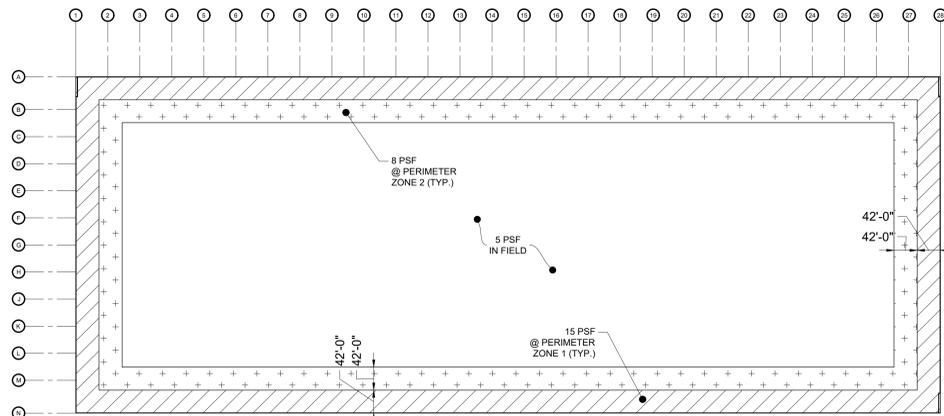


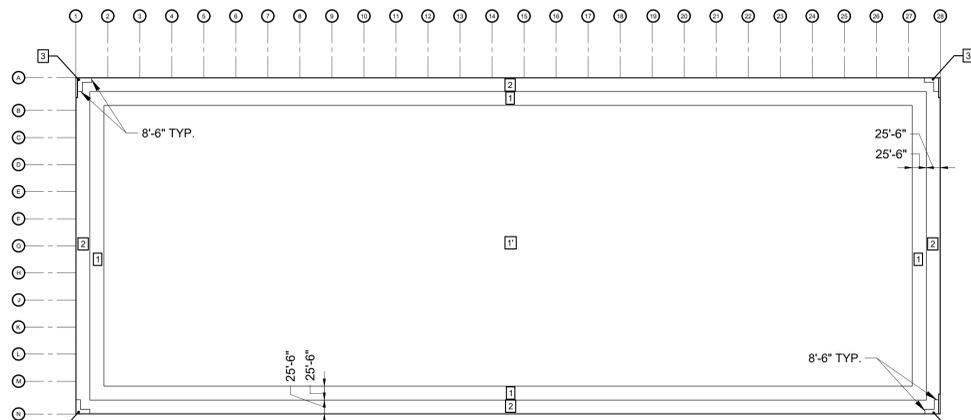
SUBMITTALS

NO.	DATE	DESCRIPTION
11-29-23	75% PROGRESS SET	
12-22-23	90% PROGRESS SET	
01-26-24	95% PROGRESS SET	
02-09-24	PERMIT SET	



UPLIFT DIAGRAM ON JOIST GIRDER - MWFRS
 SCALE: NONE

NOTE:
 1. LOADS INDICATED REPRESENT NET MWFRS SERVICE UPLIFT VALUES.

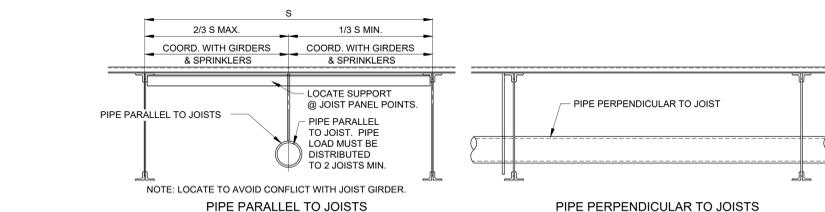


UPLIFT DIAGRAM ON JOISTS - C&C
 SCALE: NONE

NOTE:
 1. LOADS INDICATED IN TABLE REPRESENT NET COMPONENTS & CLADDING SERVICE UPLIFT VALUES. VARY WITH ZONE (SEE UPLIFT DIAGRAM ON JOISTS - C&C).
 1.1. USE PRESSURE VALUE BELOW OBTAINED UTILIZING ALLOWABLE EFFECTIVE AREA AS DEFINED BY ASCE 7 CHAPTER 30 FOR JOIST UPLIFT.

COMPONENTS & CLADDING NET UPLIFT

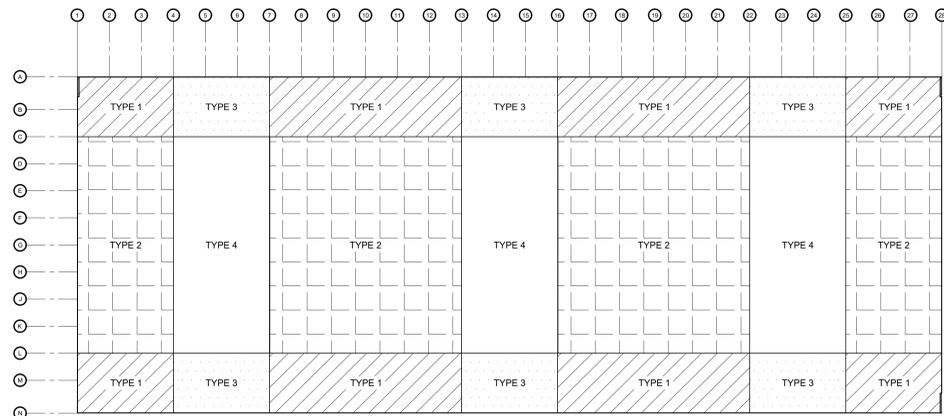
ROOF ZONE \ AREA	10 sf	20 sf	50 sf	100 sf	200 sf	350 sf	500 sf	1000 sf	1500 sf
NEGATIVE ZONE 1	-30.0	-27.8	-24.8	-22.6	-20.3	-18.5	-17.4	-17.4	-17.4
NEGATIVE ZONE 1*	-15.6	-15.6	-15.6	-15.6	-12.8	-10.6	-9.2	-6.5	-6.5
NEGATIVE ZONE 2	-40.9	-38.0	-34.2	-31.3	-28.4	-26.1	-24.6	-24.6	-24.6
NEGATIVE ZONE 3	-57.2	-51.4	-43.8	-38.0	-32.2	-27.6	-24.6	-24.6	-24.6



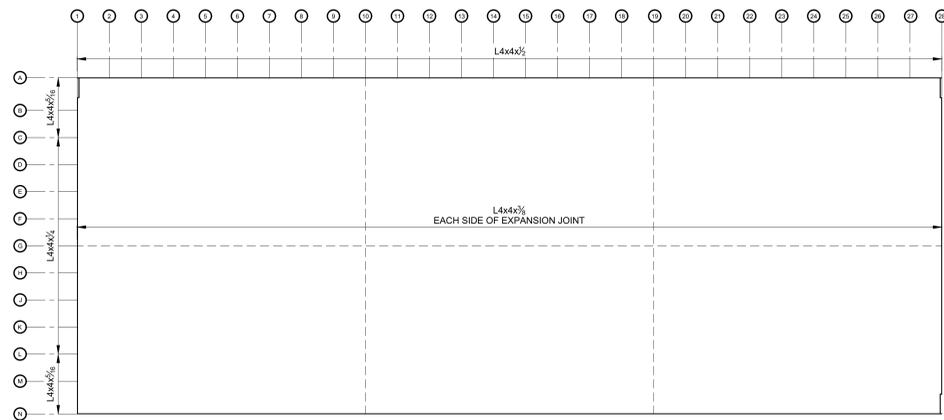
SPRINKLER MAIN SUPPORT DETAIL
 SCALE: NO SCALE

NOTES:
 - WHEN PARALLEL TO JOISTS 4" AND SMALLER PIPE MAY HANG FROM SINGLE JOIST, BUT MUST SPREAD OUT SO THAT THE SAME JOIST IS NOT AFFECTED BY MORE THAN ONE PIPE.
 - WHEN PARALLEL TO JOISTS 6" PIPES SHOULD BE LOCATED AS SHOWN IN SPACE BETWEEN JOISTS AND SPREAD OUT SO THAT THE SAME JOIST IS NOT AFFECTED BY MORE THAN ONE PIPE. EXCEPTION: IF PIPE LOCATIONS ARE PROVIDED DURING DESIGN LOADS CAN BE MODIFIED TO ACCOUNT FOR PIPES.
 - PIPES GANGED TOGETHER MUST BE REVIEWED BY EOR FOR SPECIFIC LOADS PRIOR TO JOIST FABRICATION.
 - DO NOT SPACE HANGERS MORE THAN 15' APART.
 - WHEN PERPENDICULAR, PIPES LARGER THAN 6"Ø SHALL BE REVIEWED BY EOR FOR SPECIFIC LOADS PRIOR TO JOIST FABRICATION.
 - DO NOT HANG WITH A BEAM CLAMP FROM BOTTOM CHORD OF JOIST OR GIRDER. BOTTOM CHORD HANGERS MUST BE CONCENTRIC, IF USED.
 - HANGERS SHALL BE LOCATED WITHIN 3" OF PANEL POINTS OR JOIST SHALL BE REINFORCED PER TYP. REIN. AT POINT LOADS DETAIL.
 - DO NOT SUPPORT MAINS FROM JOISTS THAT ALSO SUPPORT MECHANICAL EQUIPMENT WITHOUT E.O.R. REVIEW.

DETAIL BOOK REF. S2.26 8/24/2023

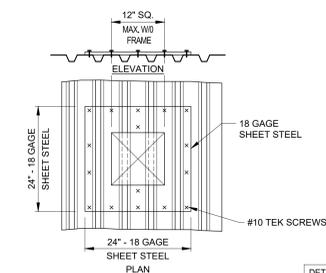


ROOF DECK ATTACHMENT LAYOUT PLAN
 SCALE: NONE



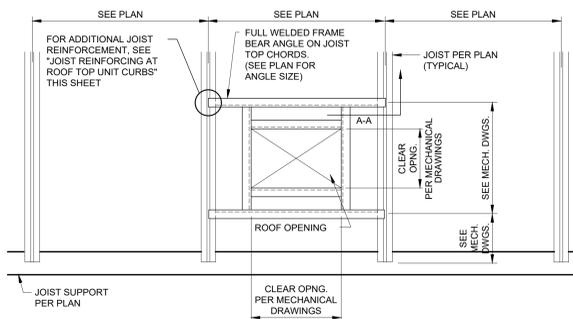
DECK CHORD ANGLE ATTACHMENT PLAN
 SCALE: NONE

NOTE:
 1) ALL CHORD ANGLES TO HAVE YIELD STRENGTH OF 50 KSI MIN.



ROOF DECK OPENING ≤ 12"
 SCALE: NO SCALE

NOTE: WHERE DECK OPENINGS ARE GREATER THAN 12" ON ANY SIDE PROVIDE L 4x4x1/4" FRAME @ EXHAUST FANS.



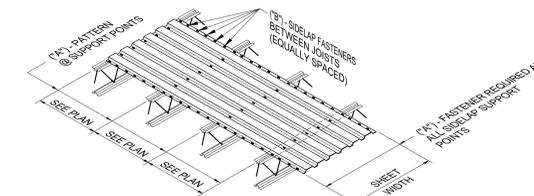
TYPICAL ROOF OPENING
 SCALE: NO SCALE

NOTE: THE UNIT IS SUPPORTED BY THE UNIT CURB WHICH MUST BE DESIGNED TO SPAN TO SUPPORTING MEMBERS.

DETAIL BOOK REF. S2.23-N 1/27/2023

WELDED ROOF DECK ATTACHMENT FASTENER SCHEDULE

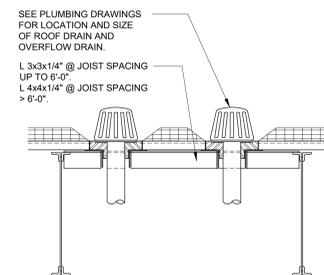
TYPE #	FASTENERS "A" 5/8"Ø PUDDLE WELDS	FASTENERS "B" #10 TEK SCREWS
TYPE 1	36/9	4
TYPE 2	36/7	5
TYPE 3	36/7	3
TYPE 4	36/7	2



TYPICAL ROOF DECK ATTACHMENT
 SCALE: NONE

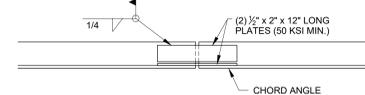
NOTES:
 1) ROOF DECK PER PLAN MIN. THREE SPAN CONDITION.
 2) FASTEN THROUGH MULTIPLE SHEETS AT ALL END AND SIDE LAPS.
 3) END LAPS SHALL OCCUR ONLY AT SUPPORT POINTS.

DETAIL BOOK REF. S2.19 1/27/2023



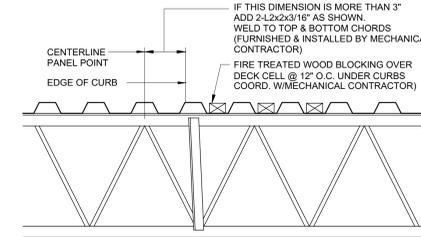
TYPICAL ROOF DRAIN SUPPORT
 SCALE: NONE

DETAIL BOOK REF. S2.27 1/27/2023



TYPICAL DIAPHRAGM CHORD SPLICE
 SCALE: NONE

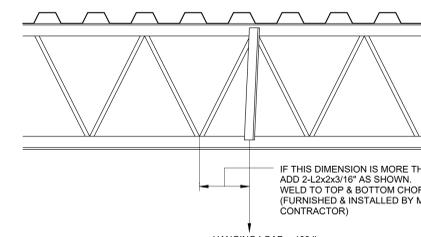
DETAIL BOOK REF. S2.18 1/27/2023



JOIST REINFORCEMENT AT ROOF TOP UNIT CURBS
 SCALE: NONE

NOTE: DO NOT ADD EQUIPMENT TO JOISTS SUPPORTING SPRINKLER MAINS W/O E.O.R. APPROVAL.

DETAIL BOOK REF. S2.23-N 1/27/2023



JOIST REINFORCEMENT AT HANGING LOADS
 SCALE: NONE

NOTE: DO NOT ADD EQUIPMENT TO JOISTS SUPPORTING SPRINKLER MAINS W/O E.O.R. APPROVAL.

DETAIL BOOK REF. S2.24 1/27/2023