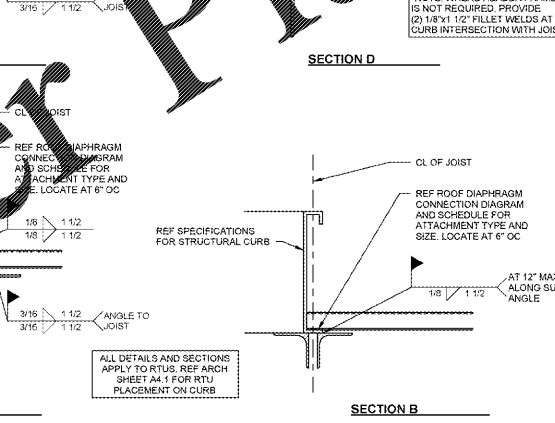
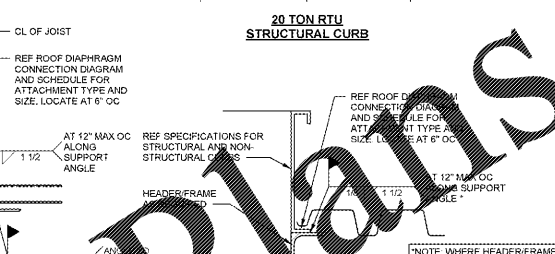
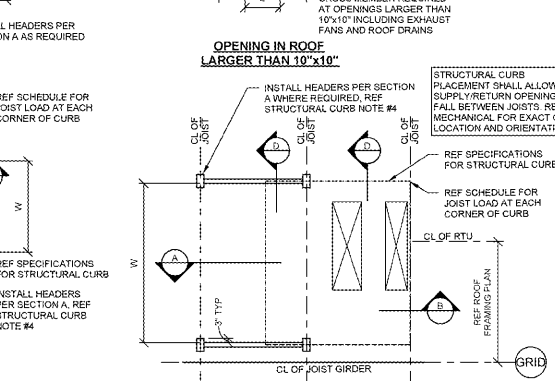
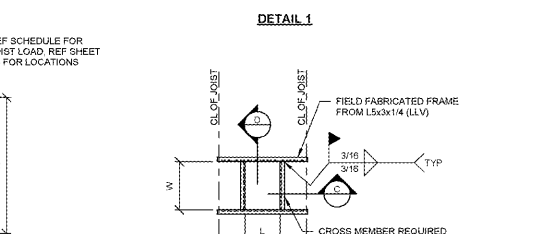
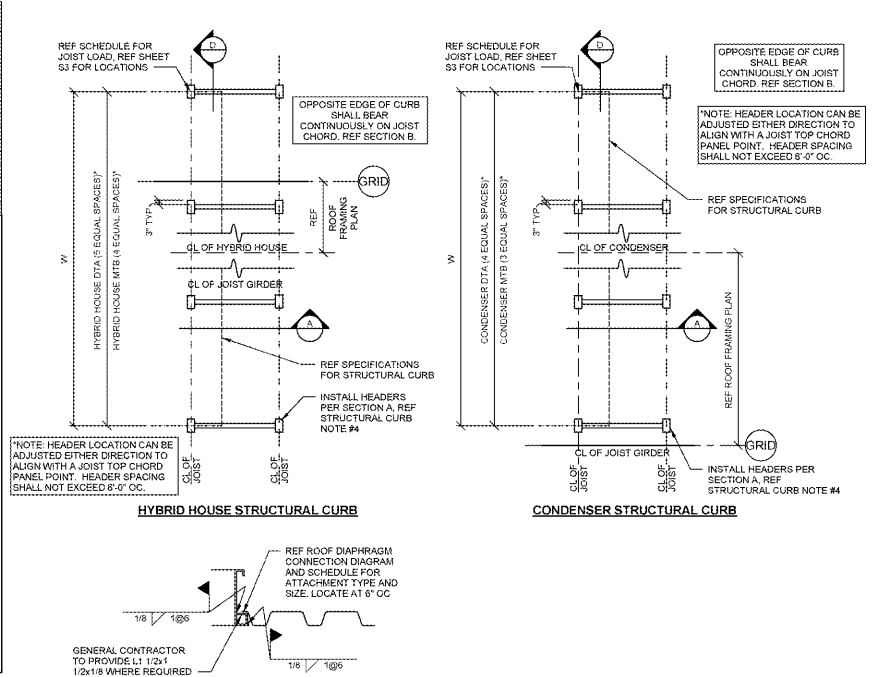


STRUCTURAL CURBS		
UNIT SIZE	CURB WIDTH (W)	JOIST LOAD
3-5 TON (UNO)	6" - 2"	400 LBS
RTU19	3" - 11"	400 LBS
3 TON DH	6" - 17"	400 LBS
10 TON (UNO)	6" - 17"	600 LBS
RTU2	4" - 6"	600 LBS
10 TON DH	7" - 4"	600 LBS
20 TON	6" - 7"	1100 LBS
AHU	7" - 6"	1900 LBS
HYBRID HOUSE DTA	27" - 6"	2800 LBS
HYBRID HOUSE MTS	21" - 3"	3500 LBS
CONDENSER DTA	18" - 4"	900 LBS
CONDENSER MTS	13" - 10"	1000 LBS

- NOTES:
1. INSTALL STRUCTURAL CURBS, HEADERS, AND FRAMES AND WELD TO SUPPORT STEEL BEFORE DECK IS PLACED.
 2. ADJUST LOCATION OF RTU SO CURB FALLS WITHIN 3 INCHES OF JOIST PANEL POINTS. IF CURB IS MORE THAN 3 INCHES FROM PANEL POINT ADD REINFORCING PER JOIST REINFORCING DETAIL (S-54.1)
 3. GENERAL CONTRACTOR SHALL COORDINATE RTU DIMENSIONS AND FRAMING LOCATIONS WITH THE STEEL FABRICATOR, MECHANICAL, AND ERECTION SUBCONTRACTORS.
 4. HEADERS ARE REQUIRED FOR STRUCTURAL CURBS WHEN THE CURB DOES NOT SPAN BETWEEN TWO JOIST OR THE CURB CANTILEVERS MORE THAN TWO FEET OVER THE JOIST. HEADERS ARE REQUIRED AS SHOWN FOR CONDENSERS AND HYBRID HOUSES.
 5. REF DETAIL 1 FOR CONNECTION OF DECK PARALLEL TO CURB, WHERE REQUIRED.
 6. DO NOT INSTALL STRUCTURAL CURBS ON TOP OF DECK.
 7. STEEL SUPPLIER TO FURNISH STOCK ANGLE FOR FIELD FABRICATED FRAMES.
 8. REF SPEC SECTION 0721 AND MECHANICAL ROOFTOP HVAC UNIT SCHEDULES FOR RTU ANCHORAGE.
 9. CURB WIDTHS SHOWN IN THE STRUCTURAL CURB SCHEDULE ARE FOR ROOF FRAMING DESIGN PURPOSES ONLY AND SHALL NOT BE USED FOR STRUCTURAL CURB FABRICATION.



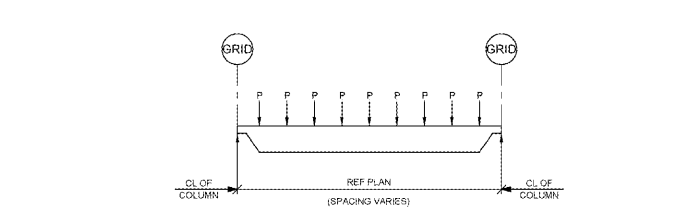
BOLT SCHEDULE		
SECTION	BOLTS PER MEMBER	PLATE LENGTH
W8	2	5 1/2"
W10	2	5 1/2"
W12	3	9 1/2"
W14	3	8 1/2"
W16	4	11 1/2"
W18	5	1'-2 1/2"
W21	6	1'-5 1/2"
W24	7	1'-8 1/2"



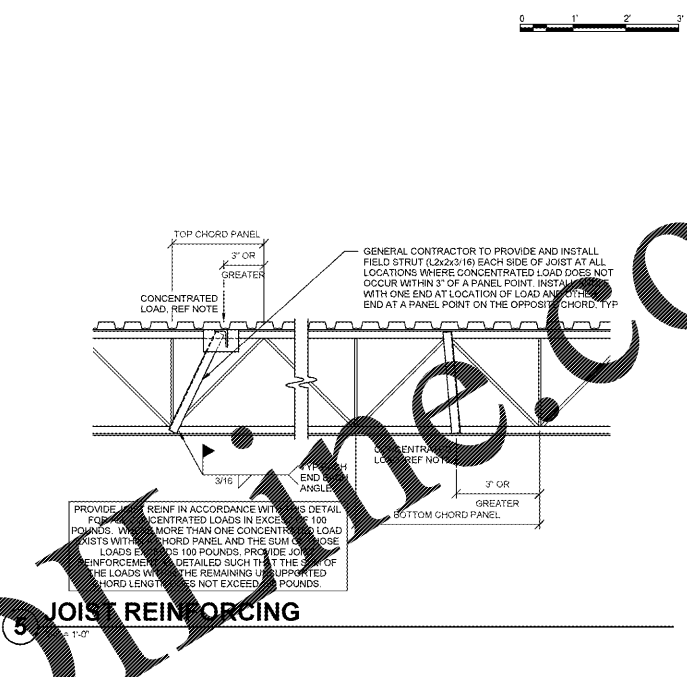
4 BOLT SCHEDULE

JOIST GIRDER SCHEDULE														
MARK	DEPTH	GRID	PANEL POINT LOADS (DEAD LOAD + ROOF LIVE/SNOW LOAD) (KIPS)										GRID	NOTES
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10		
J01	32"	2	6.8	6.8	6.6	6.3	6.3	6.0	0.0	0.0	0.0	1	1,2,3,4	
J02	48"	3,4	5.6	5.6	5.6	5.4	5.2	5.2	5.2	5.2	0.0	1	1,2,3,4,5	
J03	32"	2	11.5	11.5	11.1	10.7	10.7	10.2	0.0	0.0	0.0	1	1,2,3,4	
J04	32"	3	19.0	19.0	19.0	11.6	11.5	11.5	0.0	0.0	0.0	2	1,2,3,4	
J05	48"	4	10.2	10.2	10.2	10.2	11.0	11.6	17.2	17.2	0.0	4	1,2,3,4	
J06	48"	5	12.0	12.0	12.0	12.0	12.0	12.0	0.0	0.0	0.0	4	1,2,3,4	
J07	48"	6	10.4	10.7	10.7	10.7	10.7	10.7	0.0	0.0	0.0	5	1,2,3,4	
J08	32"	2	11.0	11.0	10.9	10.2	10.2	10.2	0.0	0.0	0.0	1	1,2,3,4	
J09	32"	3	26.5	26.5	26.5	12.5	12.5	12.5	0.0	0.0	0.0	2	1,2,3,4	
JG10	48"	4	9.6	9.6	9.6	10.5	11.0	25.9	25.9	25.9	0.0	3	1,2,3,4	
J011	48"	5	11.4	11.4	11.4	11.4	11.4	11.4	0.0	0.0	0.0	4	1,2,3,4	
J012	48"	6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	0.0	5	1,2,3,4	
JG13	32"	2	11.1	11.1	10.7	10.3	10.3	8.8	0.0	0.0	0.0	1	1,2,3,4	
J014	32"	3	10.5	10.5	10.5	10.1	10.1	10.1	0.0	0.0	0.0	2	1,2,3,4	
J015	32"	3,7	5.1	10.6	11.1	11.2	11.2	0.0	0.0	0.0	0.0	3	1,2,3,4	

- JOIST GIRDER NOTES
1. A ROOF LIVE LOAD INCLUDES BASE SNOW AND SNOW DRIFT LOAD WHERE APPLICABLE.
 2. LOADS DO NOT INCLUDE JOIST GIRDER SELF WEIGHT.
 3. JOIST GIRDERS SHALL HAVE 7/16" SEATS.
 4. LOADS INCLUDE POINT LOADS SHOWN ON FRAMING PLAN (e.g. RTUs, DRAIN LINES, SOFFITS, ETC).
 5. E. THE LIVE LOAD DEFLECTION LIMIT IS L/240 UNLESS NOTED OTHERWISE IN THE SCHEDULE.
 6. ALL LOADS SHOWN ON THESE DIAGRAMS AND ON OTHER DRAWINGS ARE DESIGN WORKING LOADS FOR WORKING STRESS DESIGN WITH THE APPROPRIATE BUILDING CODE LOAD FACTOR ALREADY APPLIED. NO INCREASE IN STRESS OR LOAD REDUCTION IS ALLOWED FOR WIND OR SEISMIC LOAD COMBINATIONS. ALL ADDITIONAL SPECIFIED AXIAL LOADS ARE TO BE ADDITIVE TO FULL GRAVITY AND FULL UPLIFT LOADS TO PRODUCE THE WORST CASE CONDITION.
 7. LIMIT JOIST GIRDER SEAT WIDTH TO A MAXIMUM OF 11 INCHES.
 8. JOIST GIRDER MANUFACTURER SHALL CONSIDER THE EFFECTS OF THE TWISTING FORCES ON A JOIST GIRDER INDUCED WHEN UNEQUAL LENGTH JOISTS BEAR ON OPPOSITE SIDES OF THE SAME JOIST GIRDER. ANY ADDITIONAL BOTTOM CHORD BRACING REQUIRED TO RESIST THE TORSIONAL FORCES MUST BE DESIGNED AND SPECIFIED ON THE JOIST GIRDER SUBMITTAL BY THE JOIST GIRDER MANUFACTURER.
 9. PANEL POINT LOADS NOTED IN THE SCHEDULE ARE THE REACTIONS AT THE JOIST BEARING LOCATIONS ONLY. REF S-56 FOR POINT LOADS AT BEAM LOCATIONS.
 10. JOIST GIRDERS AT PERIMETER WALLS SHALL BE LIMITED TO A LIVE LOAD DEFLECTION OF L/360 AND A TOP CHORD WIDTH OF 11 INCHES (UNO).

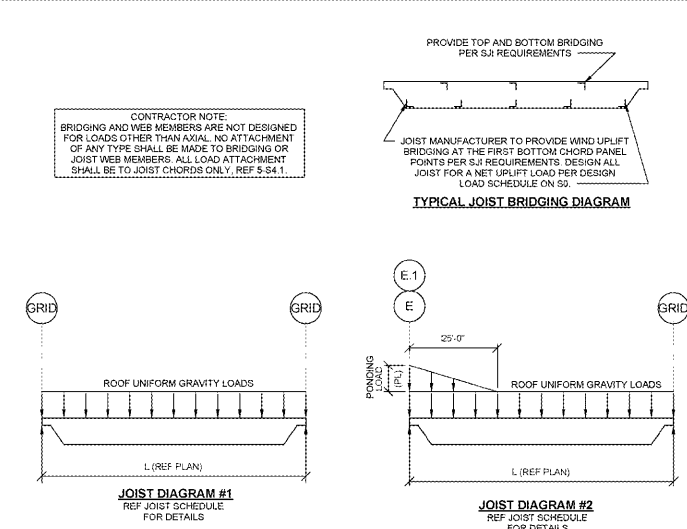
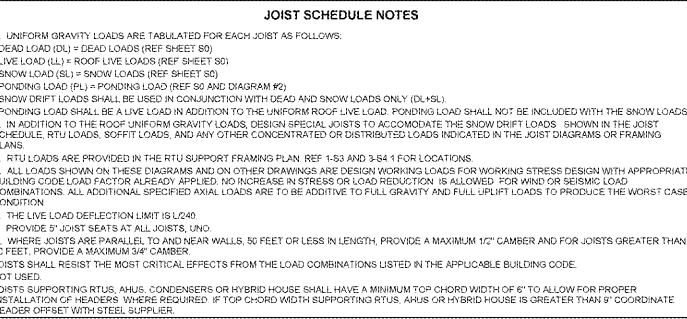


2 JOIST GIRDER SCHEDULE



JOIST SCHEDULE							
MARK	DEPTH	TYPE	UNIFORM GRAVITY LOADS (PLF)			DIAGRAM NUMBER	NOTES
			DEAD LOAD (DL)	LIVE LOAD (LL)	PONDING LOAD (PL)		
J1	30"	KSP	91	121	0	1	1,2,4
J2	30"	KSP	111	117	0	1	1,2,4
J3	30"	KSP	91	121	0	1	1,2,4
J4	30"	KSP	111	117	0	1	1,2,4
J5	30"	KSP	121	114	0	1,2	1,2,4
J6	28"	KSP	111	117	187	1,2	1,2,4
J7	14"	KSP	111	117	167	0	1,2, 1,3,4
J8	12"	KSP	88	117	0	0	1, 1,2,4

- JOIST SCHEDULE NOTES
1. UNIFORM GRAVITY LOADS ARE TABULATED FOR EACH JOIST AS FOLLOWS:
 - DEAD LOAD (DL) = DEAD LOADS (REF SHEET S0)
 - LIVE LOAD (LL) = ROOF LIVE LOADS (REF SHEET S0)
 - SNOW LOAD (SL) = SNOW LOADS (REF SHEET S0)
 - PONDING LOAD (PL) = PONDING LOAD (REF S0 AND DIAGRAM #2)
 - SNOW DRIFT LOADS SHALL BE USED IN CONJUNCTION WITH DEAD AND SNOW LOADS ONLY (S-15.1)
 - PONDING LOAD SHALL BE LIVE LOAD IN ADDITION TO THE UNIFORM ROOF LIVE LOAD. PONDING LOAD SHALL NOT BE INCLUDED WITH THE SNOW LOADS.
 2. IN ADDITION TO THE ROOF UNIFORM GRAVITY LOADS, DESIGN SPECIAL JOISTS TO ACCOMMODATE THE SNOW DRIFT LOADS SHOWN IN THE JOIST SCHEDULE, RTU LOADS, SOFFIT LOADS, AND ANY OTHER CONCENTRATED OR DISTRIBUTED LOADS INDICATED IN THE JOIST DIAGRAMS OR FRAMING PLANS.
 3. RTU LOADS ARE PROVIDED IN THE RTU SUPPORT FRAMING PLAN, REF S-53 AND S-54.1 FOR LOCATIONS.
 4. ALL LOADS SHOWN ON THESE DIAGRAMS AND ON OTHER DRAWINGS ARE DESIGN WORKING LOADS FOR WORKING STRESS DESIGN WITH APPROPRIATE BUILDING CODE LOAD FACTOR ALREADY APPLIED. NO INCREASE IN STRESS OR SEISMIC LOAD COMBINATIONS. ALL ADDITIONAL SPECIFIED AXIAL LOADS ARE TO BE ADDITIVE TO FULL GRAVITY AND FULL UPLIFT LOADS TO PRODUCE THE WORST CASE CONDITION.
 5. E. THE LIVE LOAD DEFLECTION LIMIT IS L/240.
 6. PROVIDE 5" JOIST SEATS AT ALL JOISTS, UNO.
 7. WHERE JOISTS ARE PARALLEL TO AND NEAR WALLS, 50 FEET OR LESS IN LENGTH, PROVIDE A MAXIMUM 1/2" CAMBER AND FOR JOISTS GREATER THAN 50 FEET, PROVIDE A MAXIMUM 3/4" CAMBER.
 8. JOISTS SHALL RESIST THE MOST CRITICAL EFFECTS FROM THE LOAD COMBINATIONS LISTED IN THE APPLICABLE BUILDING CODE.
 9. NOT USED.
 10. JOISTS SUPPORTING RTUs, AHUs, CONDENSERS OR HYBRID HOUSE SHALL HAVE A MINIMUM TOP CHORD WIDTH OF 6" TO ALLOW FOR PROPER INSTALLATION OF HEADERS WHERE REQUIRED. IF TOP CHORD WIDTH SUPPORTING RTUs, AHUs OR HYBRID HOUSE IS GREATER THAN 6" COORDINATE HEADER OFFSET WITH STEEL SUPPLIER.



1 JOIST SCHEDULE AND DIAGRAMS

Order Plans

3 RTU FRAMING SUPPORT PLAN

WALMART
APOPKA, FL

Walmart Neighborhood Market
APOPKA, FL

Walmart Neighborhood Market
APOPKA, FL

ISSUE BLOCK

CHECKED BY: BCR
DRAWN BY: MAV
PROTO CYCLE: 10218
DOCUMENT DATE: 01/09/17
S&B PROJECT #: 56020894

BID SET FOR CONSTRUCTION

ROOF FRAMING SCHEDULES AND DETAILS

SHEET: S4.1