



- ① = (1) 2" DIA HOLE; PIPE PENETRATION THROUGH MIDDLE 1/3 OF BM
- ② = (1) 1" DIA AND (1) 1 1/4" DIA HOLE; PIPE PENETRATIONS TO BE SIDE BY SIDE THROUGH MIDDLE 1/3 OF HSS TUBE
- ③ = (1) 2 1/2" DIA HOLE; PIPE PENETRATIONS THROUGH MIDDLE 1/3 OF BM
- = SEE 4/ST.1
- ↔ = METAL DECK SPAN DIRECTION

BOT OF ALL W'S AT OVERHANG TO BE 9'-1" AFF, TYP UNON

**TIE ROD NOTE**  
 C = 1/2" AT CORNER OR PROVIDE SHORTER ROD TO ACCOMMODATE FOR NATURAL DEFLECTION AT CORNER PER MFR REC. THIS CONDITION OCCURS AT GRID LINES 13 & C

- GENERAL NOTES**
- ALL LOADS GIVEN ARE ASD.
  - SPECIAL LOADS TAKEN INTO ACCOUNT IN KCS JOIST SELECTION.
  - ALL JOISTS TO BE SPACED EQUALLY & NOT TO EXCEED 5'-0" OC MAX SPACING UNLESS OTHERWISE DIMENSIONED IN PLAN.
  - SEE SECTIONS 1 DETAILS AS REQD FOR ADDED JOIST BRACING & ASSOCIATED LOADINGS.
  - POSITION ALL RTU'S ON SPECIAL JOISTS AS SHOWN. BTWN BRIDGING & BRACING FOR REQD CLEARANCES.
  - A MIN OF A SINGLE LINE OF BOT CHORD BRIDGING MUST BE PROVIDED NEAR THE FIRST BOT PANEL POINTS AT EACH END OF THE JOIST. TYP UP/LIFT BRIDGING.
  - SEE 9/56 FOR FURTHER INFORMATION ON TYPICAL JOIST X-BRACING REQUIREMENTS.
  - JOIST SUPPLIER TO PROVIDE MIN STD BRIDGING & BRACING PER SJI.
  - COLD-FORMED STEEL TRUSSES AND CONNECTIONS TO BE DESIGNED BY SPECIALTY ENGINEER. SPECIALTY ENGINEER TO PROVIDE SHOP DRAWINGS AND CALCULATIONS SIGNED & SEALED BY A PROFESSIONAL ENGINEER LICENSED IN FLORIDA.
  - SYMBOLS & ABBREVIATIONS**
- BRACE MEMBER "UP"
- BRACE MEMBER "DOWN"
- MOMENT CONNECTION
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- C = CHAMBER
- "A" = HSS3.0X2.5X0.18 LAD PLAT WELDED AT TOP OF W-BM BTWN JOISTS
- "HP" = HPSF PLATE THROUGH COL IN DIRECTION SHOWN. SLOTTED HOLES NOT PERMITTED AT SPECIFIED LOCATIONS. PROVIDE 1/2" MIN EDGE DIST FOR BOLT HOLES ALL SIDES OF PLATE.
- "TX-X" = TOP OF STEEL ELEVATION

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

**METAL DECK ATTACHMENT SCHEDULE - 175 MPH DESIGN WIND SPEED**

PLAN AREA	SUPPORT FASTENER (OPTION 1)		SUPPORT FASTENER (OPTION 2)		SIDELAP FASTENER SPACING (OPTION 1)	SIDELAP FASTENER SPACING (OPTION 2)
	ATTACHMENT PATTERN	FASTENER TYPE	ATTACHMENT PATTERN	FASTENER TYPE		
AREA "A"	367	SIP PUDDLE WELDS	367	HILTIX-HSN 24 POWDER DRIVEN FASTENER	4" O.C.	9" O.C.
AREA "B"	365	SIP PUDDLE WELDS	365	HILTIX-HSN 24 POWDER DRIVEN FASTENER	4" O.C.	9" O.C.
AREA "C"	363	SIP PUDDLE WELDS	363	HILTIX-HSN 24 POWDER DRIVEN FASTENER	24" O.C.	24" O.C.
AREA "D"	364	SIP PUDDLE WELDS	363	HILTIX-HSN 24 POWDER DRIVEN FASTENER	24" O.C.	24" O.C.

**SIDELAP FASTENER OPTIONS**  
 OPTION 1: #10 DRILL SCREW  
 OPTION 2: HILTIX S-SLO D1 M HSN SIDELAP CONNECTOR

**METAL DECK THICKNESS**  
 ZONER S-A-B-30-GAGE  
 ZONES C & D: 20-GAGE

**MAXIMUM RTU LOAD TABLE (KIP) (175 MPH)**

MARK	UPLIFT	DOWNGRAB
RTU-1	1.7	2.4
RTU-2	1.7	2.4
RTU-3	1.7	2.4
CU HOUSE	1.7	2.8

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR W/ EQUIPMENT SUPPLIER PRIOR TO FABRICATION OF STL. DIMENSIONS PROVIDED ARE BASED ON COOK GRAVITY VENTS & LENNOX RTU'S SHOWN ON DRAWING M2

