAL WITH (N) 2X12 SISTERED TO (E) 2X12 FRAMING PER STRUCTURAL FRAMING PLAN A/S2.01.

HANGER UPPER ATTACHMENTS (WOOD)
NTS | 1

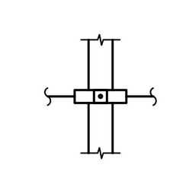
1. PIPE, SEE PLAN FOR SIZE AND ROUTING
2. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
3. STANDARD CLEVIS PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3100 OR EQUAL
4. ADJUSTABLE 'J' PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3690 OR EQUAL
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
6. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL
7. ROD STIFFENER, B-LINE TOLCO MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE
9. 2"x3"x1/4" X 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL
10. CABLE THIMBLE AND CABLE CLIPS
11. NUT AND WASHER, TOP AND BOTTOM



SEISMIC SUPPORT



NON-SEISMIC SUPPORT

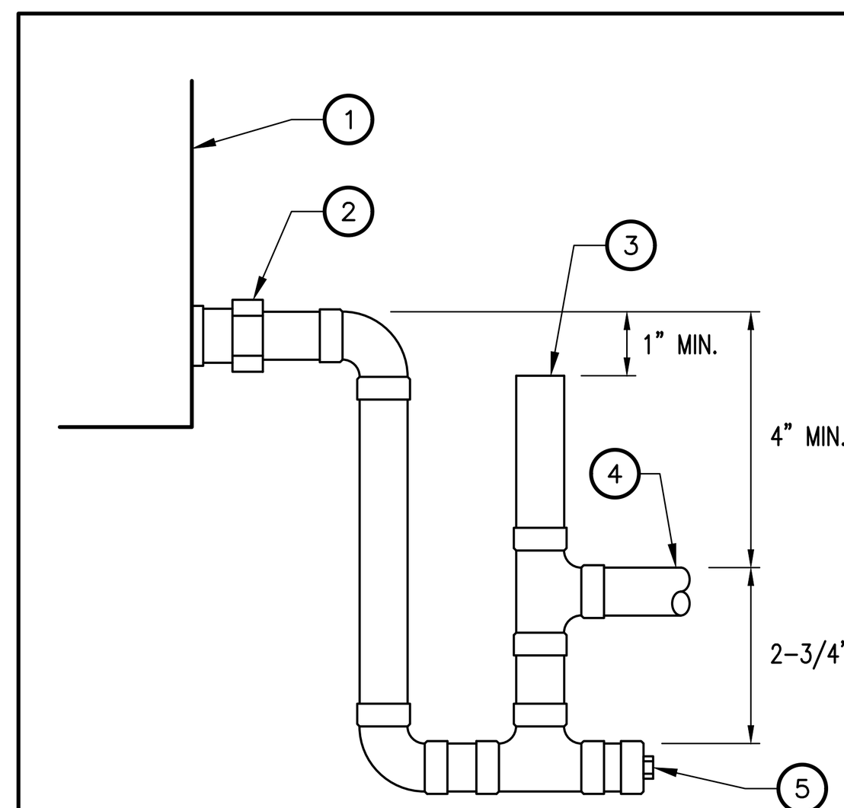


VIEW A-A

NOTES:
B. HANGER SPACING TO BE PER SPECIFICATIONS. MAXIMUM SPACING MAY NOT EXCEED 8 FEET PER 2022 CPC TABLE 313.3.
C. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 12".
D. SEISMIC RESTRAINTS ARE NOT REQUIRED FOR 3/4" AND SMALLER GAS PIPING, AND FOR ALL OTHER PIPING 2" AND SMALLER.
E. SEISMIC RESTRAINTS ARE NOT REQUIRED FOR ALL PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH FROM TOP OF PIPE TO BOTTOM OF ATTACHMENT TO STRUCTURE.

PPISA12A

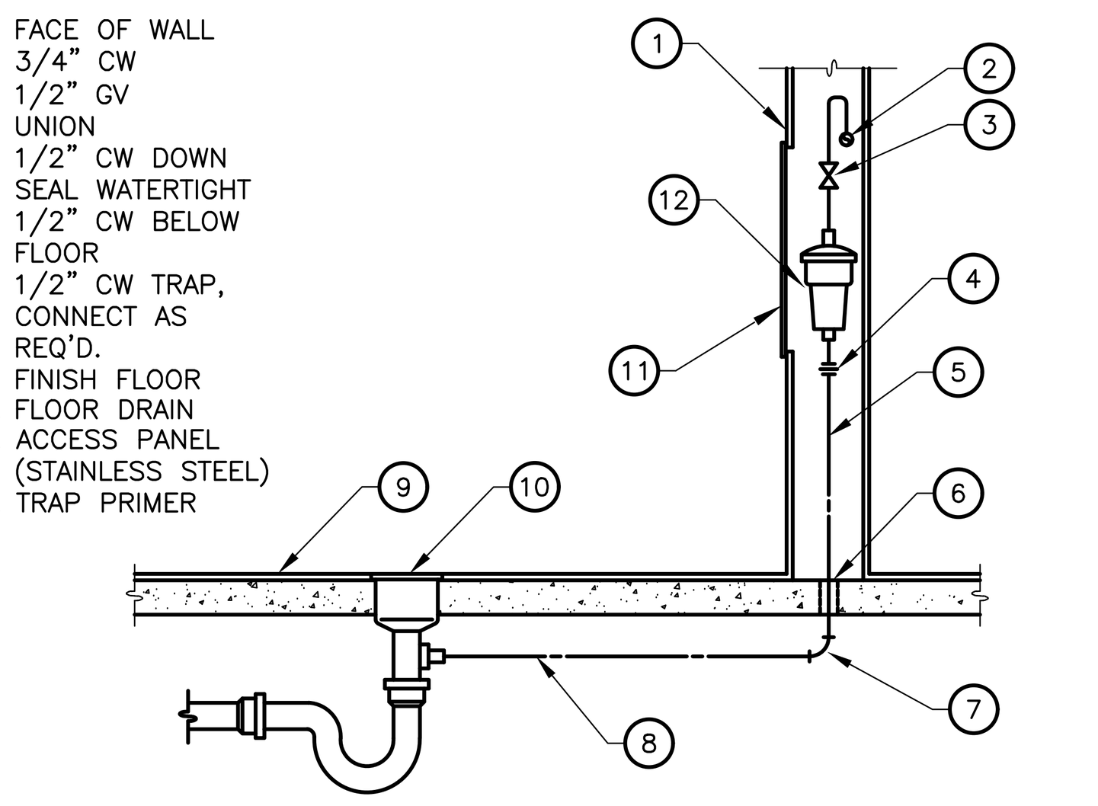
PIPE HANGER DETAIL
NTS | 2



1. MECHANICAL EQUIPMENT
2. UNION
3. TRAP VENT, DO NOT CAP CLOSED
4. SLOPE CONDENSATE DRAIN AT 1/8" PER FOOT, MIN. SEE PLAN FOR SIZE AND ROUTING
5. CLEAN-OUT PLUG

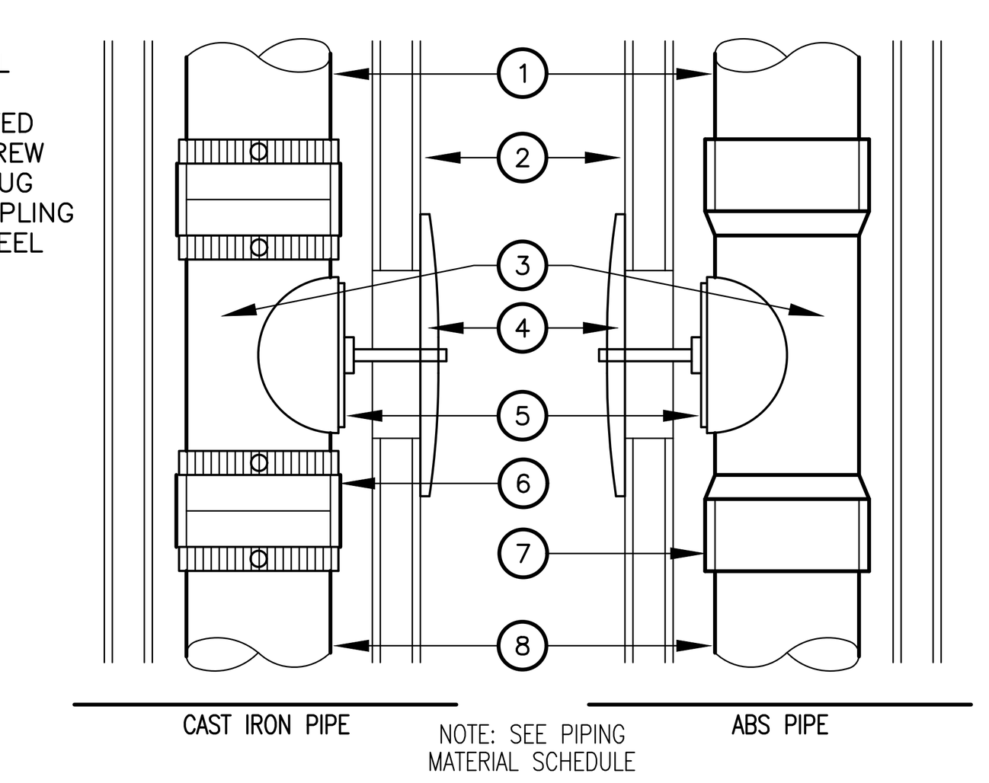
CONDENSATE DRAIN CONNECTION
NTS | 9

1. FACE OF WALL
2. 3/4" CW
3. 1/2" GV
4. UNION
5. 1/2" CW DOWN
6. SEAL WATERTIGHT
7. 1/2" CW BELOW FLOOR
8. 1/2" CW TRAP, CONNECT AS REQ'D.
9. FINISH FLOOR
10. FLOOR DRAIN
11. ACCESS PANEL (STAINLESS STEEL)
12. TRAP PRIMER



TRAP PRIMER PIPING DETAIL
NTS | 5

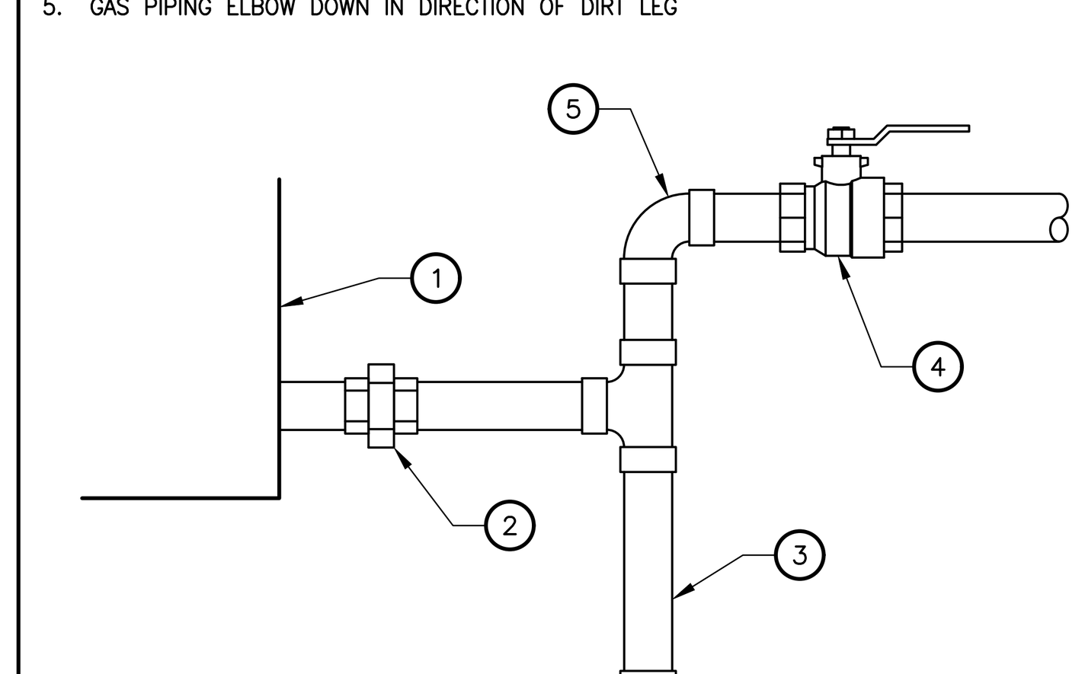
1. VENT STACK
2. FACE OF WALL
3. SANITARY TEE
4. CHROME PLATED COVER & SCREW
5. THREADED PLUG
6. NO-HUB COUPLING STAINLESS STEEL COVER
7. ABS FLANGED FITTING
8. DRAIN LINE



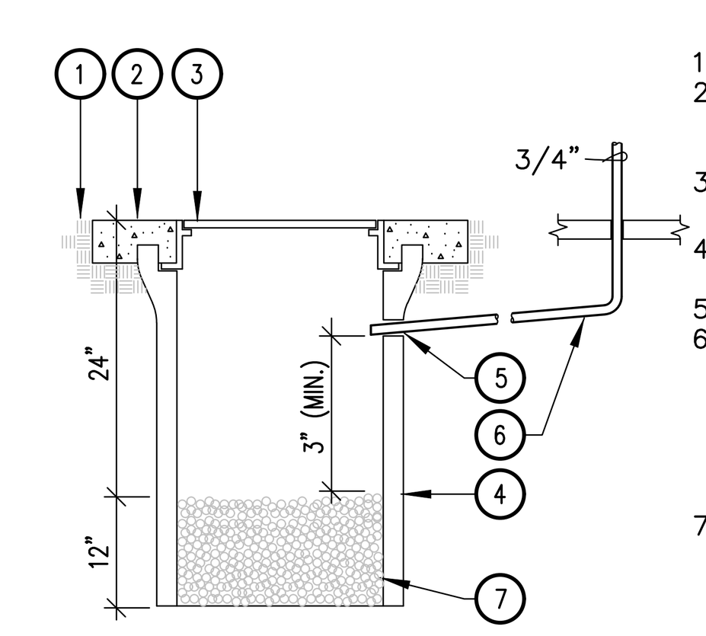
PPICO02B

WALL CLEANOUT (WCO)
NTS | 3

1. GAS FIRED EQUIPMENT
2. RIGID CONNECTION WITH UNION
3. MIN. 6" DIRT LEG WITH REMOVABLE CAP
4. GAS SHUT-OFF VALVE
5. GAS PIPING ELBOW DOWN IN DIRECTION OF DIRT LEG

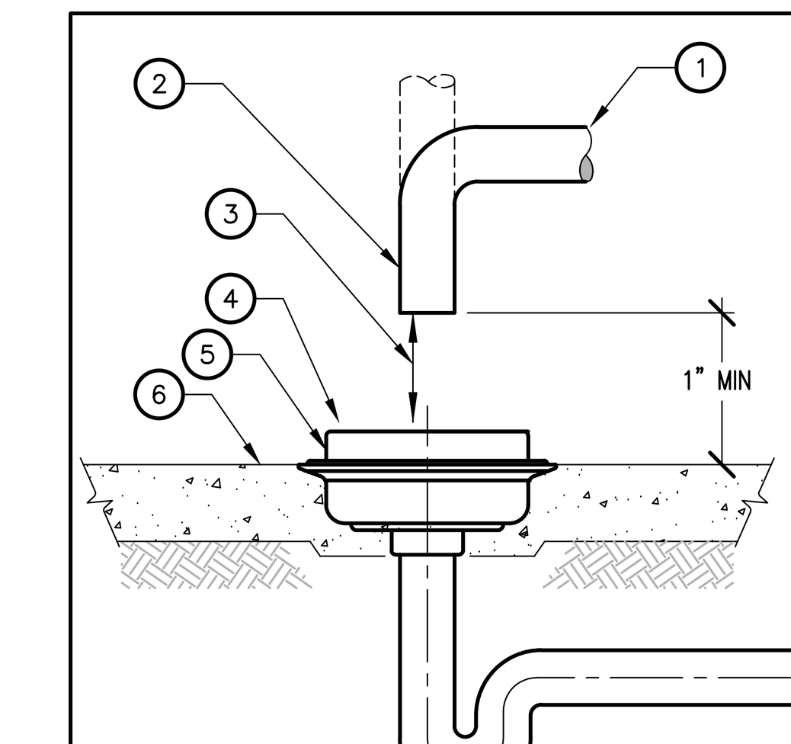


GAS CONNECTION DETAIL
NTS | 10



1. FINISHED GRADE
2. CAST CONCRETE AROUND UNPAVED AREA.
3. SOLID CAST IRON LID W/ RETAINING BOLTS
4. BELL OF 24" DIA CONC. PIPE
5. SEAL AROUND PIPE
6. CONDENSATE DRAIN LINE. PITCH 1/8"/LIN. FT BELOW GRADE. LINE SHALL ENTER DRYWELL A MIN. OF 3" ABOVE GRAVEL.
7. GRAVEL BED

DRYWELL DETAIL
NTS | 6



1. SEE PLUMBING FLOOR PLAN FOR PIPE ROUTING AND EQUIPMENT LAYOUT.
2. INDIRECT WASTE DRAIN PIPE. SEE PLAN FOR SIZE.
3. AIR GAP
4. FLOOR DRAIN. SEE PLUMBING FIXTURE SCHEDULE.
5. 2" HIGH WATER DAM.
6. CONCRETE PAD.

PPIEQ02B

INDIRECT WASTE TO FLOOR DRAIN DETAIL
NTS | 4

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100, SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	02/27/2024
2	ADDENDUM #2	03/18/2024

CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 23-2274

REGISTERED PROFESSIONAL ENGINEER RYAN EMMETT M 41413 REN. 03-31-25 MECHANICAL STATE OF CALIFORNIA

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME:
PLUMBING DETAILS

CONSTRUCTION DOCUMENTS

DATE: 01/04/2024 | CLIENT PROJ NO: 3186-070-000

SHEET:
P8.01

PLEASE RECYCLE

Autodesk Docs://3186070000 - SCUSD Matsuyama ES Modernization/3186070000-A-MATSUYAMA-MOD.rvt
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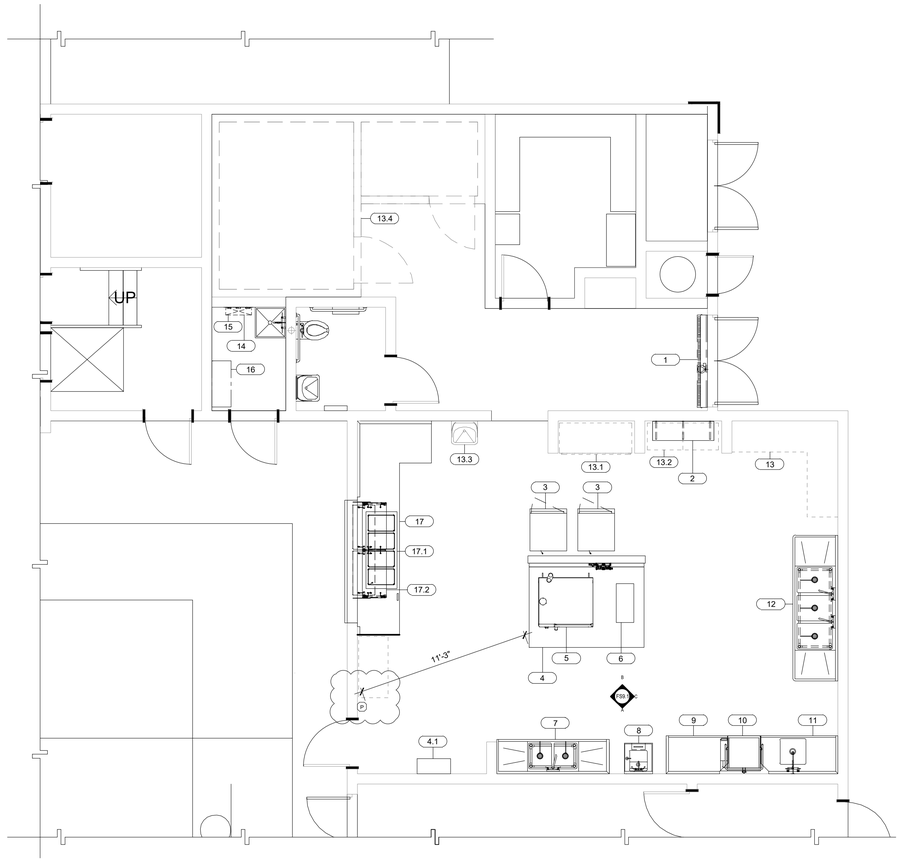
THE LINE BROWN ABOVE IS EXACTLY ONE INCH WHEN PRINTED ON ANSI SHEETS ORIGINAL IMAGE SIZE



FOODSERVICE EQUIPMENT FLOOR PLAN

SCALE : 1/4" = 1'-0"

1
FS1.1

EQUIPMENT SCHEDULE

ITEM NO	QTY	NIS	OFCI	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	SCHED. NOTES	WEIGHTS LBS.	ANCHORAGE DETAILS
1	1			AIR CURTAIN, UNHEATED	BERNER	SLC07-1072A		72	C/FS8.2
2	1			SHELF, WALL MOUNT	EAGLE GROUP/METAL MASTERS	SWS1548-14/3		19	G/FS8.1
3	2		X	CABINET, MOBILE, WARMING & HOLDING	CRES COR	H-137-SUA-12D			K/FS8.2
4	1			EXHAUST HOOD, TYPE 1, LOW PROFILE	STREIVOR	WCLC 906322.5		499	A/FS8.3
4.1	1			FIRE SUPRESSION SYSTEM CABINET	STREIVOR	CND	(1)	100	4/FS4.1
5	1			OVEN-STEAMER, COMBINATION, ELECTRIC	RATIONAL USA	ICP 6-FULL ON 6-FULL E	(2)	63	D/FS8.2
6	1			INDUCTION RANGE, COUNTERTOP,W/ STAND	COOKTEK	620701		45	L/FS8.1
7	1			PREP SINK, 2 COMPARTMENTS	EAGLE GROUP/METAL MASTERS	FN2036-2-24-14/3		135	B/FS8.1
8	1			SINK, HAND, WALL MOUNT	EAGLE GROUP/METAL MASTERS	HSAP-14-ADA-FW		57	B/FS8.2
9	1			DISHTABLE, STRAIGHT	EAGLE GROUP/METAL MASTERS	CDTR-48-14/3		77	C/FS8.1
10	1			WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM16VLT-ADV		430	A/FS8.2
11	1			SOILED DISHTABLE, W/ SCRAP SINK	EAGLE GROUP/METAL MASTERS	SDTL-60-14/3	(3)	94.7	A/FS8.1
12	1			SINK, SCULLERY, 3 COMPARTMENTS	EAGLE GROUP/METAL MASTERS	FN2860-3-24-14/3		356	A/FS8.1
13	1	X		S/S WORK COUNTER, EXISTING TO REMAIN					
13.1	1	X		REACH IN REFRIGERATOR, EXISTING TO REMAIN					
13.2	1	X		WASHER / DRY, EXISTING TO REMAIN					
13.3	1	X		HAND SINK, EXISTING TO REMAIN					
13.4	1	X		WALK-IN REF. FREEZER, EXISTING TO REMAIN					
14	1			MOP RACK	ADVANCED TABCO	K-242		2	
15	1			MOP DRAINAGE TRAY	ADVANCED TABCO	K-243		13	
16	1			STOAGE CABINET FOR CLEANING SUPPLIES	ADVANCED TABCO	WCH-15-36		120	H/FS8.1
17	1			SERVING COUNTER	FABRICATED ITEM			380	L/FS8.1
17.1	1			DROP IN HOT WELLS, DRY	DUKE	WWG-4	(4)	115	L/FS8.1
17.2	1			SNEEZE GUARD	PMG	FM2N-A		65	L/FS8.1

SCHEDULE NOTES

(1) WALL MOUNT CABINET TYPE
(2) WITH MARINE STAND
(3) WITH SCRAP SINK BASKET AND COVER
(4) NO DRAINS

FOODSERVICE DRAWINGS INDEX

HEALTH DEPARTMENT NOTES:

1. PROVIDE THERMOMETER IN ALL REFRIGERATION UNITS CONTAINING PERISHABLE FOODS.
2. PROVIDE PROBE THERMOMETER FOR CHECKING HOT AND COLD FOODS.
3. FOOD STORAGE SHELVES SHALL BE MINIMUM SIZE (6) INCHES ABOVE FLOOR.
4. ALL EQUIPMENT SHALL MEET OR BE EQUIVALENT TO "NSF" STANDARDS.
5. PROVIDE GARMENT STORAGE AREA: LOCKER, CABINET OR HANGERS FOR EMPLOYEE GARMENTS.
6. RODENT AND INSECT-PROOF ALL EXTERIOR DOORS AND WINDOWS. PROVIDE HEAVY-DUTY SELF-CLOSERS ON ALL EXTERIOR DOORS AND RESTROOM DOORS. SEAL ALL HOLES OR GAPS AROUND PIPES ENTERING BUILDING.
7. EXTERIOR DOORS SHALL BE RODENT PROOF WITH NO OPENINGS GREATER THAN 1/4 INCH.
8. PROVIDE HARDWOOD, METAL, FORMICA OR OTHER APPROVED MATERIALS, SMOOTH WITH SEALER ON ALL TABLE, COUNTERS, SHELVES, AND OTHER FOOD CONTACT SURFACES.
9. PROVIDE HAZARDOUS SUBSTANCE LOCATION: SEPARATE CABINET, ROOM OR DESIGNATED AREA FOR STORAGE OF PESTICIDE AND CLEANING COMPOUNDS.
10. INSTALL EQUIPMENT TO FACILITATE CLEANING. PLACE FLOOR MOUNTED UNITS ON CASTERS, MINIMUM SIX (6) INCHES HIGH, ROUND, METAL LEGS, OR SEAL IN POSITION ON MINIMUM FOUR (4) INCH CURB.
11. UNPACKAGED PROCESSED FOODS ON DISPLAY SHALL BE EFFECTIVELY SHIELDED OR COVERED.
12. PROVIDE SOAP AND TOWEL DISPENSERS AT ALL HAND WASHING SINKS.
13. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FLOOR AND READILY ACCESSIBLE FOR CLEANING.
14. GREASE INTERCEPTORS SHALL BE INSTALLED READILY ACCESSIBLE FOR CLEANING.
15. PROVIDE PROTECTIVE COVERS ON ALL LIGHTS IN FOOD PREPARATION, OPENED FOOD STORAGE ROOM(S), UTENSIL WASH AREAS, OR USE SHATTERPROOF BULBS.
16. LIGHTING REQUIREMENTS:
    -MINIMUM 50FT. CANDLES REQUIRED IN FOOD PREP AREA
    -MINIMUM 20FT. CANDLES REQUIRED IN RESTROOMS AND BARS
    -MINIMUM 10FT. CANDLES REQUIRED IN REFRIGERATORS
    -MINIMUM 10FT. CANDLES REQUIRED IN STORAGE AREAS
    -LIGHTING SHALL BE SHATTERPROOF OR SHIELDED
17. EXISTING FIXTURES, FINISHES, AND EQUIPMENT SHALL BE IN OPERABLE CONDITION AND SUBJECT TO FIELD APPROVAL.
18. WALLS & CEILING IN THE RESTROOMS, PREPARATION, STORAGE, AND JANITORIAL AREAS SHALL BE CONSTRUCTED OF APPROVED MATERIALS SO AS TO BE SMOOTH, WASHABLE, AND EASY TO CLEAN.

PLUMBING NOTE

1. ALL EXISTING GAS TO EQUIPMENT TO BE REMOVED, SHUTOFF AND CAPPED REFER TO PLUMBING.

KITCHEN EQUIPMENT HOOD AND FIRE SYSTEM

1. THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE 2021 EDITION OF THE NFPA 17A. (UL 300 SYSTEM)
2. INSTALLATION OF THE FIRE SUPPRESSION SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DEPT. OF STATE ARCHITECT.
3. UPON COMPLETION OF THE SYSTEM IT SHALL BE TESTED IN THE PRESENCE OF THE STATE FIRE MARSHAL.

APPLICABLE CODE: 2022 CBC

FOODSERVICE EQUIPMENT COMPONENT ANCHORAGE NOTE

ALL FOODSERVICE COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THEN 400 POUNDS AND HAVING A CENTER MASS 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTIONS SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☒ MD ☒ PP ☒ E ☒ Option 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐ Option 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # .

FLOOR LEGEND

SYMBOL/ABBREVIATION	DESCRIPTION
NIS	NOT IN SCOPE OF WORK
OFCI	OWNER FURNISH / CONTRACTOR INSTALLED
OFOI	OWNER FURNISH / OWNER INSTALLED
FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
VFVI	VENDER FURNISH / VENDER INSTALLED
(E), EXIST	EXISTING FOODSERVICE EQUIPMENT
(F)	FUTURE FOODSERVICE EQUIPMENT
	BUILDING WALLS (SEE ARCH. DWGS.)
	WALK-IN COOLER/ FREEZER INSULATED WALLS
1 / 1	KEY / SHEET NOTE
1	ITEM NUMBER SYMBOL (SEE EQUIPMENT SCHEDULE FOR DESCRIPTION)
KITCHEN / 1	ROOM/ AREA NAME AND ROOM NUMBER
C	COLUMN GRIDS WITH COLUMN INDICATORS
48x(#)16	STORAGE SHELVING SIZES (Width x Length)
P	REMOTE PULL LOCATION 48" AFF

SYMBOL	DESCRIPTION
30" CLR. / 48" CLR.	ACCESSIBLE CLEARANCES AND SYMBOL 30"x48" MIN CLEARANCE
	OUTLINE OF FOODSERVICE EQUIPMENT
	FOODSERVICE EQUIPMENT BELOW EQUIPMENT TOP
	FOODSERVICE EQUIPMENT ABOVE EQUIPMENT TOP
	MOBILE FOODSERVICE EQUIPMENT
F.E.	FIRE EXTINGUISHER & CABINET REFER TO ARCH. DRAWINGS FOR FIRE EXTINGUISHER LOCATIONS
FS.1	SHEET NUMBER
W.H.	WATER HEATER (SEE PLUMBING ENG. DWG.)
A FS0.1 B	ELEVATION INDICATOR SYMBOL

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ DESCRIPTION DATE

AMD LLC FOODSERVICE DESIGN

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRMANETO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

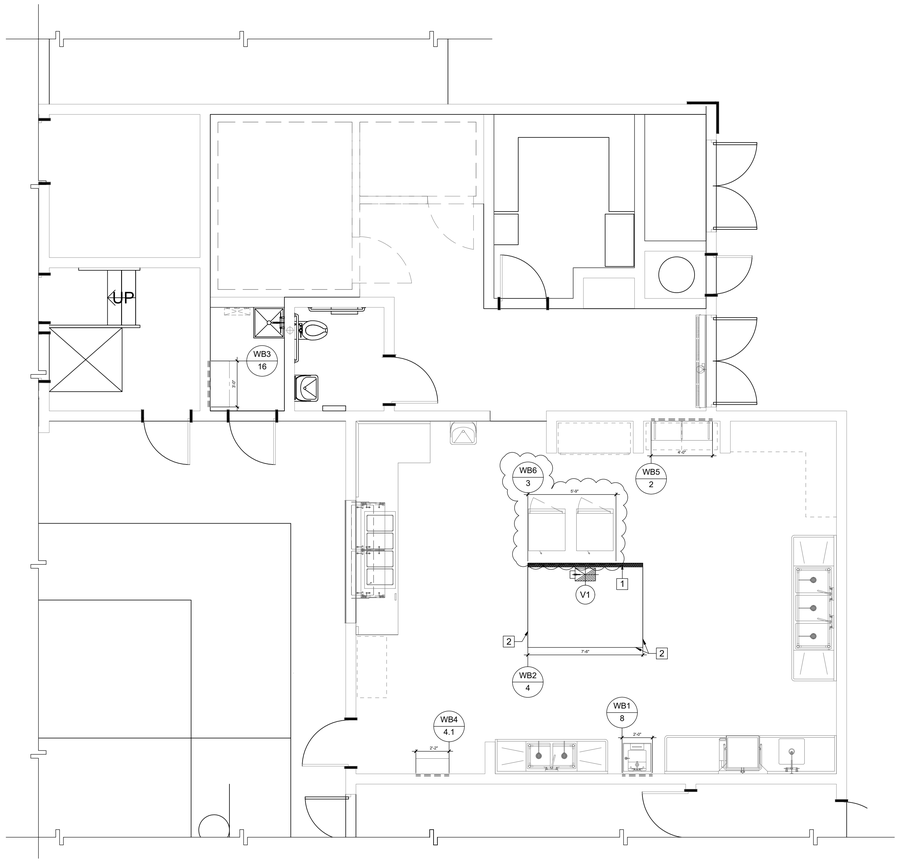
SHEET NAME: **FOODSERVICE EQUIPMENT FLOOR PLAN**

CONSTRUCTION DOCUMENTS

DATE: **01/04/2024** CLIENT PROJ NO: **3186-070-000**

SHEET:

FS1.1



FOODSERVICE EQUIPMENT MECHANICAL PLAN

1 FS4.1

SCALE : 1/4" = 1'-0"

VENTILATING REQUIREMENTS

DUCT NO.	ITEM NO.	DESCRIPTION	ITEM QTY.	RISER SIZE					OUTLET HEIGHT	REMARKS
				HEIGHT	WIDTH	LENG.	CFM	S.P.-WC"		
V1	4	EXHAUST DUCT EXHAUST HOOD	1EA.	8"	10"	16"	1575	0.63"	108"	MAKE DUCT CONNECTION AT HOOD COLLAR REFER TO FS5.1 FOR EXHAUST HOOD DETAILS

COOKING EXHAUST HOOD NOTES

1. - EACH AREA CONTAINING COOKING EXHAUST HOOD(S) WILL HAVE 80% MECHANICAL MAKE-UP AIR PROVIDED IN THE VOLUME OF THE AIR BEING EXHAUSTED.
2. - MAKE-UP AIR SHALL BE DELIVERED IN THE PROXIMITY OF THE EXHAUST HOOD(S) IN A MANNER NOT TO CREATE UNDUE AIR TURBULENCE IN THE WORKING AREAS.
3. - COOKING HOOD(S) EXHAUST AND MAKE-UP AIR SYSTEM(S) WILL BE CONNECTED BY AN ELECTRICAL INTER-LOCKING SWITCH.
4. - MAKE-UP AIR INTAKE MUST CLEAR AIR EXHAUST DISCHARGE BY A MINIMUM OF TEN (10) FEET, OR AS REQUIRED BY CODE(S).
5. - LOCATION OF COOKING HOOD EXHAUST DUCT(S) AND MAKE-UP AIR SYSTEM DUCT(S) ARE TO BE VERIFIED AT THE JOB SITE.
6. - IF REQUIRED BY LOCAL CODE(S), MAKE-UP AIR SYSTEM(S) SHALL BE CAPABLE OF DELIVERING TEMPERED AIR AT 70 DEGREES F..
7. -CONNECTING DUCTS FROM THE EXHAUST VENTILATORS TO THE EXHAUST AND/OR MAKE-UP AIR FANS SHALL BE SUPPLIED AND INSTALLED WITH ALL FINAL CONNECTIONS.
8. -PERFORMANCE TESTING FOR THE OPERATION OF THE TYPE 1 EXHAUST HOOD PER C.M.C. IS REQUIRED
9. -EXTRACTOR HOODS SHALL COMPLY TO THE C.M.C 2022, NFPA-2020, U.L, N.S.F, AND ALL LOCAL CODES AN ORDINANCES.

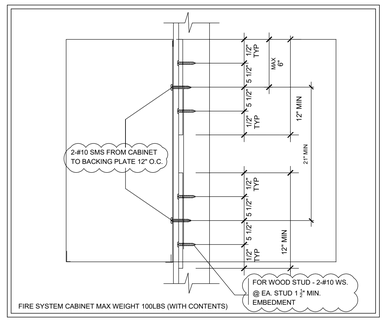
WALL BACKING NOTES

1. - WALL BACKING TO BE 16 GAUGE GALV. STEEL IN LENGTH AND HEIGHT AS SHOWN ON DRAWINGS.
2. - ALL WALL BACKING TO BE IN FURNISHED AND INSTALLED BY CONTRACTOR
3. - FOOD SERVICE EQUIPMENT CONTRACTOR IS TO FURNISH CONTRACTOR WITH DETAILED DRAWINGS SHOWING ALL WALL BACKING LOCATION AND SIZE.
4. - WALL BACKING AS SHOWN IS MINIMUM, EXTEND BACKING TO NEXT STUD EACH DIRECTION AS NECESSARY

WALL BACKING SCHEDULE

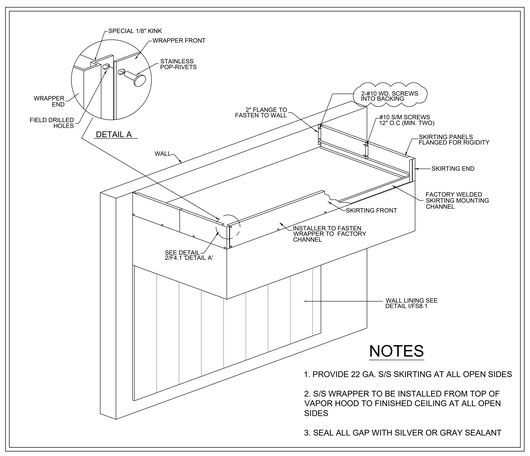
	APPLICATION	BOTTOM OF BACKING	BACKING HGT.	TOTAL FASTENERS PER STUD	ANCHORAGE DETAIL
WB1 8	HAND SINK	+16" AFF	26" HIGH	2	B/FS8.2
WB2 4	WALL LINING	+76"AFF +53"AFF +29"AFF +6"AFF	12" HIGH	8	I/FS8.1
WB3 16	WALL MTD. CABINET	+60"AFF +82"AFF	12" HIGH	4	H/FS8.1
WB4 4.1	WALL MTD. FIRE SYSTEM	+80"AFF +102"AFF	12" HIGH	4	4/FS4.1
WB5 2	WALL SHELF	+50" AFF	12" HIGH	3	G/FS8.1
WB6 3	MOBILE WARMER	+62"AFF +30"AFF	12" HIGH	4	K/FS8.2

NOTES:
1. BACKING TO BE 16 GA. G.I. or C.R.S.
2. REFER TO 1/FS4.1 FOR WALL BACKING LOCATIONS
3. BACKING TO A MINIMUM OF 2 STUDS PER LOCATION, IF BACKING SPANS MORE THAN TWO STUDS CONNECTION AT EACH STUD IS REQUIRED.
4. FOR THE BACKING FASTENER PER STUD CONFIGURATION SEE THE REFERENCED ANCHORAGE DETAIL LISTED IN SCHEDULE



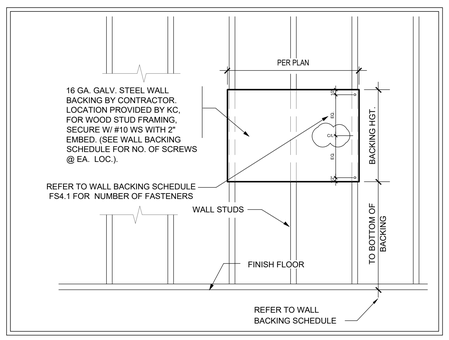
WALL MOUNTED FIRE CABINET

4 FS4.1



CLOSURE SKIRTING AT HOOD

2 FS4.1



WALL BACKING DETAIL

3 FS4.1

MECHANICAL SHEET NOTES

1. 18 GA. STAINLESS STEEL WALL LINING PANELS (MINIMUM WIDTH TO BE 36") WITH 1" MINERAL WOOL BLANKET AND WIRE MESH BACKING OR CERAMIC FIBER BLANKET AND WIRE MESH BACKING SPACES OUT 1" ON NON-COMBUSTIBLE SPACERS WALL LINING TO MEET THE REQUIREMENTS OF NFPA-96 AND LOCAL CODES. WALL LINING SHALL BE FABRICATED WITH VERTICAL FLUTES EVERY 6" AS SHOWN, AND THE WIDTH OF THE EXHAUST HOOD INCLUDING FIRE SYSTEM CABINET
2. PROVIDE STAINLESS STEEL CLOSURE SKIRTING, REFER TO 2/FS4.1

FOODSERVICE MECHANICAL LEGEND

ABREV./SYMB.	DESCRIPTION	ABREV./SYMB.	DESCRIPTION
F.S.E.C	FOODSERVICE EQUIPMENT CONTRACTOR	V#	VENTILATING SCHEDULE REFERENCE REFER TO FS4.1 FOR SCHEDULE
M.C.	MECHANICAL CONTRACTOR		
S.F.	STAINLESS STEEL FABRICATOR	1	KEYNOTE SYMBOL (SEE SHEET NOTES FS4.1)
G.C.	GENERAL CONTRACTOR		
E.C.	ELECTRICAL CONTRACTOR		WALL BACKING
CFM	CUBIC FEET PER MINUTE		
SP	STATIC PRESSURE	# TYPE / # ITEM	BLOCKING TYPE REFER TO FS4.1
	INSULATED S/S WALL LINING 1/FS4.1 FOR LOC.		EXHAUST DUCT CONNECTION

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

AMD FOODSERVICE DESIGN

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRMANETO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME: **FOODSERVICE EQUIPMENT MECHANICAL PLAN**

CONSTRUCTION DOCUMENTS

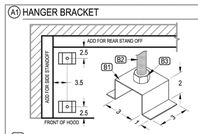
DATE: **01/04/2024**
CLIENT PROJ NO: **3186-070-000**

SHEET:

FS4.1

THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PLOTTED AT 100% SHEETS ORIGINAL PAGE SIZE

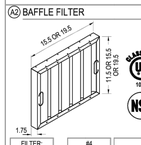
A1 HANGER BRACKET



B1 STAINLESS STEEL HANGER BRACKET
B2 ⅜" THREADED ROD
B3 ⅜" HEAVY DUTY LOCK NUTS, (1) ABOVE (1) BELOW
(THREADED RODS & LOCK NUTS NOT PROVIDED)

A2 BAFFLE FILTER

STAINLESS STEEL



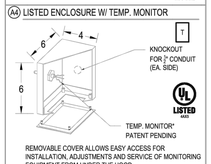
FILTER:			#4					
H x L	EFF AREA		QTY	AREA	QTY	AREA	QTY	AREA
1616	1.36	X	4	5.44				
1620	1.75	X	1	1.75				
TOTAL EFF AREA =			7.19	=		=		=

HOOD EX. CFM ÷ TOTAL EFF AREA = FPM
OPERATING RANGE OF THE FILTER (200 TO 400 FPM)

A3 HOOD CANOPY LIGHTING FIXTURE

- LED WARM - 2800K-3500K
- ONLY UL LISTED LED EDISON-STYLE BULB RATED TO 75°C (167°F)
- MEETS NFPA CODE 96 & NEC 410
- SPECIFICALLY DESIGNED FOR CANOPY HOODS
- VOLTAGE - UL LISTED AT 120V
- 12 WATTS - 960 LUMENS

A4 LISTED ENCLOSURE W/ TEMP. MONITOR



REMOVABLE COVER ALLOWS EASY ACCESS FOR INSTALLATION, ADJUSTMENTS AND SERVICE OF MONITORING EQUIPMENT FROM UNDER THE HOOD.

*FOR TEMPERATURE MONITOR WIRING SEE DETAIL E2

A5 DUCT CONNECTION DETAIL

EXHAUST DUCT COLLAR DETAIL

1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

BALANCEAIRE NOT INCLUDED

INTERNALLY ADJUSTABLE VARIABLE VOLUME DAMPER

1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

PATENT# D634,419 S

THE BALANCEAIRE'S CROSSED BLADES CAN BE ADJUSTED TO VARYING POSITIONS FROM 100% OPEN TO 95% CLOSED TO INCREASE OR DECREASE THE AMOUNT OF RESISTANCE IN THE HOOD EXHAUST COLLAR. THE EXHAUST FAN MUST BE SIZED TO ACCOUNT FOR THE BALANCEAIRE'S ADDED RESISTANCE.

HOOD SCHEDULE

EXHAUST						DIST. FROM COOKING SURFACE TO LOWER EDGE OF HOOD. (OH1)		MINIMUM OVERHANG OPEN SIDES (OH2)	(OH3)	EQUIP. DUTY TEMPERATURE
NO.	MODEL	L	W	H	WEIGHT	SPEC. CFM	SP	CFM/FT	MIN.	MAX.	SIDE	FRONT	MAX.
4	WCLC 906322.5	90	63	22.5	499	1575	0.63	210	36	48	6	6	450

1. GREATER EXHAUST AND/OR LESSER SUPPLY AIR FLOW RATES MAY BE REQUIRED FOR COMPLETE VAPOR AND SMOKE REMOVAL IN SPECIFIC INSTALLATION(S).
2. THE EXHAUST FAN MUST BE OPERATED WHENEVER THE COOKING EQUIPMENT IS TURNED ON. (NFPA SECTION 11.1.1)

HOOD CANOPY MATERIAL: ALL 304 SERIES STAINLESS STEEL

HOOD LEGEND

1. ALL WELDED ENCLOSURE
2. 16 GA. SIDES, REMAINDER OF HOOD TO BE NO LESS THAN 18 GA.
3. PITCHED GREASE DRIP TRAY
4. ENCLOSED METAL CONTAINER
6. ENCLOSURE PANEL
8. 12" HOOD OVERHANG IS RECOMMENDED FOR ALL HEAVY DUTY COOKING APPLIANCES
14. SEE ELECTRICAL SCHEDULE - CONSULT FACTORY FOR ALTERNATE INPUT POWER LOCATION(S)

ELECTRICAL SCHEDULE

CIRCUIT	DESCRIPTION	LOAD	PHASE	FED FROM
CB1	CIRCUIT BREAKER			

IF AN ELECTRICAL SCHEDULE IS NOT SHOWN FOR THE HOODS IS INCLUDED, THE ELECTRICAL SCHEDULE IS NOT VALID. REFER TO DEMANDAIRE DRAWINGS.

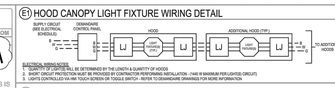
SEE DEMANDAIRE DRAWING FS5.1

ELECTRICAL LEGEND

- STREIVOR FACTORY WIRING
- FIELD WIRING BY OTHERS
- LJ — HOOD CANOPY LIGHT(S) JUNCTION BOX
- TJ — TEMPERATURE MONITOR(S) JUNCTION BOX

NOTE: FACTORY INSTALLATION OF JUNCTION BOXES MAY DIFFER FROM LOCATION ON DRAWINGS

E1 HOOD CANOPY LIGHT FIXTURE WIRING DETAIL



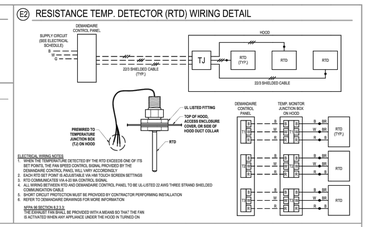
ADDITIONAL WIRING NOTES:
1. QUANTITY OF CANOPIES TO BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION - (1AMP MAXIMUM PER LIGHTED CIRCUIT)
3. LIGHTS CONTROLLED VIA AMI TOUCH SCREEN OR TOGGLE SWITCH - REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

E3 INTERNAL HOOD FAN (IHF) WIRING DETAIL

ELECTRICAL WIRING NOTES:
1. WHEN THE TEMPERATURE IS DETECTED BY THE RTD ENCLOSURE ONE OF ITS SET POINTS, THE FAN SPEED CONTROL SIGNAL PROVIDED BY THE DEMANDAIRE CONTROL PANEL WILL VARY ACCORDINGLY.
2. EACH RTD SET POINT IS ADJUSTABLE VIA AMI TOUCH SCREEN SETTINGS
3. ALL WIRING BETWEEN RTD AND DEMANDAIRE CONTROL PANEL TO BE ULISTED 22 AWG THREE STRAND SHIELDED COMMUNICATION CABLE.
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

NFPA 96 SECTION 9.3.5.3:
THE EXHAUST FAN SHALL BE PROVIDED WITH A MEANS SO THAT THE FAN IS ACTIVATED WHEN ANY APPLIANCE UNDER THE HOOD IS TURNED ON

E2 RESISTANCE TEMP. DETECTOR (RTD) WIRING DETAIL



GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR, BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

PRE - INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S HOOD INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, STARTUP OR BALANCING.

INSTALLATION

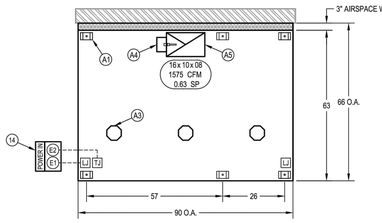
ALL INSTALLATION, STARTUP AND BALANCING MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS.

STANDARD NFPA 96 HOOD CLEARANCES
0" TO NON-COMBUSTIBLE MATERIALS
3" TO LIMITED-COMBUSTIBLE MATERIALS
18" TO COMBUSTIBLE MATERIAL

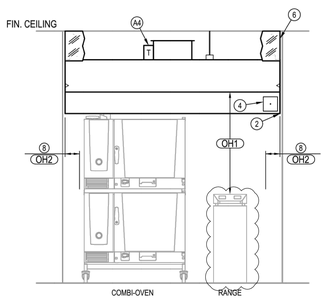
OVERHEAD CLEARANCES
10" CLEARANCE IS REQUIRED ABOVE THE HOOD

REDUCED CLEARANCES
REDUCED CLEARANCES MAY BE AVAILABLE. CONSULT FACTORY FOR REDUCED CLEARANCE OPTIONS.

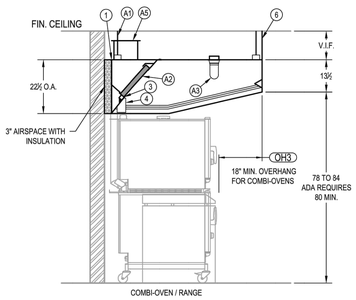
TEST AND BALANCE
THE SPECIFIED EXHAUST CFMS LISTED ON THIS DRAWING MUST BE MET DURING TEST AND BALANCE OF THE HOOD SYSTEM(S).
VARIANCE EXHAUST = -0% +10%
VARIANCE SUPPLY= -10% +0%



HOOD #4
PLAN VIEW



HOOD #4
ELEVATION VIEW



HOOD #4
SECTION VIEW

NOT INCLUDED

AGENCY APPROVAL:

Sacramento City Unified School District

HMC Architects
3186-070-000
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

PROJECT:
MATSUYAMA ES

7680 WINDBRIDGE DR.
SACRAMENTO, CA 95831

AMD FOODSERVICE DESIGN

HOOD #:	4
DATE:	11/28/2023
DRAWN BY:	TN
CHECKED BY:	KCS
CONSULTANT:	AMD FOODSERVICE DESIGN
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'-0"
3" BAR DOES NOT MEASURE 3" - THIS DRAWING IS NOT PLOTTED TO SCALE	

Δ	DESCRIPTION	DATE	INT
1	PLAN CHECK COMENTS	02/26/24	KCS
2	---	-/-/--	---
3	---	-/-/--	---
4	---	-/-/--	---
5	---	-/-/--	---

DRAWING:
H-01
SHEET 01 OF 01

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRMANETO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME: FOODSERVICE EQUIPMENT EXHAUST HOOD DETAILS

CONSTRUCTION DOCUMENTS

DATE: 01/04/2024
CLIENT PROJ NO: 3186-070-000
SHEET:
FS5.1

THE LINE SHOWN ABOVE IS EXACTLY 3" LONG ON ORIGINAL PAGE SIZES

LISTINGS & STANDARDS

THIS WET CHEMICAL EXTINGUISHING SYSTEM IS ENGINEERED TO PROVIDE FIRE PROTECTION FOR RESTAURANT HOODS, DUCTS AND COOKING APPLIANCES, IS **UL 300** LISTED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NFPA 17A 2021 EDITION
- NFPA 10 2018 EDITION
- NFPA 96 2021 EDITION

SECTIONS & CODES

NFPA 10 2018 EDITION

(6.6.2) MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 30 FT (9.1 M) FROM THE HAZARD TO THE EXTINGUISHER(S)

NFPA 17A 2021 EDITION

(5.2.1.10.1) EACH MANUAL ACTUATION DEVICE SHALL BE INSTALLED NO MORE THAN 48 IN. (1200 MM) AND NO LESS THAN 42 IN. (1067 MM) ABOVE THE FLOOR.

NFPA 96 2021 EDITION

(8.2.3.1) A HOOD EXHAUST FAN(S) SHALL CONTINUE TO OPERATE AFTER THE EXTINGUISHING SYSTEM HAS BEEN ACTIVATED UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE DESIGN OF THE EXTINGUISHING SYSTEM.

(8.2.3.2) THE HOOD EXHAUST FAN SHALL START UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IF THE EXHAUST FAN AND ALL COOKING EQUIPMENT SERVED BY THE FAN HAVE BEEN SHUT DOWN, UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE LISTING OF THE EXTINGUISHING SYSTEM.

(8.3.3.2) WHEN THE FIRE-EXTINGUISHING SYSTEM ACTIVATES, MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

(10.4.1) UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRICAL POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.

(10.4.3) GAS APPLIANCE NOT REQUIRING PROTECTION BUT LOCATED UNDER VENTILATING EQUIPMENT WHERE PROTECTED APPLIANCES ARE LOCATED SHALL BE AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM

(10.4.4) SHUTOFF DEVICE SHALL REQUIRE MANUAL RESETTING PRIOR TO FUEL / POWER BEING RESTORED

(10.5.1.1) AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

(10.5.1.2) THE MANUAL ACTUATION DEVICE SHALL CLEARLY IDENTIFY THE HAZARD PROTECTED.

CMC 2022 EDITION

(913.5) ALL SYSTEMS SHALL HAVE BOTH AUTOMATIC AND MANUAL METHODS OF ACTUATION. AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

INSTALLATION REQUIREMENTS

1. ALL PIPE SHALL BE SCHEDULE 40 BLACK IRON. CHROME PLATED/SILVERED WHERE EXPOSED.
2. ALL CYLINDER SYSTEMS SHALL HAVE 3/8" SUPPLY LINES AND 3/8" BRANCH LINES.
3. ALL WIRE ROPE SHALL BE 1/16" STAINLESS STEEL AND RUN THROUGH 1/2" EMT CONDUIT.
4. U.L. LISTED CORNER PULLEYS REQUIRED WHENEVER THE STAINLESS STEEL CABLE DIRECTION CHANGES.
5. ALL EQUIPMENT WITH FIRE PROTECTION MUST BE SECURED TO FLOOR. (NOT BY STREIVOR)
6. SWIVEL ADAPTERS MAY BE ADDED TO NOZZLES FOR UP TO 30° ROTATION.

SYSTEM #1

PAGE NUMBERS REFERENCED FROM THE 'ANSUL R-102 FIRE SUPPRESSION SYSTEM: TECHNICAL MANUAL'

CABLE/LINE LIMITATIONS

		LENGTH		PULLEYS	BRACKETS
FUSIBLE LINK (pg. 4-71)	MAXIMUM	150.00	FT	20	15
	ALLOTTED	25.00	FT	3	2 *
PULL STATION(S) (pg. 4-73)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	15.00	FT	2	N/A
GAS VALVE(S) (pg. 4-74)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	--.--	FT	--	N/A
GAS CARTRIDGE(S) (pg. 4-61)	MODEL	LT-30-R		--	--
	PART NUMBER	429435		--	--

CYLINDER #1

ZONE COVERAGE	COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
■	DUCT	2 W	1	2	4-1
■	PLENUM	1 N	1	1	4-6
■	RANGE	1 F	2	2	4-17
	TOTAL FLOW POINTS			5	

PIPING LIMITATIONS

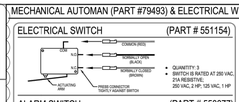
CYLINDER	FLOW POINTS	SUPPLY	DUCT	PLENUM	EQUIP.	FIRST TO LAST
1.5 GAL	MAXIMUM 5	40 FT	6 FT	4 FT	10 FT	8 FT
	ALLOTTED 5	24 FT	4 FT	1 FT	3 FT	4 FT

LEGEND

- PATH OF EGRESS
- DETECTION LINE ROUTE
- PIPING
- K-CLASS FIRE EXTINGUISHER (NOT SUPPLIED BY STREIVOR)
- FIELD PIPING
- PULL STATION
- DUCT NOZZLE MAX PERIMETER (2W 100)
- AUTOMAN
- PLENUM NOZZLE MAX PLENUM LENGTH (1N 120)
- DETECTOR BRACKET (FRONT VIEW)
- APPLIANCE NOZZLE AND HEIGHT (1N 40 30)
- DETECTOR BRACKET (PLAN VIEW)
- DOWNWARD FACING NOZZLE (1X)
- NOZZLE COVERAGE
- ANGLED NOZZLE AND TARGET LOCATION (1X)

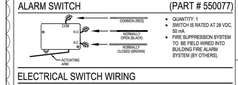
MECHANICAL AUTOMAN (PART #79493) & ELECTRICAL WIRING

ELECTRICAL SWITCH (PART # 551154)



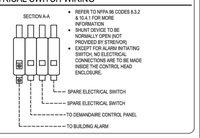
- QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE; 250 VAC, 2 HP; 125 VAC, 1 HP

ALARM SWITCH (PART # 550077)

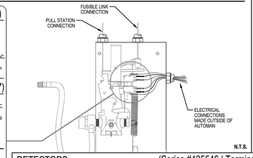


- QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM IS HARD WIRED INTO BUILDING FIRE ALARM SYSTEM (BY OTHERS)

ELECTRICAL SWITCH WIRING

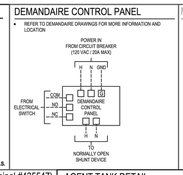


- REFER TO NFPA 96 CODES 8.3.2 & 10.4.1 FOR MORE INFORMATION
- SHUNT DEVICE TO BE NORMALLY OPEN (NOT SUPPLIED BY STREIVOR)
- EXCEPT FOR ALARM INITIATING SWITCH, NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CONTROL HEAD ENCLOSURE.

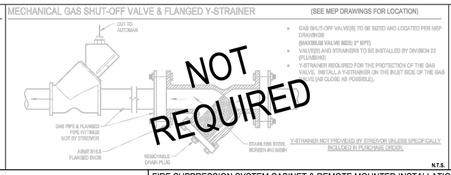


DEMANDAIRE CONTROL PANEL

- REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION AND LOCATION

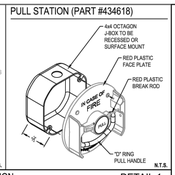


MECHANICAL GAS SHUT-OFF VALVE & FLANGED Y-STRAINER (SEE MEP DRAWINGS FOR LOCATION)

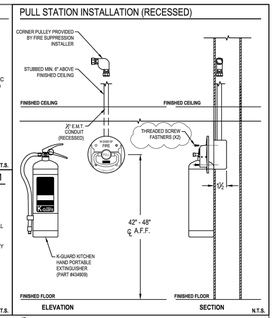


- GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS.
- (MAXIBLUE VALVE SIZE: 3" NPT)
- VALVES AND STRAINERS TO BE INSTALLED BY DIVISION 22 (PLUMBING)
- Y-STRAINER REQUIRED FOR THE PROTECTION OF THE GAS VALVE. INSTALL A Y-STRAINER ON THE INLET SIDE OF THE GAS VALVE (40 CLOSE-40 POSIBBLE).

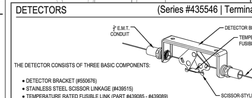
PULL STATION (PART #434618)



PULL STATION INSTALLATION (RECESSED)



DETECTORS (Series #435546 | Terminal #435547)



THE DETECTOR CONSISTS OF THREE BASIC COMPONENTS:

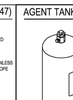
- DETECTOR BRACKET (#550578)
- STAINLESS STEEL SCISSOR LINKAGE (#435515)
- TEMPERATURE RATED FUSIBLE LINK (PART #439085 - #439089)

NOT PROVIDED BY STREIVOR

THE SCISSOR STYLE DETECTION ALLOWS THE WIRE ROPE TO BE STRUNG CONTINUOUSLY THROUGH THE DETECTION SYSTEM CONDUIT AND BRACKETS FIRST. THEN THE DETECTOR LINKAGE ASSEMBLIES ARE CLIPPED ON LATER.

*A-PCS/L STYLE FUSIBLE LINK TO BE PROVIDED BY INSTALLER (TEMP RATING TO BE VERIFIED AND DETERMINED IN FIELD)

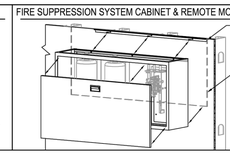
AGENT TANK DETAIL



- 3 GALLON SHIPPING WEIGHT 7 LB (3.2KG) - PART #429862
- 1.5 GALLON SHIPPING WEIGHT 5 LB (2.3KG) - PART #429864

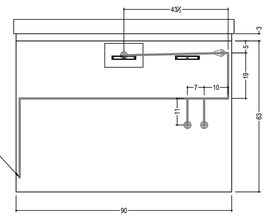
THE STAINLESS STEEL TANK IS SHIPPED UNCHARGED AND MUST BE FILLED WITH ONLY ANSULEX LOW PH LIQUID FIRE SUPPRESSANT DURING INSTALLATION. ANSULEX IS A POTASSIUM-BASED SOLUTION DESIGNED FOR FAST KNOCK-DOWN AND SUPPRESSION OF GREASE-RELATED FIRES.

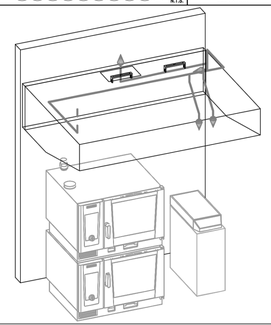
FIRE SUPPRESSION SYSTEM CABINET & REMOTE MOUNTED INSTALLATION DETAIL 1



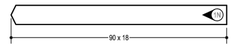
- 36" MINIMUM CLEARANCE REQUIRED IN FRONT OF THE REMOVABLE CABINET DOOR.
- SUPPORT BACKING REQUIRED IF CABINET MOUNTS TO WALL.
- CABINET (WALL MOUNTED, SEE FIGURE TO THE LEFT) AND FIRE SUPPRESSION SYSTEM COMPONENTS APPROXIMATELY 100 LBS/FT. SEE PATH OF EGRESS DRAWING FOR CABINET DIMENSIONS

SYSTEM #1 : HOOD #4

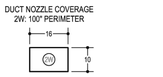


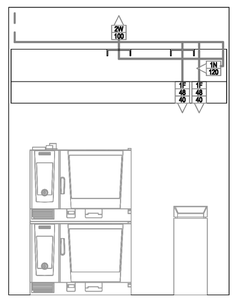


PLENUM NOZZLE COVERAGE
1N: 120 LONG x 48 WIDE



DUCT NOZZLE COVERAGE
2W: 100" PERIMETER



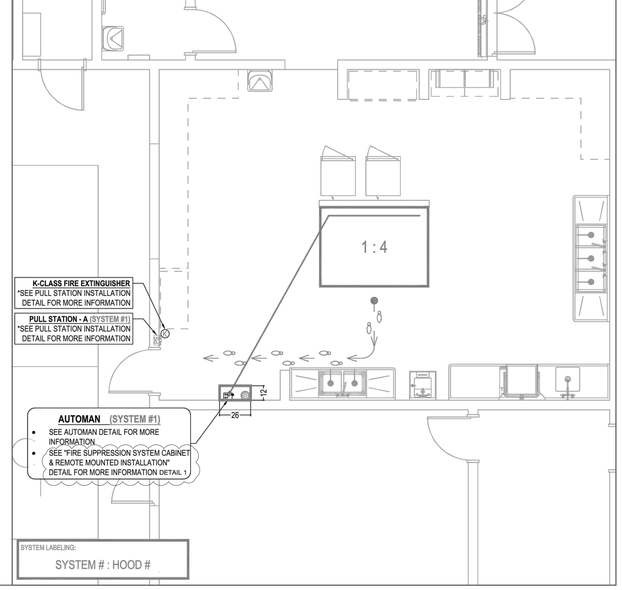


MAX COVERAGE: 1F: 28x12

NOTE: FIELD PIPING TO BE INSTALLED BY A STREIVOR APPOINTED LICENSED FIRE SUPPRESSION INSTALLER

PATH OF EGRESS

SCALE: 1/4" = 1'-0"



INSTALLER:

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY QUESTIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR ON THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT BE RESPONSIBLE FOR CONSTRUCTION DEFECTS DUE TO FAILURE TO FOLLOW PLANS, CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR, BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN REASONABLY DISCOVERED PRIOR TO THE SUBMITTAL OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

PROJECT:
MATSUYAMA ES

7680 WINDBRIDGE DRIVE
SACRAMENTO, CA 95831

AMD FOODSERVICE DESIGN

ITEM #:	4.1
SYSTEM #:	1
HOOD #:	4
DATE:	11/28/2023
DRAWN BY:	KCS
CHECKED BY:	HLF
CONSULTANT:	AMD FOODSERVICE DESIGN
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'- 0"

IF BAR DOES NOT MEASURE 1" IF BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT.
1	PLAN CHECK COMENTS	02/26/24	KCS
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---

DRAWING:

F-01

SHEET 01 OF 01

AGENCY APPROVAL:

Sacramento City UNIFIED SCHOOL DISTRICT

HMC Architects

3186-070-000

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

ISSUE

Δ DESCRIPTION DATE

AMD LLC FOODSERVICE DESIGN

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRMANETO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME: **FOODSERVICE EQUIPMENT EXHAUST HOOD DETAILS**

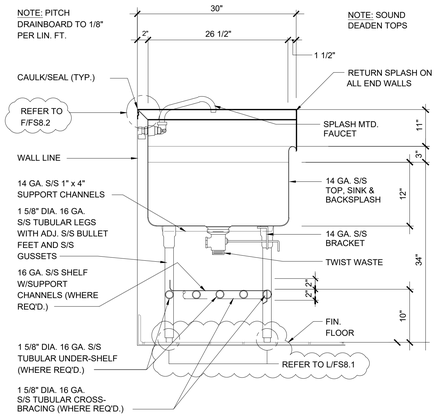
CONSTRUCTION DOCUMENTS

DATE: **01/04/2024** CLIENT PROJ NO: **3186-070-000**

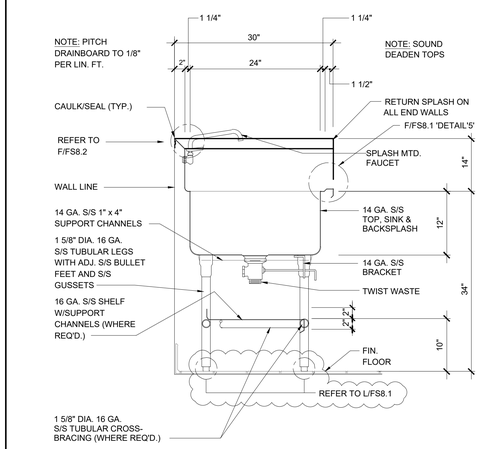
SHEET:

FS5.2

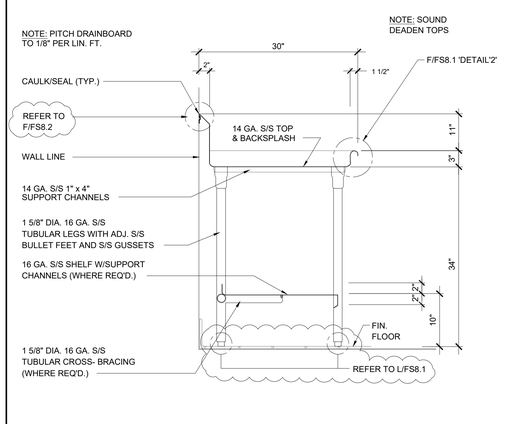
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON SHEETS ORIGINAL PAPER SIZE



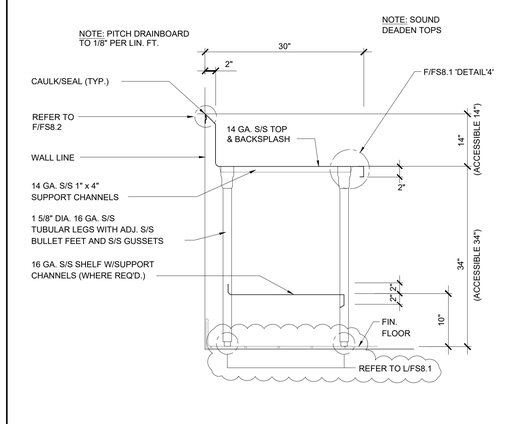
A SECTION AT POT SINK (INTEGRAL) NTS



B SECTION AT PREP SINK NTS

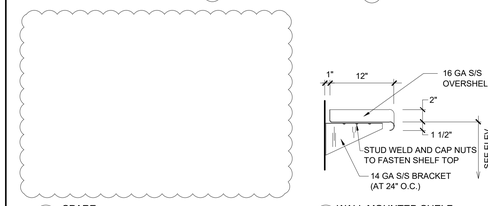


C SECTION AT DISHTABLE NTS

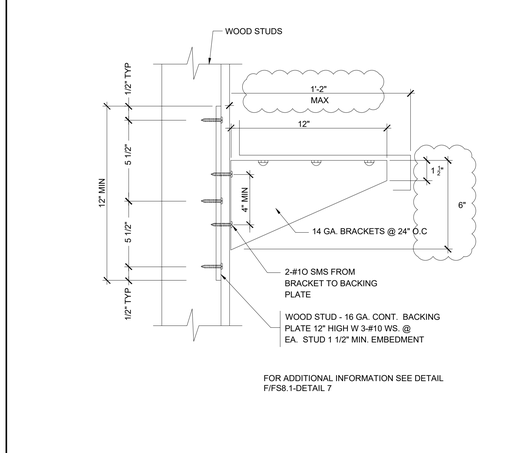


D SECTION AT WORKCOUNTER NTS

E SPARE NTS

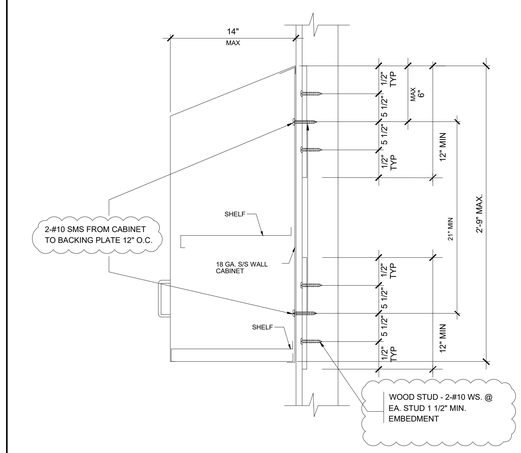


F EDGE/SPLASH/SHELF DETAILS NTS

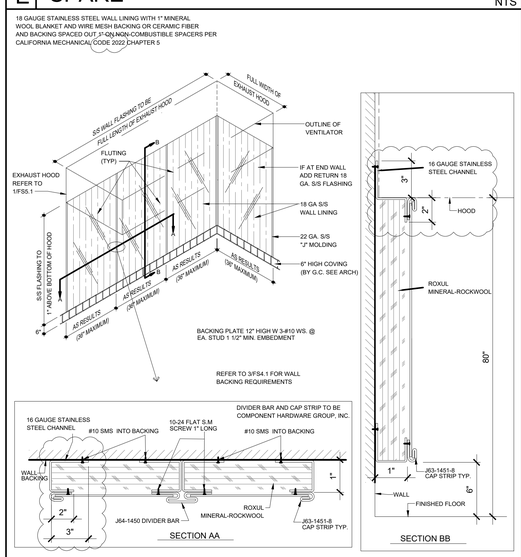


NOTE: REFER TO 3/FS4.1 FOR ADDITIONAL BACKING DETAIL

G WALL MOUNTED SHELF NTS

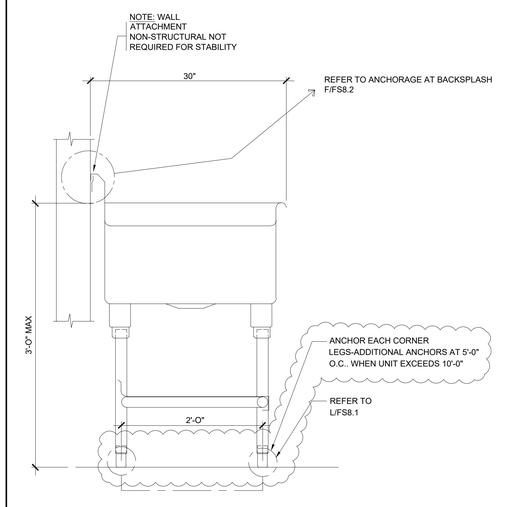


H WALL MOUNTED CABINET NTS

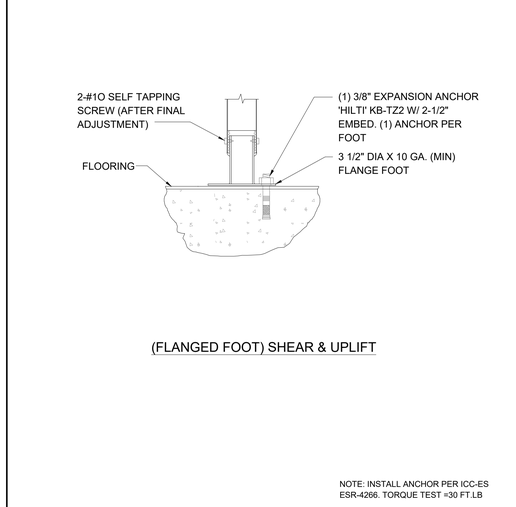


I S/S INSULATED WALL LINING DETAIL NTS

J SPARE NTS



K FLOOR MOUNTED SINK @ WALL NTS



(FLANGED FOOT) SHEAR & UPLIFT

NOTE: INSTALL ANCHOR PER ICC-ES ESR-4266. TORQUE TEST =30 FT.LB

L FOOT ANCHORAGE DETAIL

AGENCY APPROVAL:

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HMC Architects
3186-070-000
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SACRAMENTO, CA, 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

Δ DESCRIPTION DATE

AMD LLC FOODSERVICE DESIGN

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRMANETO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

SHEET NAME: **FOODSERVICE EQUIPMENT ANCHORAGE DETAILS**

CONSTRUCTION DOCUMENTS

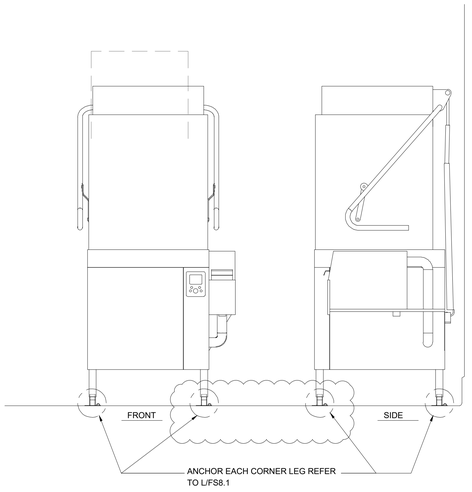
DATE: **01/04/2024** CLIENT PROJ NO: **3186-070-000**

SHEET:

FS8.1

THE LINE SHOWN ABOVE IS 3" LONG ON ORIGINAL DRAWING. IF NOT SHEET IS ORIGINAL PAGE SIZE

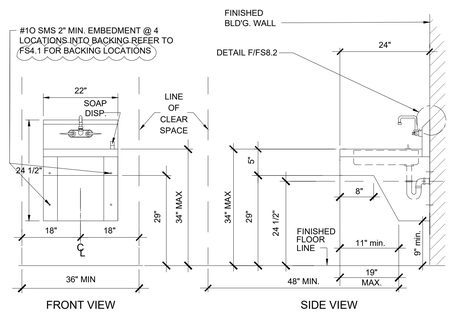
A DISHWASHER NTS



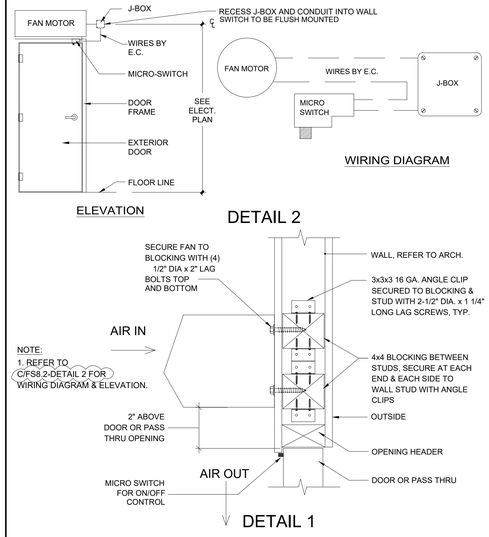
B ACCESSIBLE HAND SINK DETAILS NTS

ACCESSIBLE HAND SINK REQUIREMENT NOTES

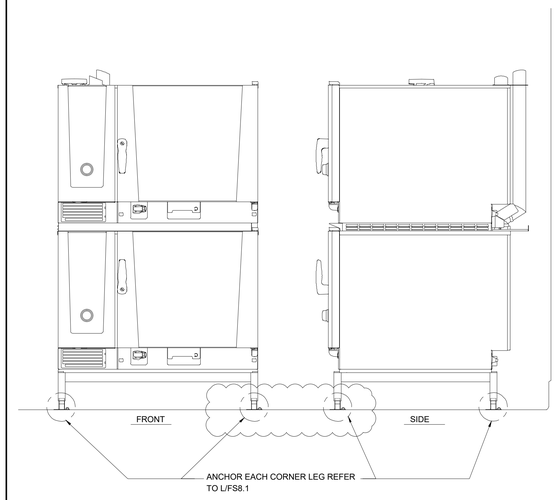
1. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE HAND SINKS SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER HAND SINKS.
2. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. LEVER-OPERATED, PUSH-TYPE AND MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.
3. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, SOAP DISPENSER AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PART'S WITHIN 40 INCHES FROM THE FINISHED FLOOR.
4. ALL DIMENSIONS SHOWN ARE MINIMUM CLEARANCES, UNLESS NOTED.
5. AREA BELOW HAND SINKS SHALL BE ACCESSIBLE AND CLEAR.



C AIR CURTAIN MTG & MICRO SWITCH DTL NTS



D DOUBLE STACK CONVECTION OVEN NTS



E

SPARE

F ANCHORAGE AT BACKSPLASH NTS

G

SPARE

H

SPARE

I

SPARE

J

SPARE

K ANCHORAGE AT BACKSPLASH

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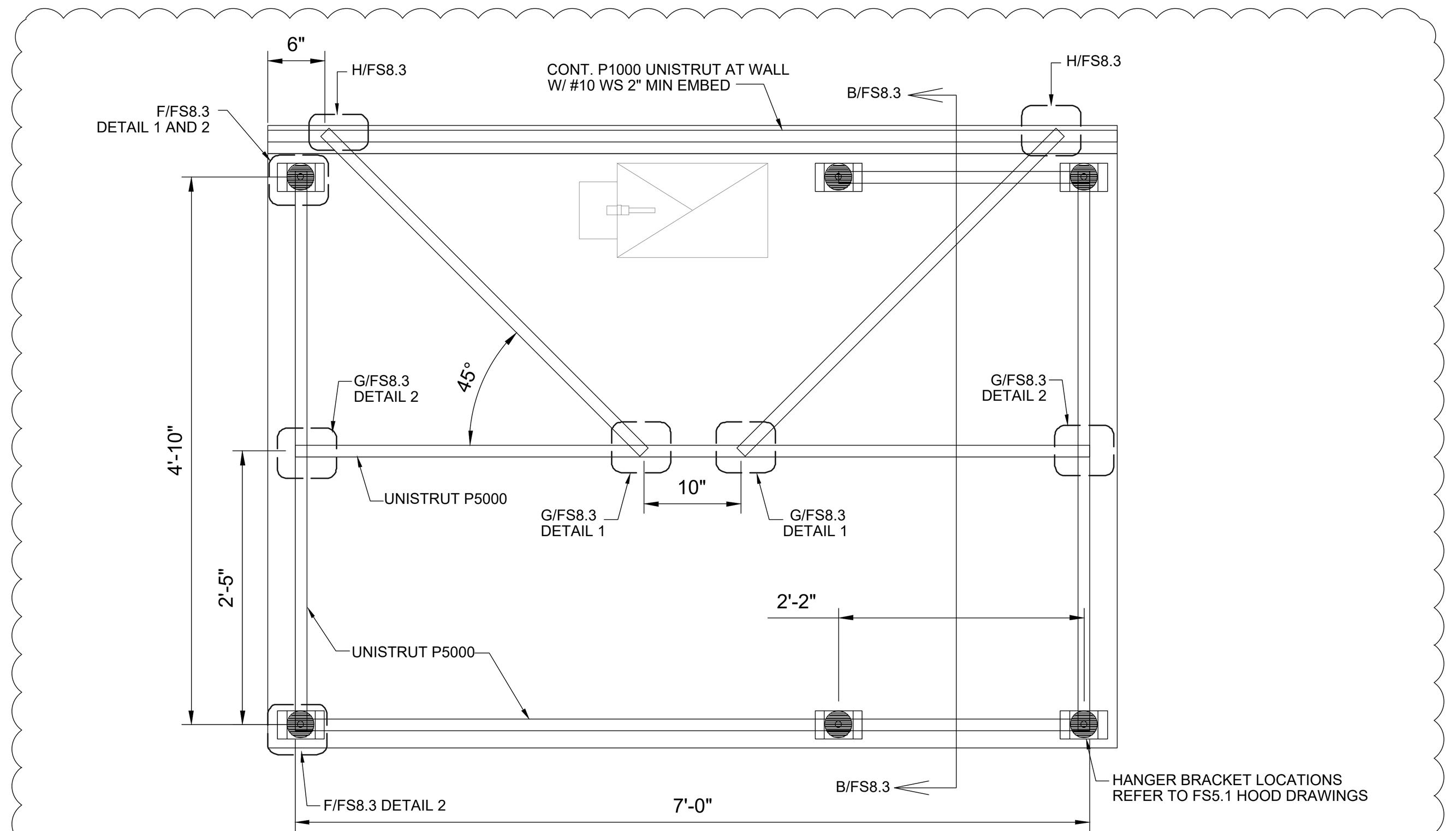
SHEET:

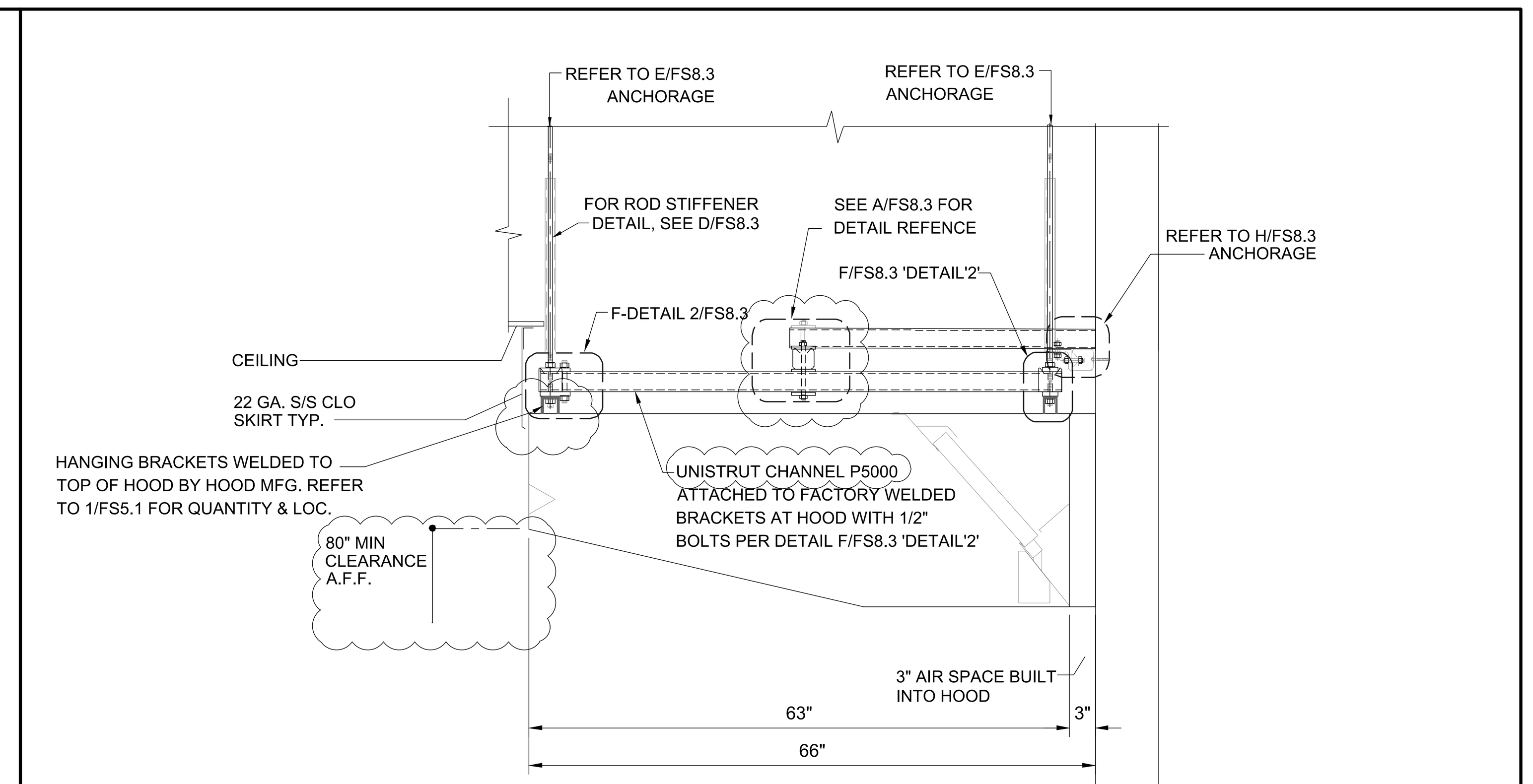
FS8.2



PLAN VIEW @ HOOD ITEM 4
HANGER AND BRACING
REFER TO FS5.1 FOR HOOD DRAWINGS

REFER TO FS5.1 FOR EXHAUST HOOD DETAIL HANGER LOCATIONS AND DIMENSIONS

A EXHAUST HOOD ANCHORAGE DETAIL PLAN VIEW

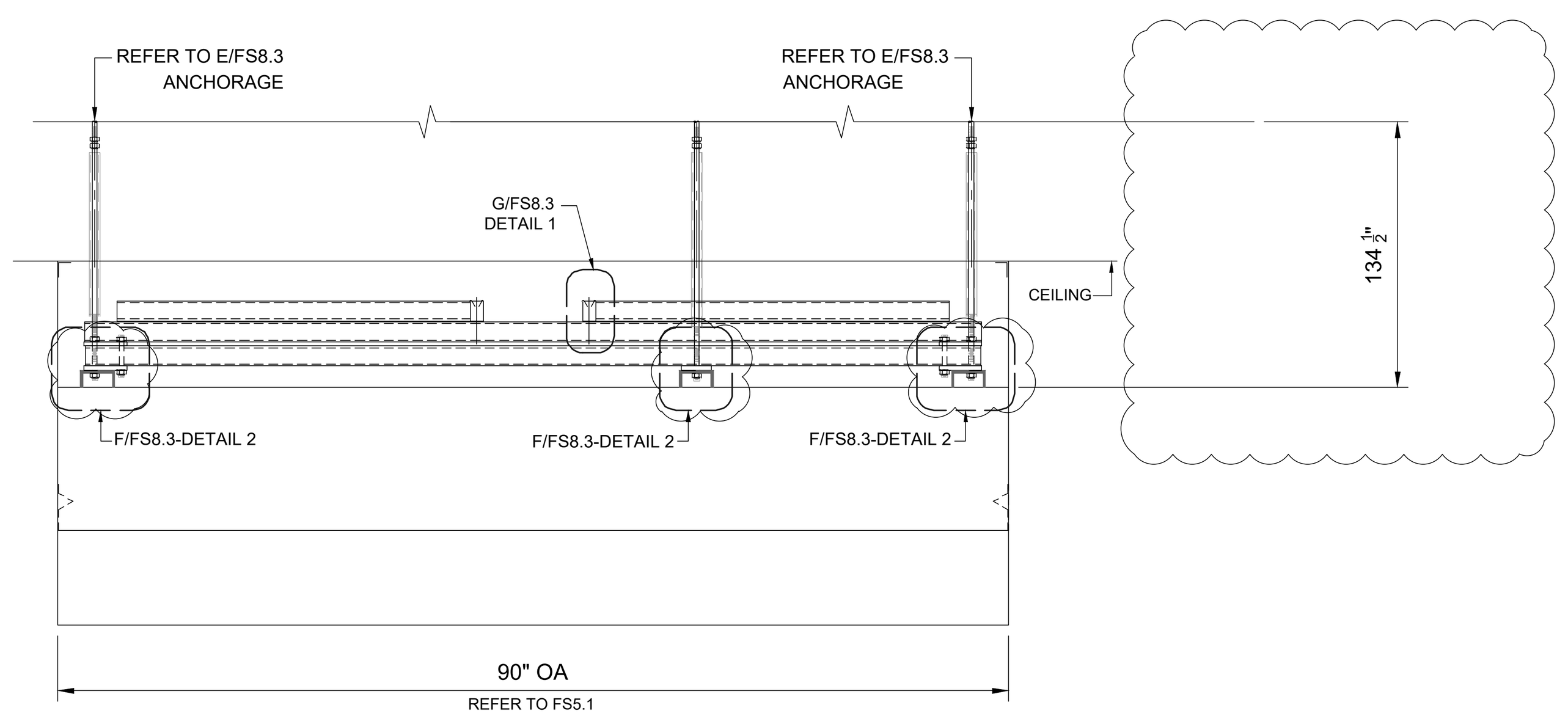


SECTION AT HOOD
HANGER AND BRACING
SIDE/END VIEW

REFER TO FS5.1 FOR EXHAUST HOOD PLAN
REFER TO A/FS8.3 FOR UNISTRUT PLAN AND CONFIGURATION

B EXHAUST HOOD ATTACHMENT SECTION

NTS

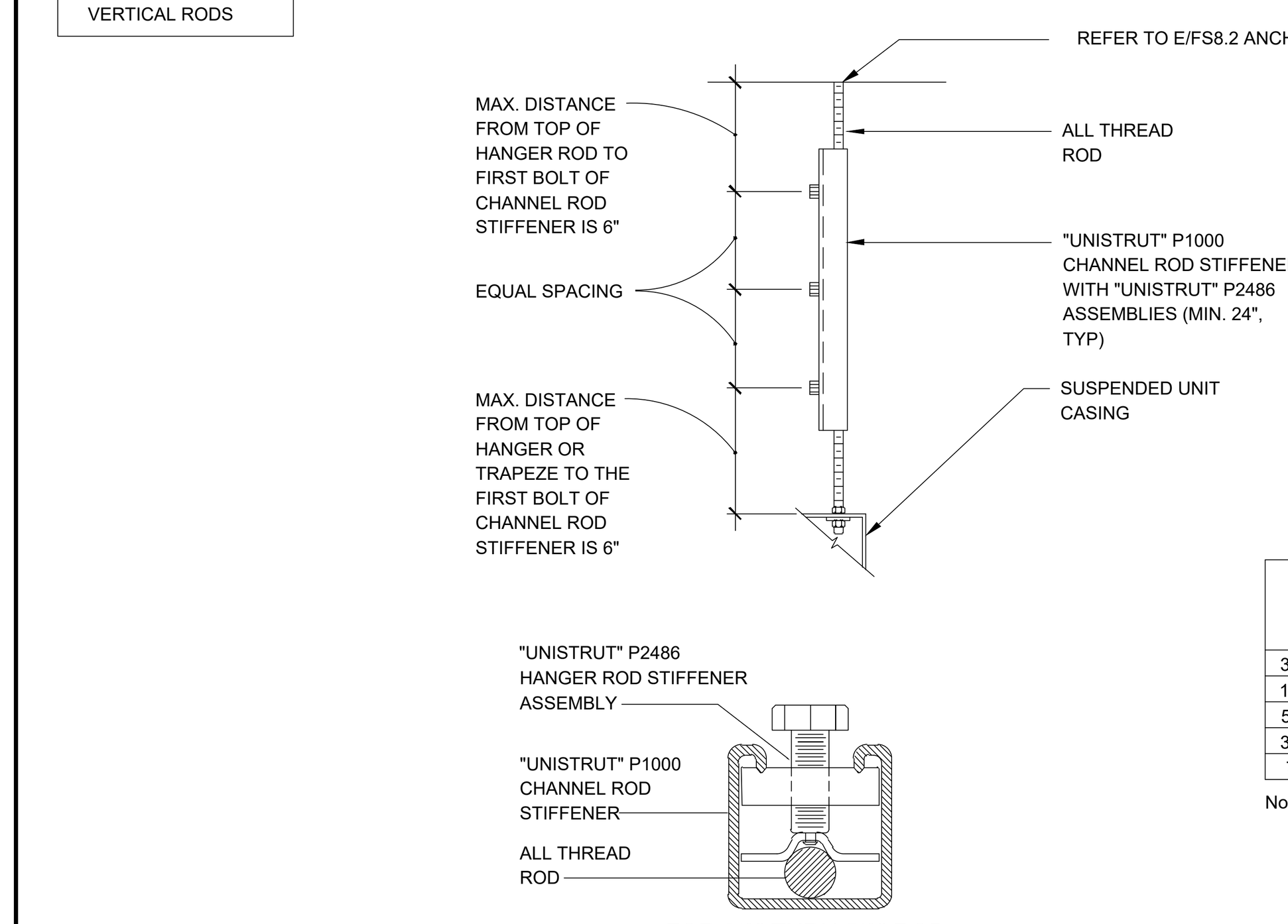


FRONT ELEVATION @ HOOD ITEM 4
HANGER AND BRACING

REFER TO FS5.1 FOR EXHAUST HOOD DETAIL

C EXHAUST HOOD ELEVATIONS

NOTE:
TYPICAL FOR ALL VERTICAL RODS



FOR 3/8" THRU 5/8" ROD
(FOR 3/4" & 7/8" ROD USE SC-UB)

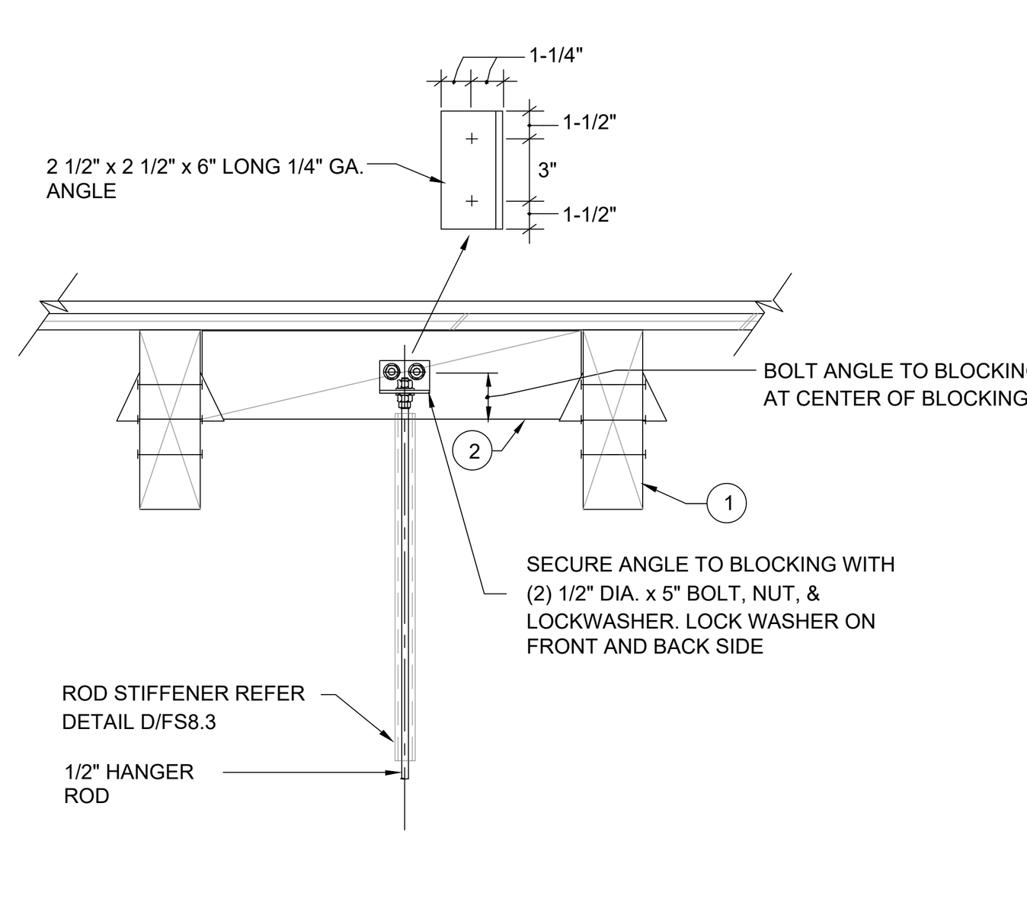
ROD STIFFENER CHART

ATR Size	Max. Rod Length Without Rod Stiffener In.	(mm)
3/8"-16	19"	(482.6)
1/2"-13	25"	(635.0)
5/8"-11	31"	(787.4)
3/4"-10	37"	(939.8)
7/8"-9	43"	(1092.2)

Note: Minimum of (2)-P2486

D ROD STIFFENER DETAIL

NTS

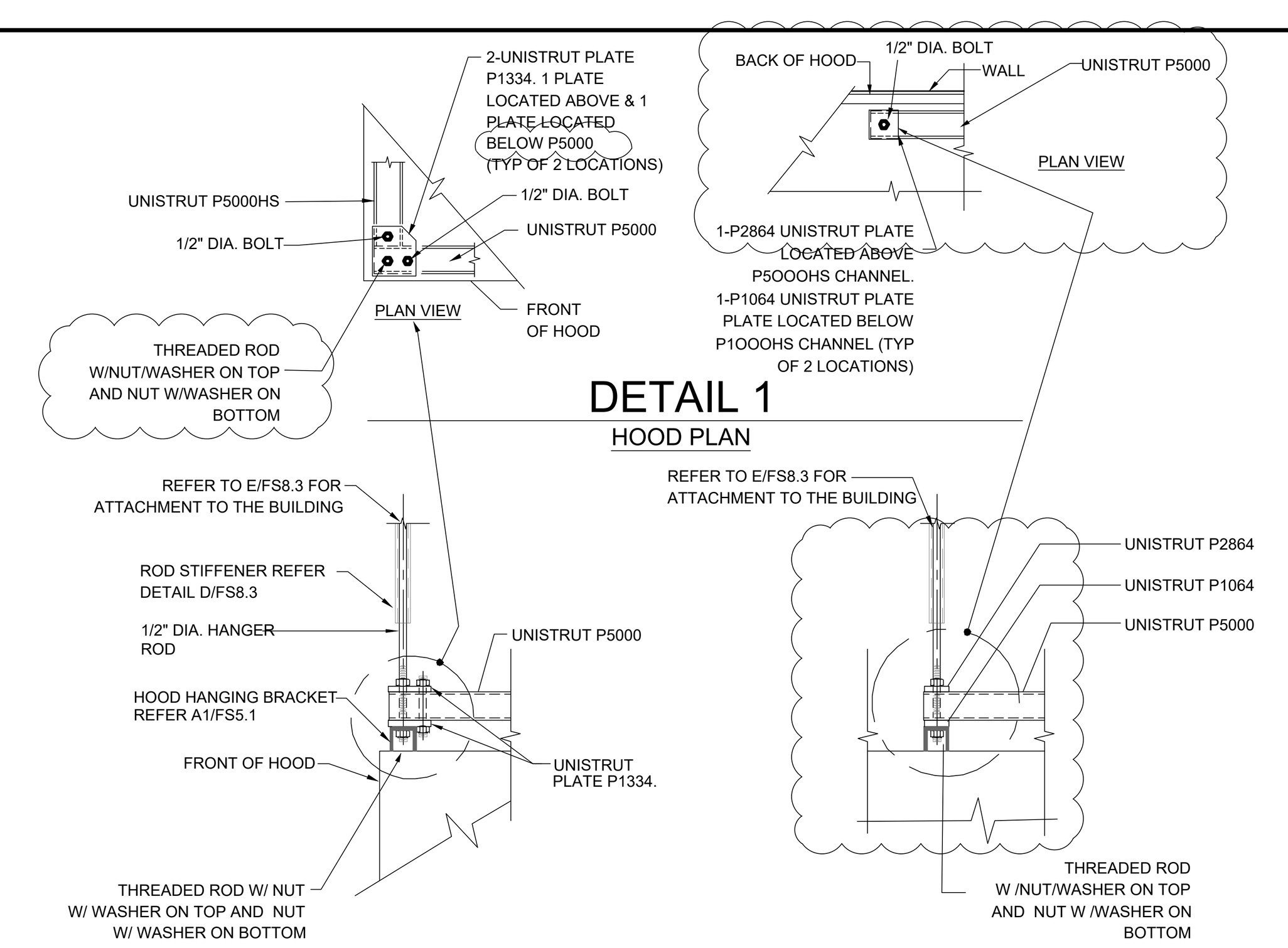


HOOD HANGER SUPPORT
REFER TO A/FS8.3 FOR HOOD DETAIL

1. EXISTING 2x JOISTS
2. 4x8 BLOCKING W/ SIMPSON U46 HANGER EACH END TYP

E TYP. UPPER ATTACHMENT

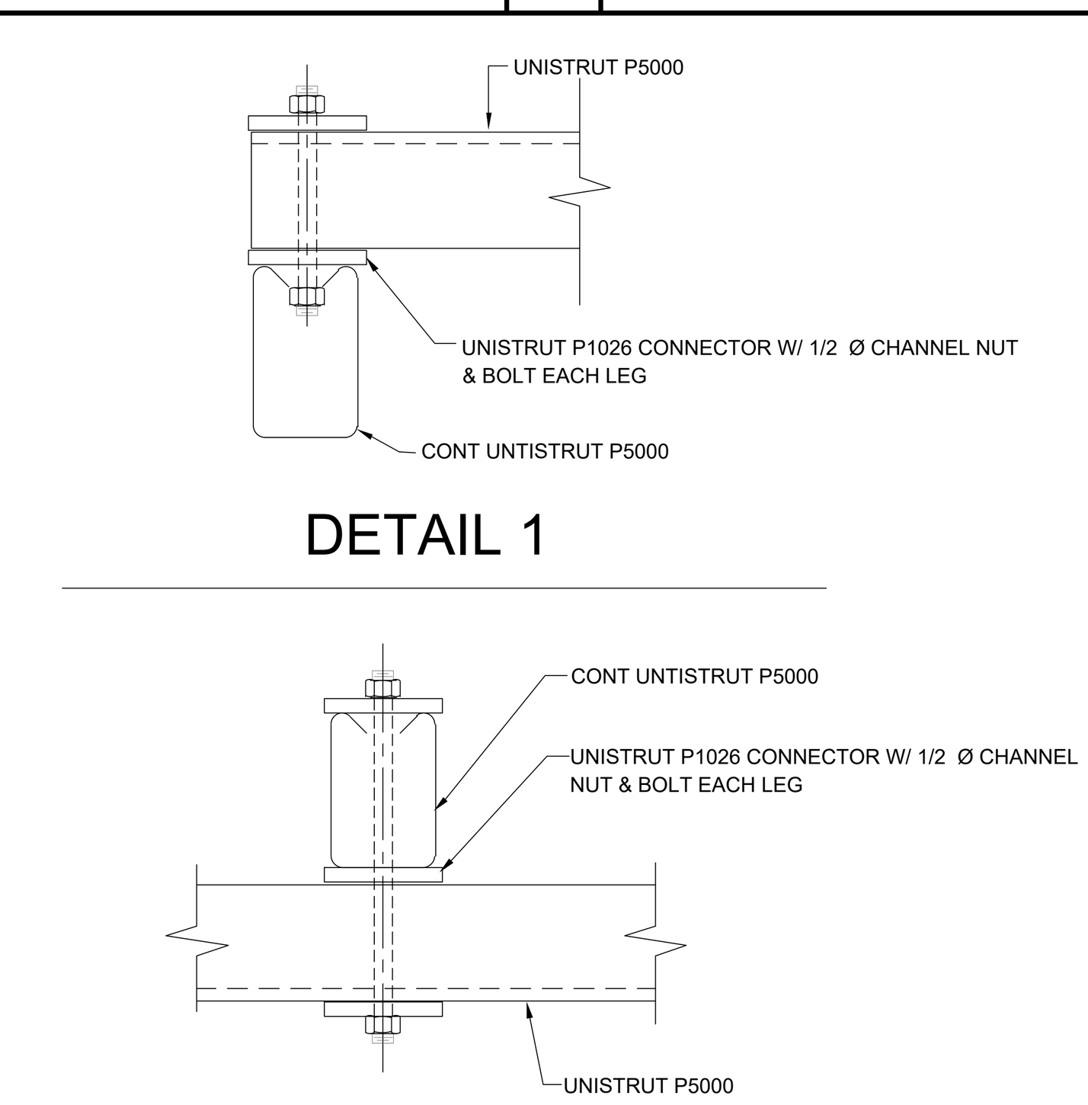
NTS



DETAIL 2
HOOD SIDE VIEW

F HOOD HANGING SUPPORT

NTS

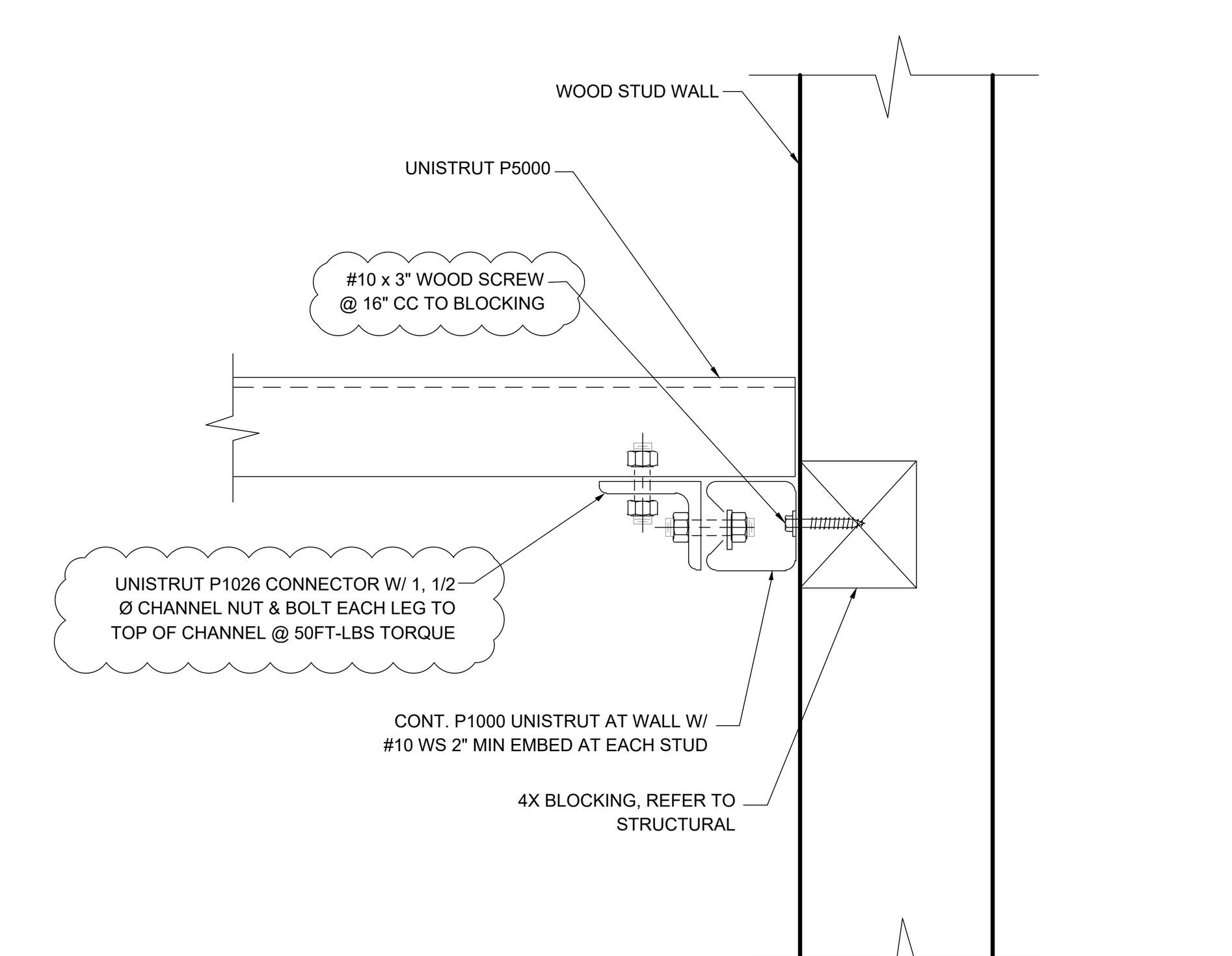


DETAIL 1

DETAIL 2

G UNISTRUT CONNECTION DETAIL

NTS



H HOOD BRACING AT WALL DETAIL

NTS

SPARE

I

SPARE

J

SPARE

K

SPARE

E

AGENCY APPROVAL:

Sacramento City
UNIFIED SCHOOL DISTRICT

HMC Architects
3186-070-000

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

ISSUE

Δ DESCRIPTION DATE

AMD
FOODSERVICE DESIGN

FACILITY:
MATSUYAMA ELEMENTARY SCHOOL
7680 WINDBRIDGE DR.
SACRMANETO, CA 95831

PROJECT:
MATSUYAMA ELEMENTARY SCHOOL MODERNIZATION

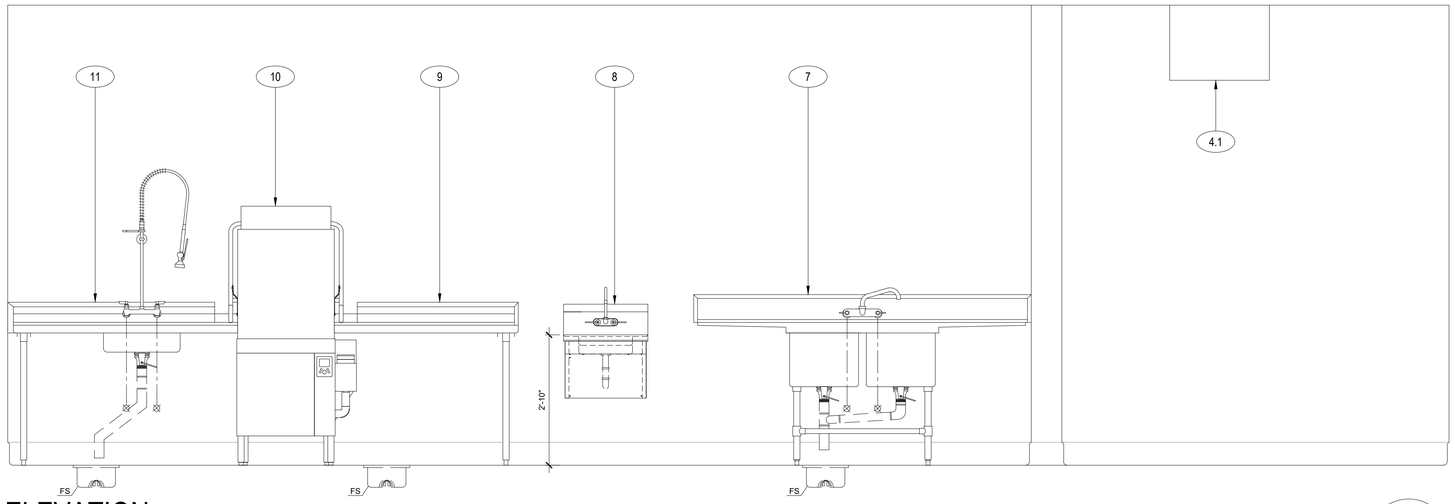
SHEET NAME: **FOODSERVICE EQUIPMENT ANCHORAGE DETAILS**

CONSTRUCTION DOCUMENTS

DATE: **01/04/2024** CLIENT PROJ NO: **3186-070-000**

SHEET:
FS8.3

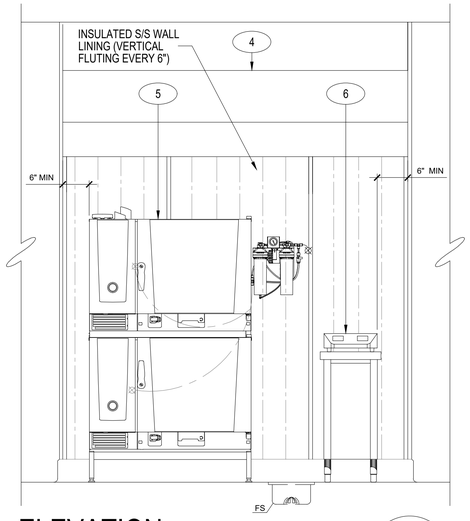
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



ELEVATION

SCALE : 3/4"=1'-0"

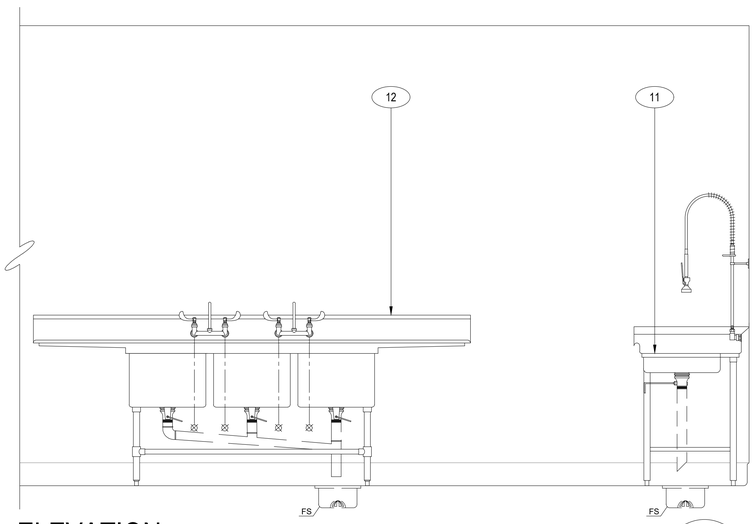
A FS9.1



ELEVATION

SCALE : 3/4"=1'-0"

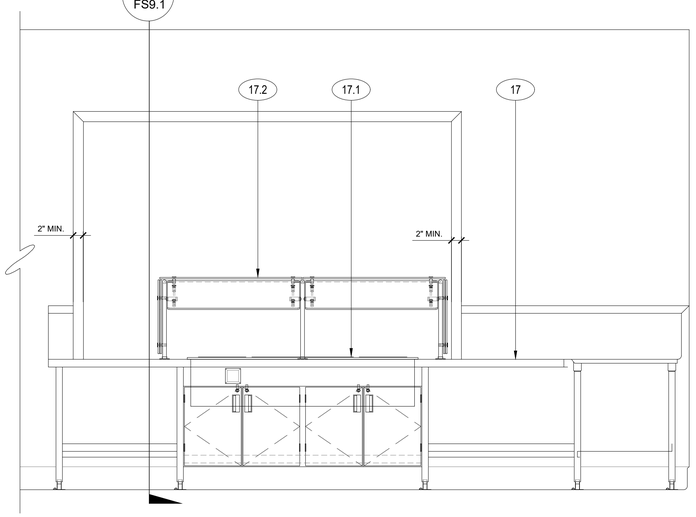
B FS9.1



ELEVATION

SCALE : 3/4"=1'-0"

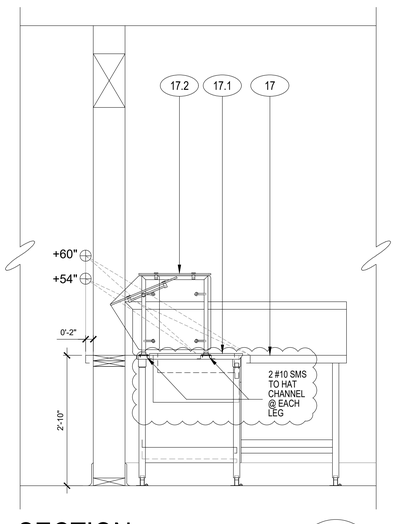
C FS9.1



ELEVATION

SCALE : 3/4"=1'-0"

D FS9.1



SECTION

SCALE : 3/4"=1'-0"

E FS9.1

ITEM NO	EQUIPMENT CATEGORY
4	EXHAUST HOOD, TYPE 1, LOW PROFILE
4.1	FIRE SUPRESSION SYSTEM CABINET
5	OVEN-STEAMER, COMBINATION, ELECTRIC
6	INDUCTION RANGE, COUNTERTOP,W/ STAND
7	PREP SINK, 2 COMPARTMENTS
8	SINK, HAND, WALL MOUNT
9	DISHTABLE, STRAIGHT
10	WAREWASHER, DOOR TYPE, HIGH TEMP
11	SOILED DISHTABLE, W/ SCRAP SINK
12	SINK, SCULLERY, 3 COMPARTMENTS
17	SERVING COUNTER
17.1	DROP IN HOT WELLS, DRY
17.2	SNEEZE GUARD

NOTE

FOR FOODSERVICE EQUIPMENT SCHEDULE AND PLAN SEE SHEET FS1.1

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