

SHOPS AT JORDAN CROSSING

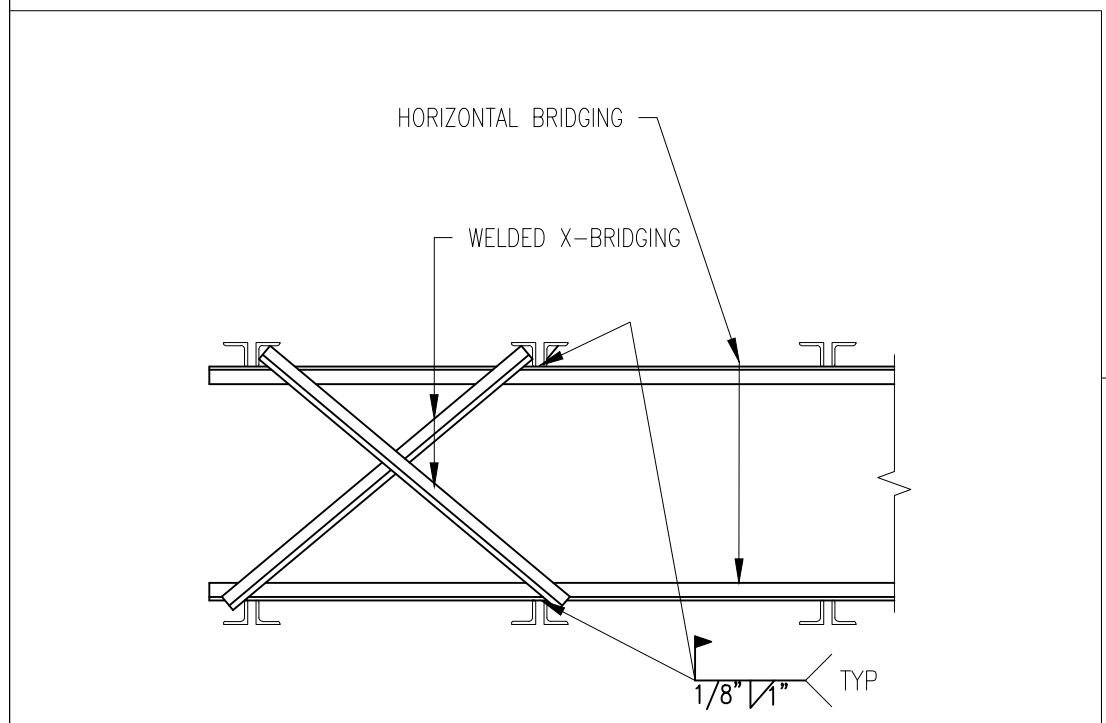
RETAIL SHELL BUILDING A

29910 JORDAN CROSSING BLVD.
BROOKSHIRE, TX 77423 [FORT BEND COUNTY]



DRAWING INDEX	
SHEET #	DESCRIPTION
JE1.01	GENERAL NOTES & TYPICAL DETAILS
JE3.01	ROOF JOIST FRAMING PLAN
JE4.01	JOIST SECTIONS

AVAILABLE CONTRACT DRAWINGS	
DATE	DESCRIPTION
11/10/2023	S1, S1.1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11

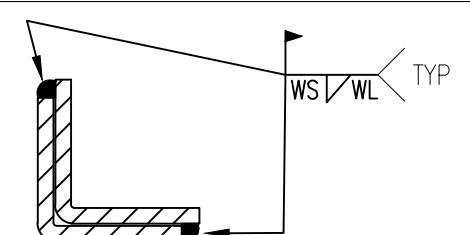


CUT BRIDGING LENGTHS TO FIT AT END OF RUNS. WHEN REQUIRED INSTALL ALL DROPS, OBTAINED FROM CUTTING WITHIN SUBSEQUENT BRIDGING RUNS TO AVOID ANY POTENTIAL SHORTAGES OF BRIDGING MATERIAL. REFERENCE "TYPICAL CONNECTION DETAIL FOR: HORIZONTAL BRIDGING AT LAPS", FOR FURTHER INSTALLATION REQUIREMENTS.

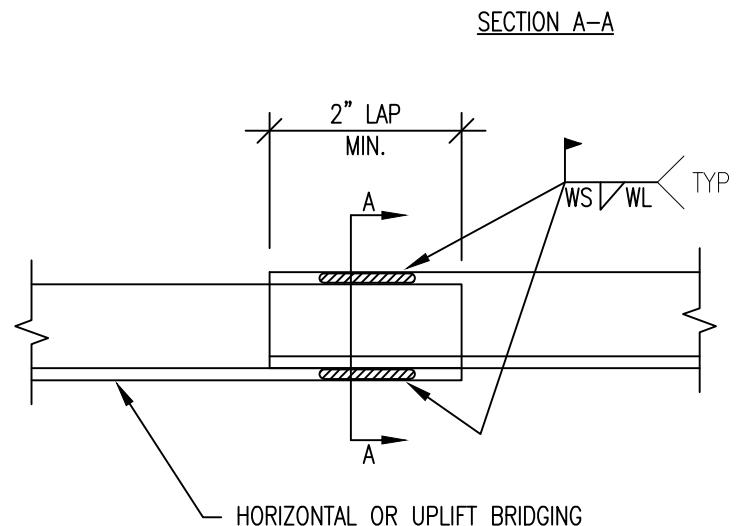
TYPICAL INSTALLATION DETAIL FOR:
HORIZONTAL BRIDGING @ ROOF

REFERENCE: NOT PROVIDED

	WS	WL
K & LH	8"	1"
DLH	?	?

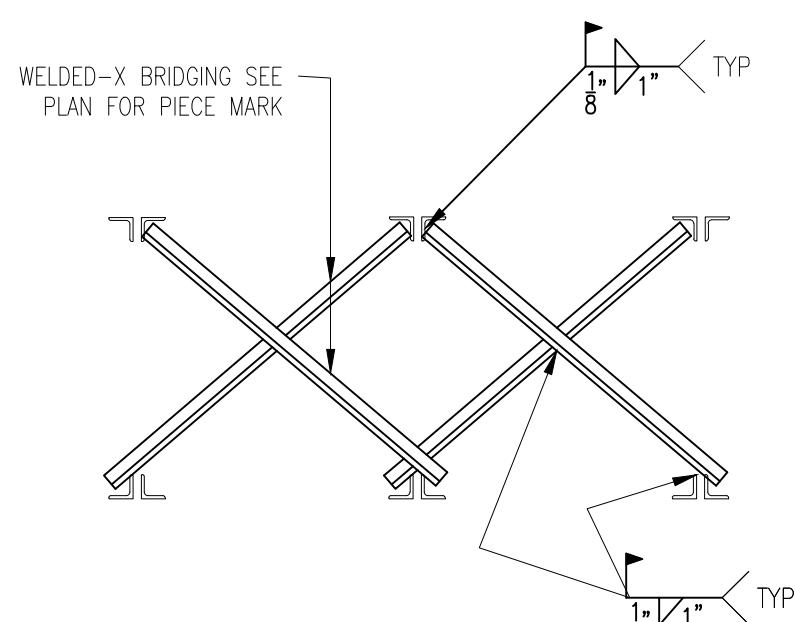


SECTION A-A



TYPICAL INSTALLATION DETAIL FOR:
CONTINUOUS HORIZONTAL BRIDGING
(LAP DETAIL)

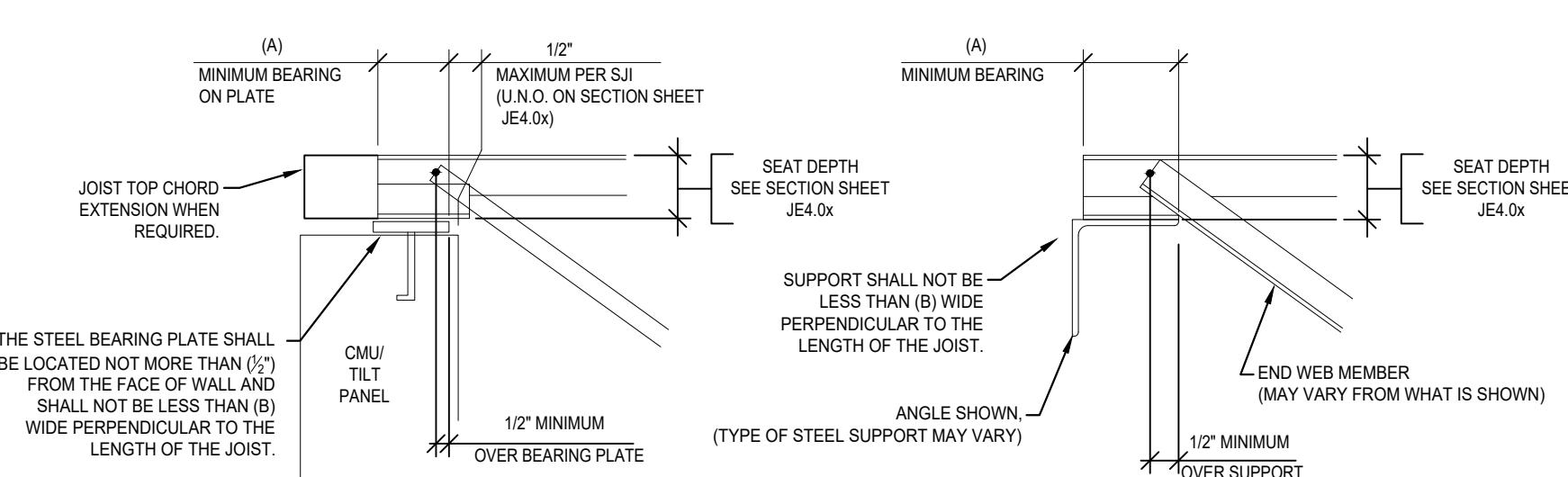
REFERENCE: NOT PROVIDED



TYPICAL INSTALLATION DETAIL FOR:
WELDED DIAGONAL BRIDGING

REFERENCE: NOT PROVIDED

KEY NOTE	K-SERIES & LH SERIES 02-06	LH SERIES 07-17	DH-SERIES 18-25	CJ SERIES SEAT DEPTH ≥ 5"	JOIST GIRDERS
(A)	2"	4"	6"	4"	4"
(B)	6"	9"	13"	9"	9"



SEE THE PROJECT SPECIFIC SECTIONS WITHIN THIS SET FOR EXACT JOIST PLACEMENT. THIS SECTION CONVEYS THAT SJI MINIMUM BEARING LENGTHS AND TYPICAL WIDTH ALLOWANCES SHALL BE RESPECTED UNLESS SPECIFICALLY COORDINATED OTHERWISE WITH JOIST SUPPLIER.

SOMETIMES THE DESIGN FOR THE JOIST BEARING SEAT MAY REQUIRE WIDER SEAT MATERIAL THAN THE MINIMUM BEARING SUPPORT WIDTH SPECIFIED ON THIS DETAIL. THEREFORE, IT IS RECOMMENDED THAT YOU CONSULT THE JOIST SUPPLIER PRIOR TO FABRICATION OR INSTALLATION OF JOIST BEARING SUPPORTS TO CONFIRM BEARING WIDTH REQUIREMENTS.

ERECTOR NOTE:
JOIST SEATS FACRICATED TO ALLOW FOR BOLTED ANCHORAGE ALSO REQUIRE A FINAL WELDED CONNECTION, BUT THE BOLTS SHALL BE INSTALLED IF BOLTS ARE NOT INSTALLED, AND IF PERMITTED BY THE EOR, THEN THE INNER EDGE OF THE SEAT SLOTS MUST BE WELDED, AS SHOWN. ADDITIONAL WELD AS REQUIRED TO MEET THE TOTAL SPECIFIED SHALL BE PLACED AT A LOCATION ON THE EDGE OF THE SEAT AWAY FROM THE OUTER EDGE OF THE SLOT.

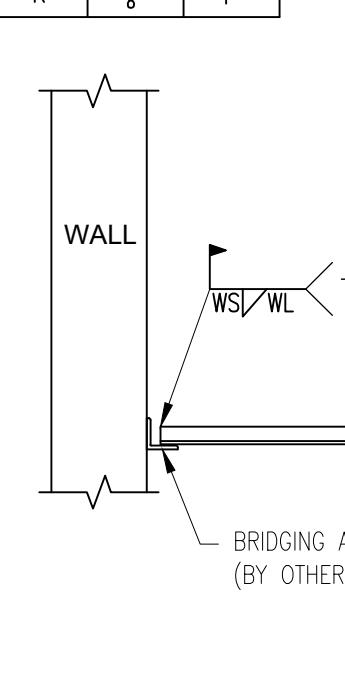
BOLTED JOIST CONNECTION DETAIL

FOR NOMINAL CONCENTRATED LOADS BETWEEN PANEL POINTS, WHICH HAVE BEEN ACCOUNTED FOR IN THE SPECIFIED UNPUBLISHED LOADS, A STRUT TO TRANSFER THE LOAD TO A PANEL POINT IN THE OPPOSITE CHORD SHALL NOT BE REQUIRED, PROVIDED THE SUM OF THE CONCENTRATED LOADS WITHIN A CHORD PANEL DOES NOT EXCEED 100 POUNDS AND THE ATTACHMENTS ARE CONCENTRIC TO THE CHORD.

**TYPICAL INSTALLATION DETAIL FOR:
JOIST REINFORCEMENT AT CONCENTRATED LOADS**

REFERENCE: TYP. DETAIL/S11

WS	WL
K	8"

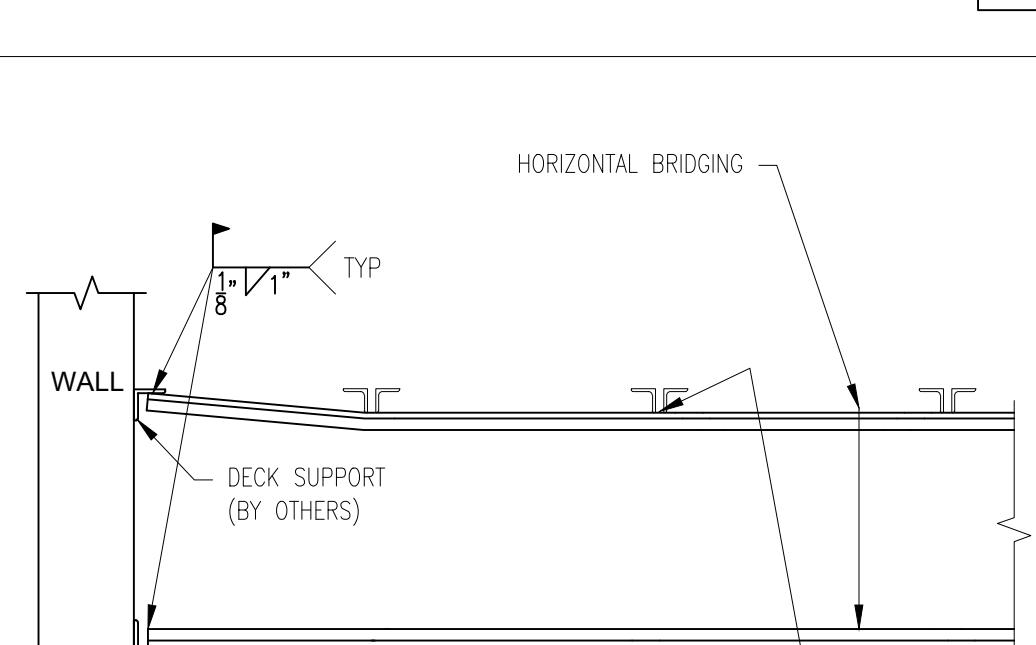
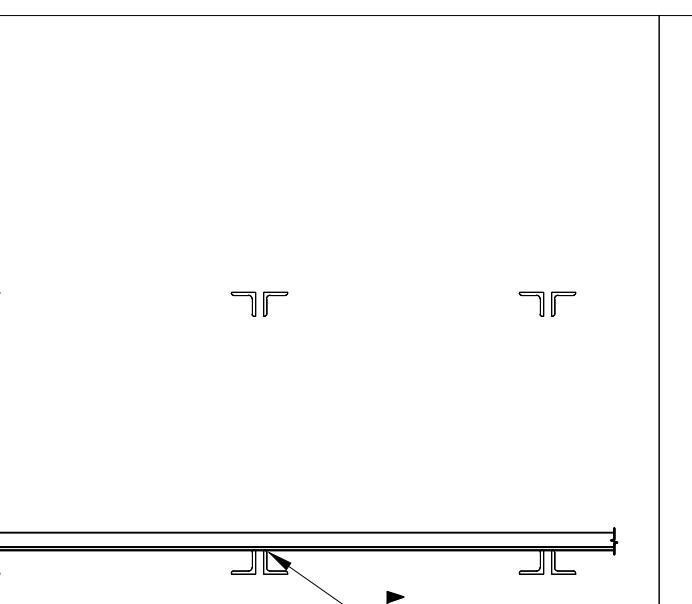
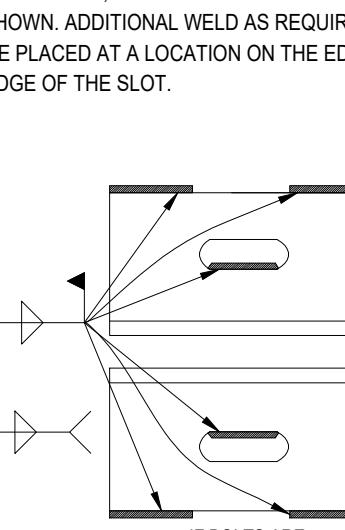


TYPICAL INSTALLATION DETAIL FOR:
UPLIFT BRIDGING

REFERENCE: NOT PROVIDED (AT ROOF ONLY)

REFERENCE: NOT PROVIDED

KEY NOTE	K-SERIES & LH SERIES 02-06	LH SERIES 07-17	DH-SERIES 18-25	CJ SERIES SEAT DEPTH ≥ 5"	JOIST GIRDERS
(A)	2"	4"	6"	4"	4"
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CUT BRIDGING LENGTHS TO FIT AT END OF RUNS. WHEN REQUIRED INSTALL ALL DROPS, OBTAINED FROM CUTTING WITHIN SUBSEQUENT BRIDGING RUNS TO AVOID ANY POTENTIAL SHORTAGES OF BRIDGING MATERIAL. REFERENCE "TYPICAL CONNECTION DETAIL FOR: HORIZONTAL BRIDGING AT LAPS", FOR FURTHER INSTALLATION REQUIREMENTS.

CUT BRIDGING LENGTHS TO FIT AT END OF RUNS. WHEN REQUIRED INSTALL ALL DROPS, OBTAINED FROM CUTTING WITHIN SUBSEQUENT BRIDGING RUNS TO AVOID ANY POTENTIAL SHORTAGES OF BRIDGING MATERIAL. REFERENCE "TYPICAL CONNECTION DETAIL FOR: HORIZONTAL BRIDGING AT LAPS", FOR FURTHER INSTALLATION REQUIREMENTS.

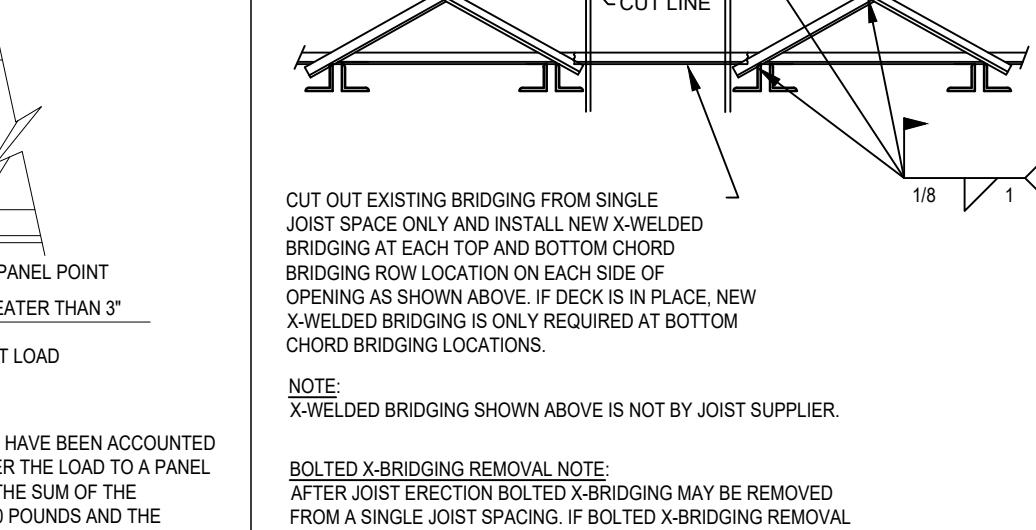
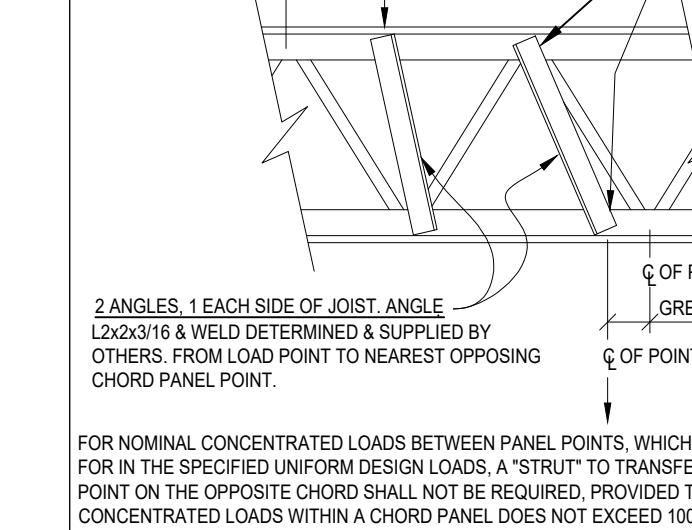


TYPICAL INSTALLATION DETAIL FOR:
HORIZONTAL BRIDGING @ ROOF

REFERENCE: NOT PROVIDED

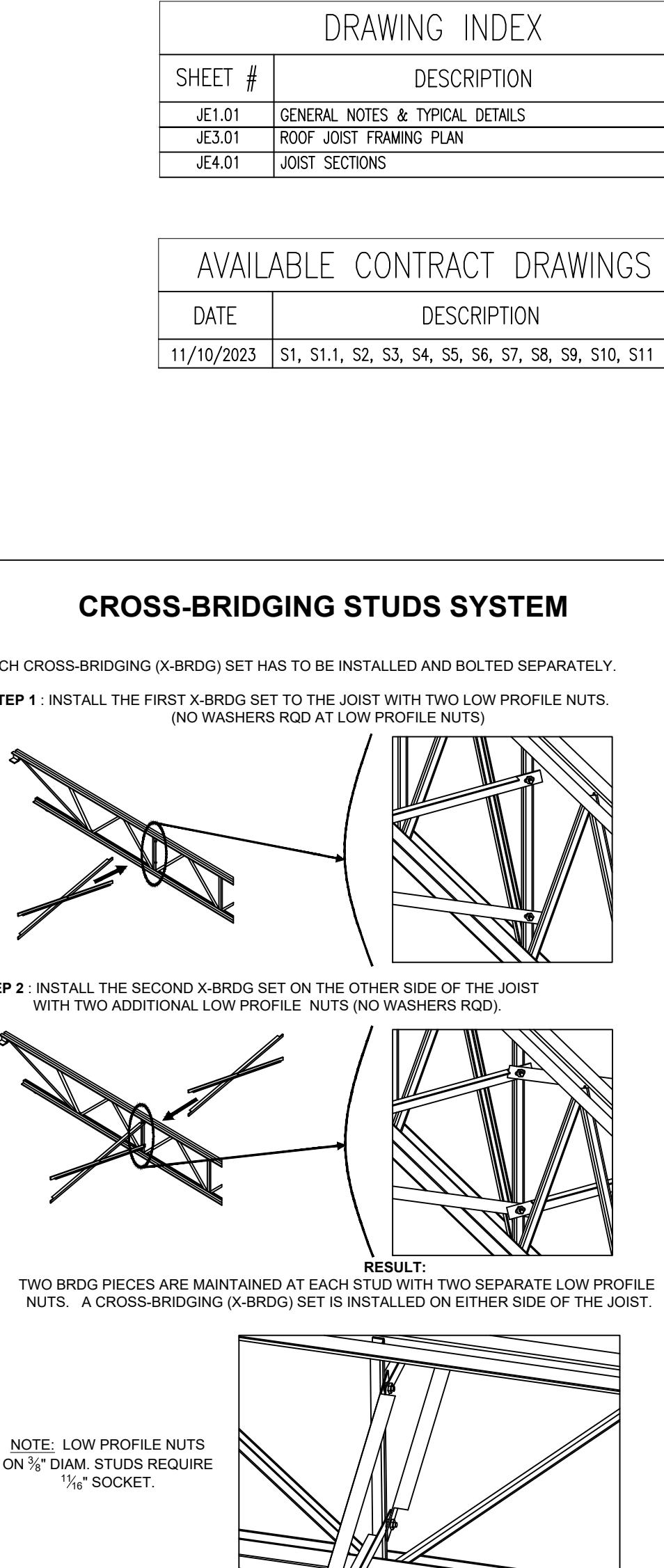
REFERENCE: NOT PROVIDED

KEY NOTE	K-SERIES & LH SERIES 02-06	LH SERIES 07-17	DH-SERIES 18-25	CJ SERIES SEAT DEPTH ≥ 5"	JOIST GIRDERS
(A)	2"	4"	6"	4"	4"
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**TYPICAL INSTALLATION DETAIL FOR:
JOIST REINFORCEMENT AT CONCENTRATED LOADS**

REFERENCE: TYP. DETAIL/S11



CROSS-BRIDGING STUDS SYSTEM

EACH CROSS-BRIDGING (X-BRDG) SET HAS TO BE INSTALLED AND BOLTED SEPARATELY.

STEP 1 : INSTALL THE FIRST X-BRDG SET TO THE JOIST WITH TWO LOW PROFILE NUTS.
(NO WASHERS RDQ AT LOW PROFILE NUTS)

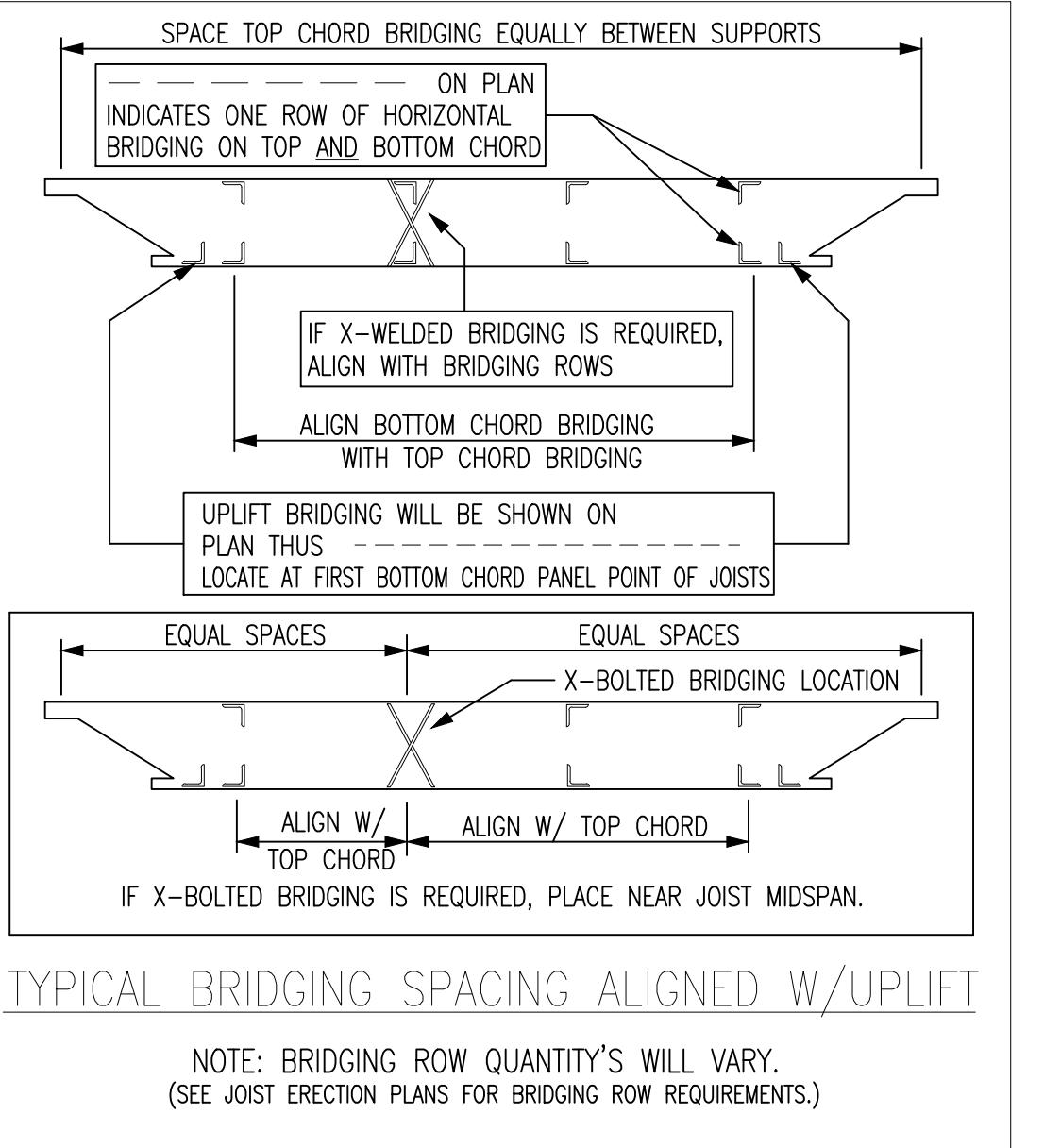
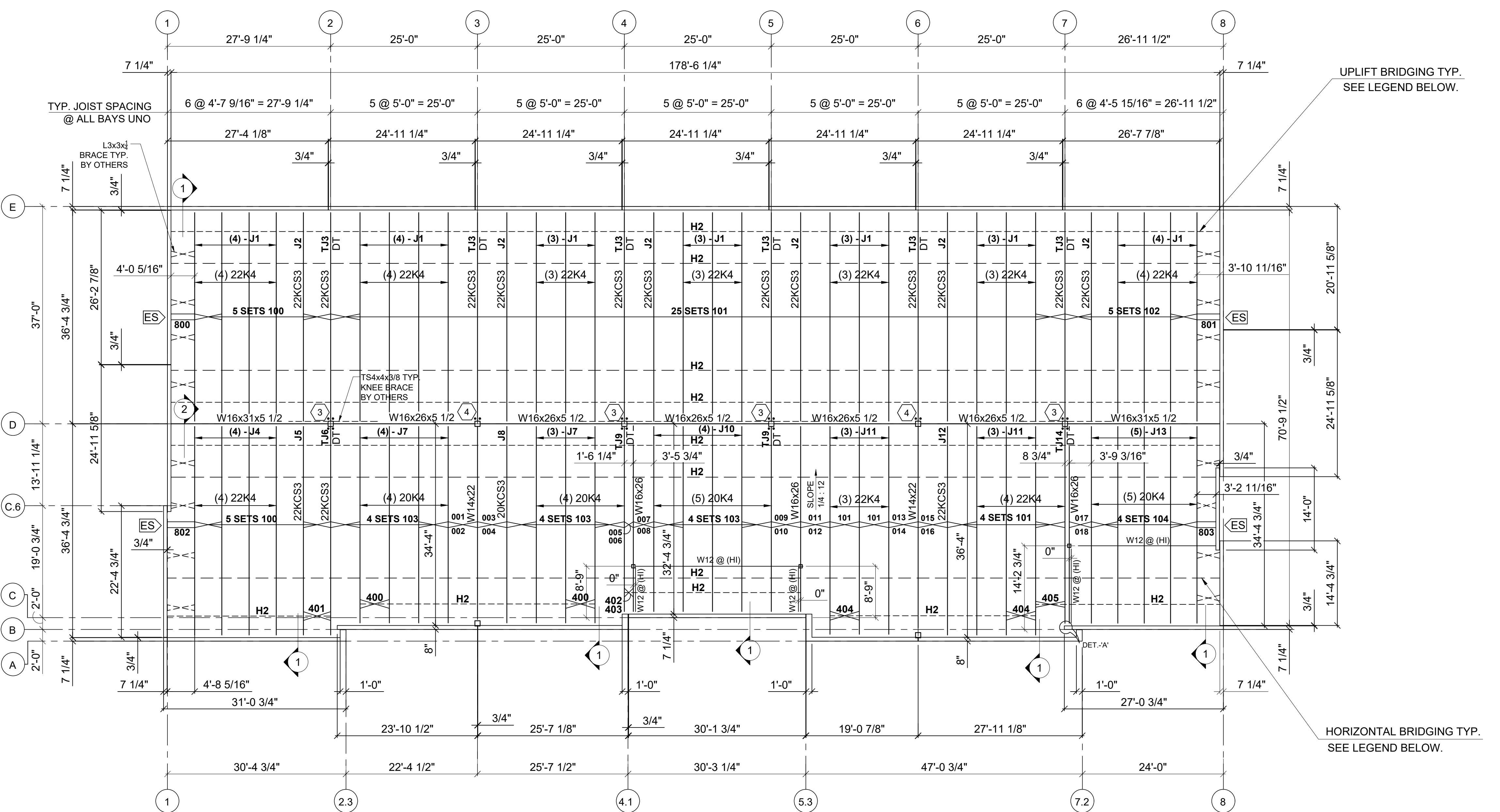
STEP 2 : INSTALL THE SECOND X-BRDG SET ON THE OTHER SIDE OF THE JOIST WITH TWO ADDITIONAL LOW PROFILE NUTS (NO WASHERS RDQ).

RESULT: TWO BRDG PIECES ARE MAINTAINED AT EACH STUD WITH TWO SEPARATE LOW PROFILE NUTS.

NOTE: LOW PROFILE NUTS ON 3/8" DIAM. STUDS REQUIRE 1 1/16" SOCKET.

DRAWING LEGEND	
[00'-0"] = ELEVATION	TC = TOP CHORD
[0"] = SEAT DEPTH (WHEN NON-STANDARD)	BC = BOTTOM CHORD
-0.0K" = AXIAL LOADS	EG = END OF GIRDERS
[0.0K" = END OF JOIST]	EG = END OF JOIST
[0.0K" = JOINT BEARING ELEVATION]	JBE = JOINT BEARING ELEVATION
[0.0K" = END OF JOIST - NOT DESIGNED TO SUPPORT AN EMPLOYEE WITHOUT BRIDGING INSTALLED. SEE ERECTOR NOTES FOR ADDITIONAL INFORMATION]	DT = DESIGNATED ELEVATION
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	TJ = TIE JOIST
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	TQJ = TOP OF JOIST
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	BA = BACK OF ANGLE
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	BOC = BACK OF CHANNEL
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	FOW = FACE OF WALL
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	IWF = INSIDE FACE OF WALL
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	EJ = EXPANSION JOINT
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	VIF = VERIFY IN FIELD
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	TPP = ELEVATION CHANGE
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	● = MAY BE USED TO INDICATE BOLTED SEAT CONNECTION
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	○ = DENOTES JOIST CONNECTION
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	◎ = DENOTES JOIST/GIRDERS CONNECTION
[0.0K" = POINT LOAD - AMOUNT WRITTEN ABOVE THE LINE]	" = INDICATES X-BRIDGING TO BE PLACED ON ALL OTHER X-BRIDGED JOISTS TO BE EQUALLY SPACED BETWEEN THE FIRST BOTTOM CHORD PANEL POINTS

ALL JOIST & BRIDGING WILL
BE PAINTED WITH ONE COAT
STD STANDARD GRAY DIP
PRIMER.

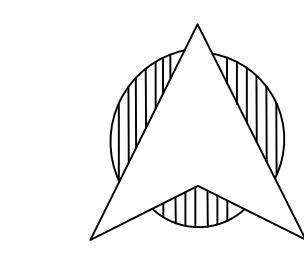


TYPICAL BRIDGING SPACING ALIGNED W/UPLIFT

NOTE: BRIDGING ROW QUANTITY'S WILL VARY.
(SEE JOIST ERECTION PLANS FOR BRIDGING ROW REQUIREMENTS.)

BRIDGING LEGEND WITH ANGLE SIZE

10 SETS 100	= CONTINUOUS ROW OF BOLTED-X BRIDGING IDENTIFIED ON PLACEMENT PLAN BY MARKS 001 - 399
• L 1 1/4x1 1/4x0.109	
800	= BOLTED HORIZONTAL BRIDGING, IDENTIFIED ON PLACEMENT PLAN BY MARKS 800 - 899
• L 1 1/4x1 1/4x0.109	
400	= WELDED-X BRIDGING, IDENTIFIED ON PLACEMENT PLAN BY MARKS 400 - 799
• L 1 1/4x1 1/4x0.109	
H# - H#	= CONTINUOUS ROW OF HORIZONTAL BRIDGING AT TOP AND BOTTOM CHORD, IDENTIFIED BY MARKS H1 - H6 ON PLACEMENT PLAN. REFERENCE TYPICAL BRIDGING SPACING DETAIL ON EACH PLACEMENT PLAN FOR SPACING REQUIREMENTS, UNLESS SPECIFIC LOCATIONS ARE SHOWN.
• H2 = L 1 1/4x1 1/4x0.109	
H# - H#	= CONTINUOUS ROW OF HORIZONTAL UPLIFT BRIDGING INSTALLED AT FIRST BOTTOM CHORD PANEL POINT, IDENTIFIED ON PLAN BY H1 - H6 (REFERENCE TYPICAL BRIDGING SPACING DETAIL ON ROOF PLACEMENT PLANS)
• H2 = L 1 1/4x1 1/4x0.109	



ROOF JOIST PLACEMENT PLAN

SEQ. #01J

REF. : S3

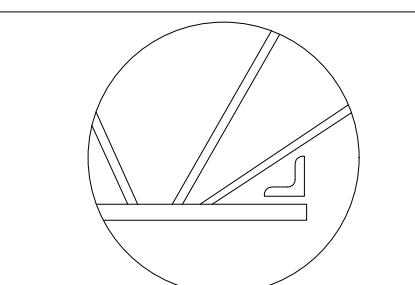
PROJECT
NORTH

1. THE TAG END OF THE JOIST IS THE END AT WHICH THE PIECEMARK IS LOCATED.
2. REFERENCE DWG JE1.01 FOR LEGEND, SYMBOLS & ABBREVIATIONS.
3. ALL JOIST BEARING COLUMNS ARE HSS8x8 TYP.
4. FOR JOIST SECTIONS SEE JE4.01.

NET UPLIFT = 25.0 PSF.

ADDITIONAL BRIDGING DUE TO UPLIFT

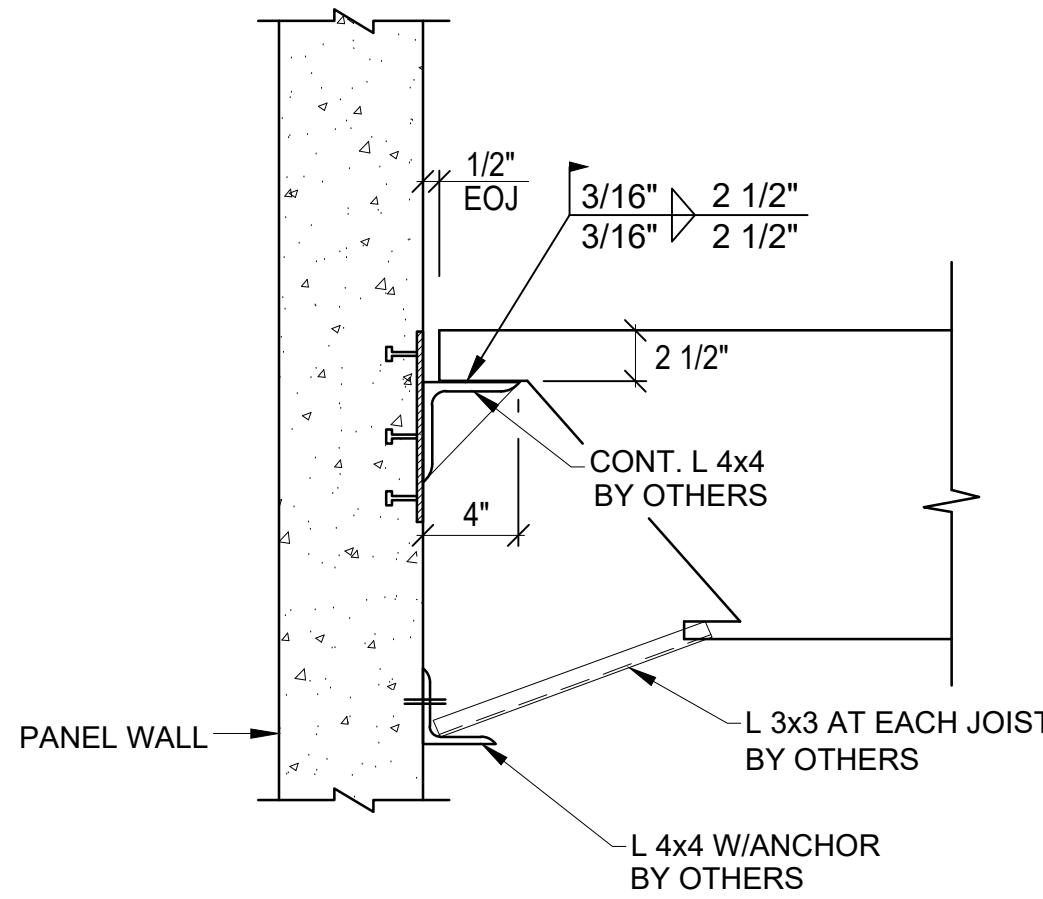
A SINGLE ROW OF HORIZONTAL BRIDGING LOCATED @ THE FIRST BOTTOM CHORD PANEL POINT @ EACH END. TYP. @ EACH JOIST SHOWN --- ON PLAN. THE UPLIFT BRIDGING SIZE IS THE SAME AS THE REGULAR BRIDGING SIZE FOR THAT BAY.



UPLIFT BRIDGING DETAIL

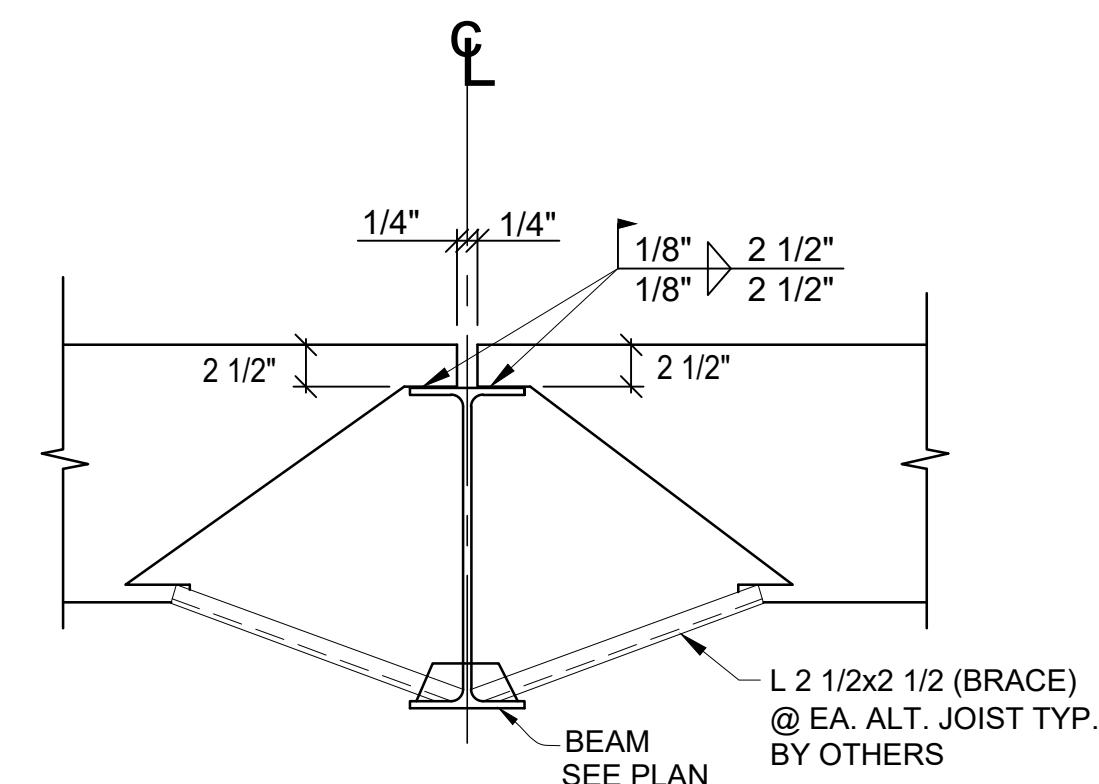
UPLIFT BRIDGING MUST BE LOCATED PER DIMENSIONS (WHEN PROVIDED) SHOWN ON PLAN. BRIDGING MAY BE LOCATED EITHER SIDE OF THE JOIST BOTTOM CHORD PANEL POINTS.

FOR FIELD USE



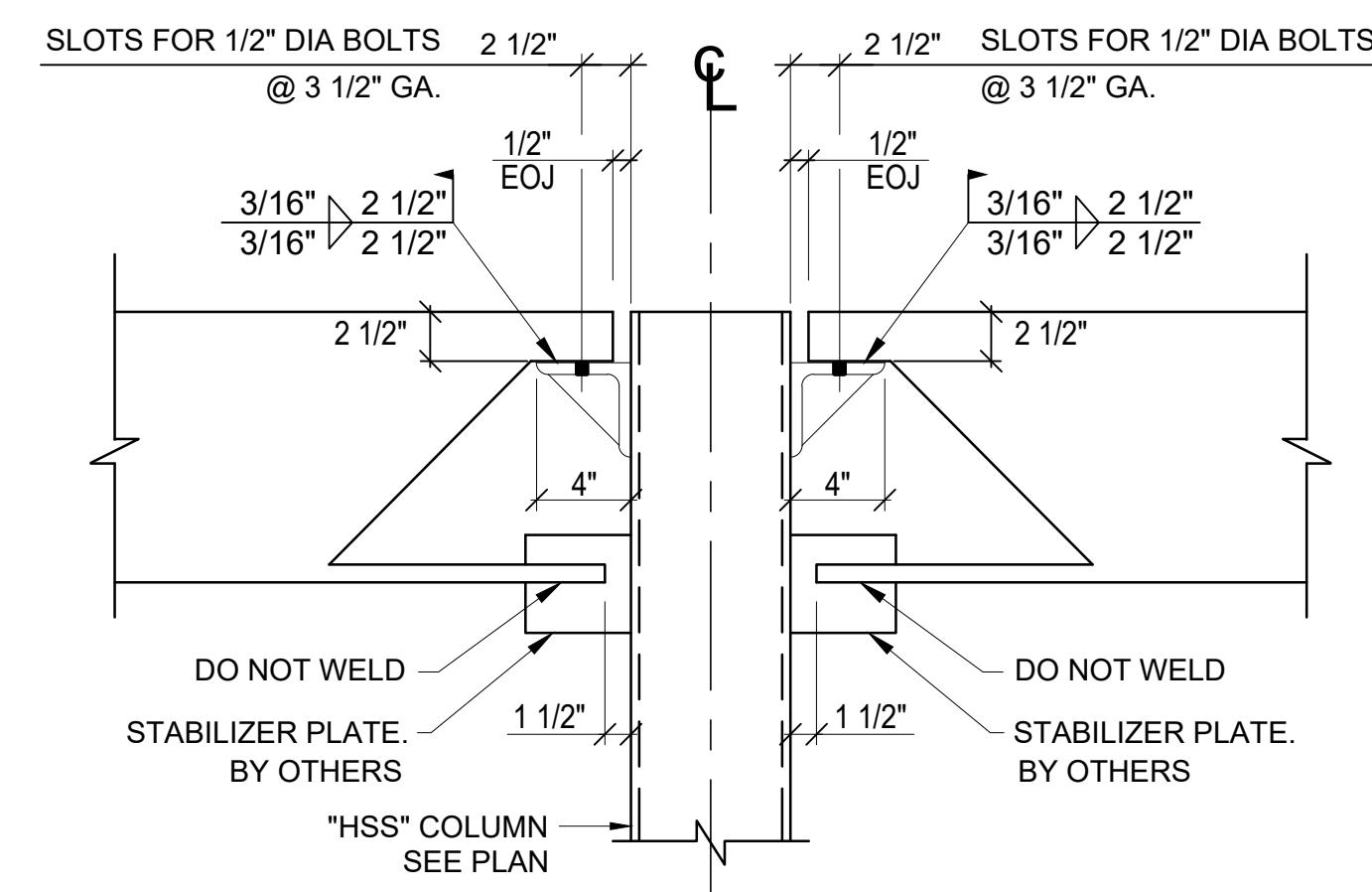
JOIST SECTION 1

REF. : 1, 2, 3/S4, 1/S5



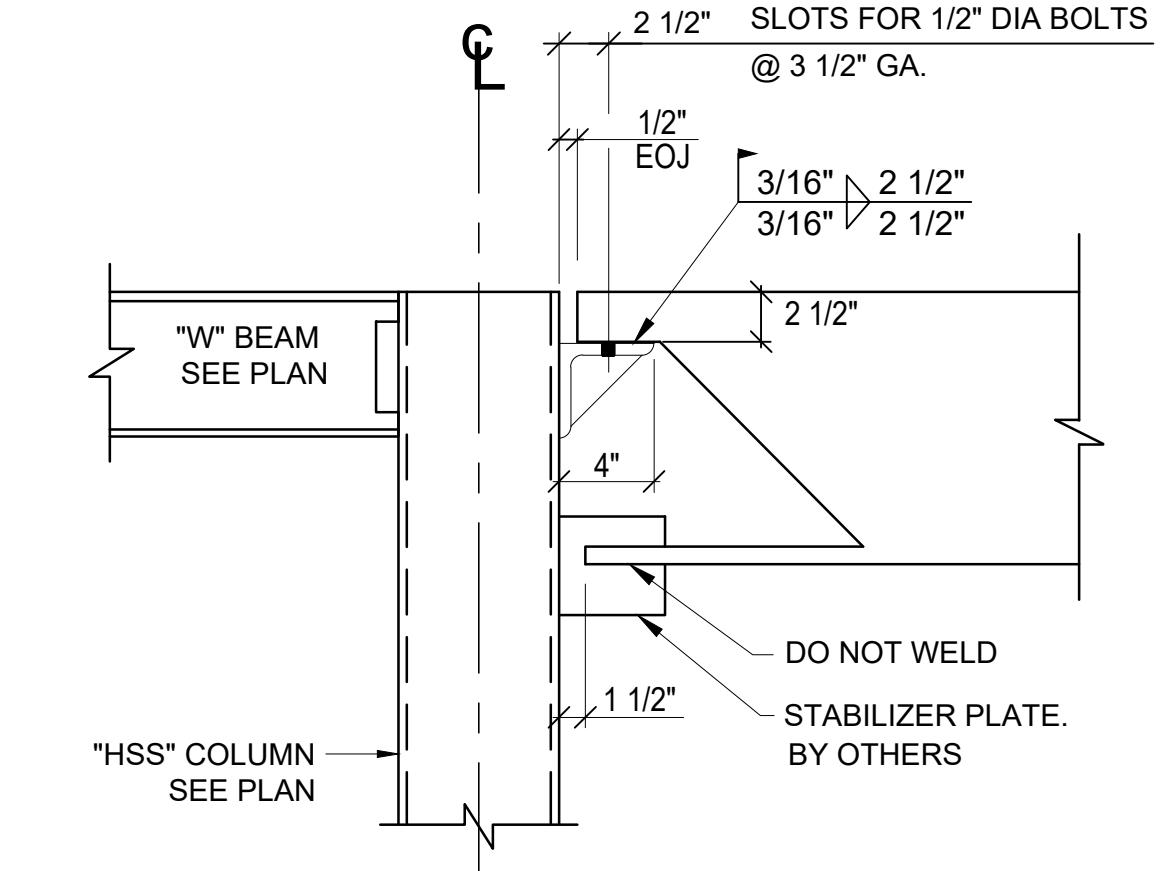
JOIST SECTION 2

REF. : 1/S11



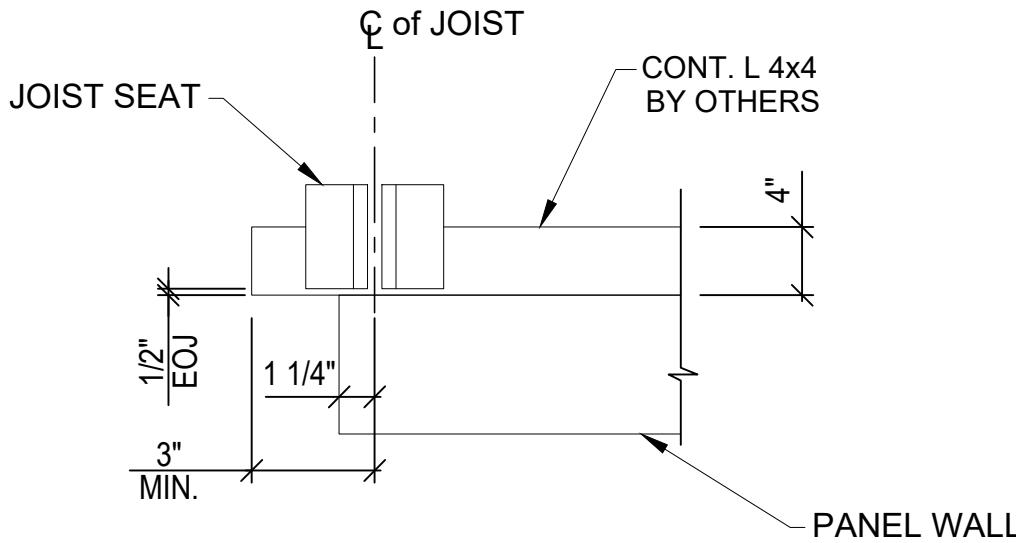
JOIST SECTION 3

BOLTS BY OTHERS
REF. : 4/S11



JOIST SECTION 4

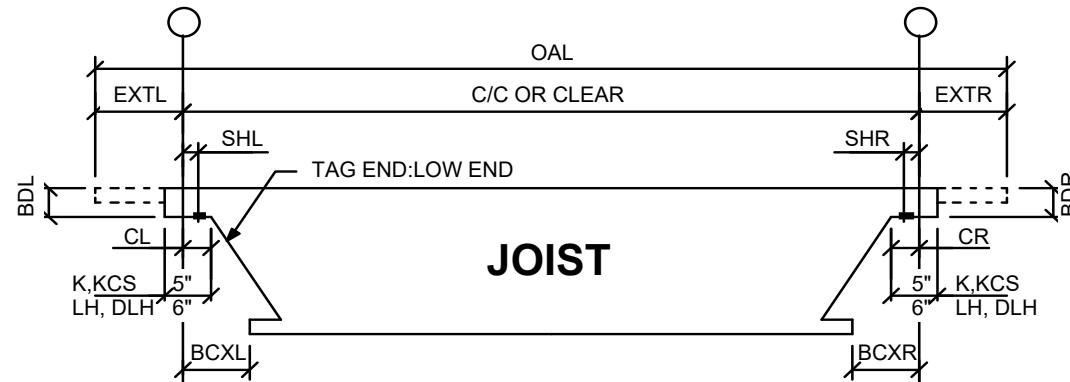
BOLTS BY OTHERS
REF. : NOT PROVIDED



DETAIL - 'A'

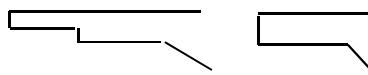
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FOR FIELD USE



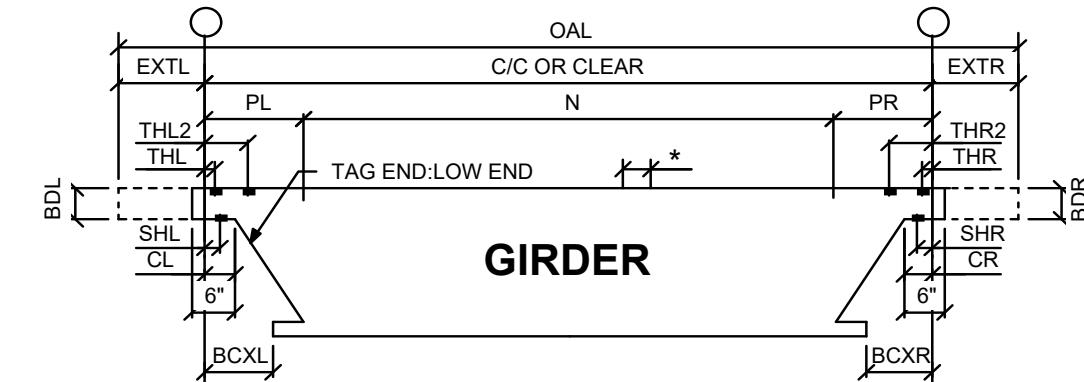
LENGTHS SHOWN ARE IN HORIZONTAL PROJECTION
DT= Danger Tag (per OSHA)

FL & FR = Type S, F & R
or dimension to end of
seats from center line.



TYPE "S" EXT TYPE "F" & "R" EXT

Seat Standards UNLESS NOTED ON THE LIST
BDL,BDR: H & K = 2 1/2"
LH & DLH = 5"
Slots: H & K = 5/8", 3 1/2" Gage
LH & DLH = 7/8", 4" Gage



LENGTHS SHOWN ARE IN HORIZONTAL PROJECTION

* OSHA JOIST TO GIRDER CONNECTION
WS= Welded Seats
NS= Joist Bolted on Near Side
FS= Joist Bolted on Far Side
BS= Joist Bolted on Both Sides

Seat Standards UNLESS NOTED ON THE LIST
BDL,BDR: = 7 1/2"
SLOTS: = 7/8", 5"
THL, THR = 5/8" Holes, 5" Gage
Holes for LH Series Must be Noted

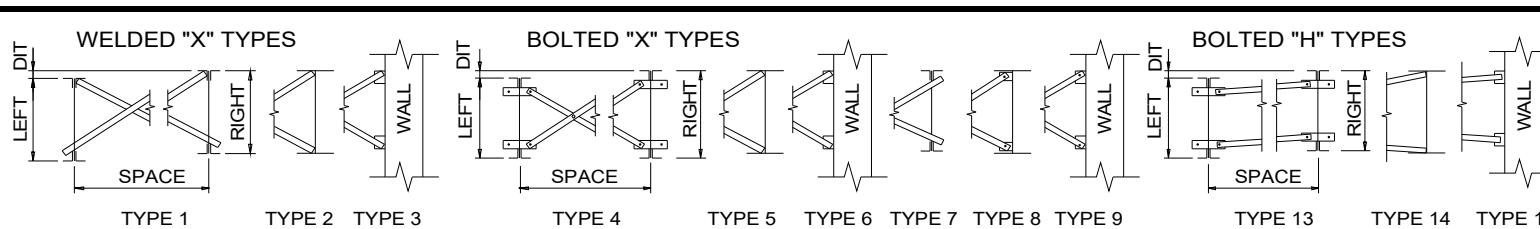
EXTL = EXtension Top Left
CL = Clearance Left
BDL = Bearing Depth Left
SHL = Seat Holes Left
BCXL = Bottom Chord Extension Left
THL = Top Chord Hole Left (Girder)
THL2 = Top Chord Hole Left 2nd (Girder)
PL = Panel Left (Girder)

EXTR = EXtension Top Right
CR = Clearance Right
BDR = Bearing Depth Right
SHR = Seat Holes Right
BCXR = Bottom Chord Extension Right
THR = Top Chord Hole Right (Girder)
THR2 = Top Chord Hole Right 2nd (Girder)
PR = Panel Right (Girder)

C/C or Clear = C/C of Grid or Inside Face of Wall
OAL Over All Length
N = Number of Joist Spacings

NOTES:		NET UPLIFT: <u>125</u> PLF																					
		ASD	<input checked="" type="checkbox"/>	LRFD	<input type="checkbox"/>	FACTORED	<input type="checkbox"/>																
SEQUENCE				QTY	MARK	TYPE	ELEV. SLOPE	EXTL	C/C OR CLEAR	EXTR	FL / TYPE	CL	FR/ TYPE	CR	BDL	BDR	SHL	SHR	BCXL	BCXR	OAL	NOTES	
1	2	3	4																				
24				24	J1	22K4		- 1/2"	36'-4 3/4"	- 1/4"	F	4"	F	5 1/4"	2 1/2"	2 1/2"					36'-4"	X1	
6				6	J2	22KCS3		- 1/2"	36'-4 3/4"	- 1/4"	F	4"	F	5 1/4"	2 1/2"	2 1/2"					36'-4"	X1	
6				6	TJ3	22KCS3		- 1/2"	36'-4 3/4"	-4 1/2"	F	4"	F	8"	2 1/2"	2 1/2"		6 1/2"		5 1/2"	35'-11 3/4"	1, X1 (DT)	
4				4	J4	22K4		- 1/4"	36'-4 3/4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					36'-4"	X1	
1				1	J5	22KCS3		- 1/4"	36'-4 3/4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					36'-4"	X1	
1				1	TJ6	22KCS3		-4 1/2"	36'-4 3/4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"	6 1/2"		5 1/2"		35'-11 3/4"	2, X1 (DT)	
7				7	J7	20K4		- 1/4"	34'-4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					34'-3 1/4"	X2	
1				1	J8	20KCS3		- 1/4"	34'-4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					34'-3 1/4"	X2	
2				2	TJ9	20K4		-4 1/2"	32'-4 3/4"	- 1/2"	F	8"	F	4"	2 1/2"	2 1/2"	6 1/2"		5 1/2"		31'-11 3/4"	2, X2 (DT)	
4				4	J10	20K4		- 1/4"	32'-4 3/4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					32'-4"	X2	
6				6	J11	22K4		- 1/4"	36'-4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					36'-3 1/4"	X2	
1				1	J12	22KCS3		- 1/4"	36'-4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					36'-3 1/4"	X2	
5				5	J13	20K4		- 1/4"	34'-4 3/4"	- 1/2"	F	5 1/4"	F	4"	2 1/2"	2 1/2"					34'-4"	X1	
1				1	TJ14	22K4		-4 1/2"	34'-4 3/4"	- 1/2"	F	8"	F	4"	2 1/2"	2 1/2"	6 1/2"		5 1/2"		33'-11 3/4"	2, X2 (DT)	
69			69	TOTAL QTY		LAST SHOP ORDER YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>				PROJECT: PO#24-3827-SHOPS @ JORDAN BLDG A										PAINT: GRAY	REV #	DATE:	

															NOTES:										
NOTE FOR "D1T" USE "+" WHEN "LEFT" IS LOWER THAN "RIGHT" & USE "-" WHEN "RIGHT" IS LOWER THAN "LEFT"																									
SEQUENCE				QTY	MARK	TYPE	LEFT MARK	LEFT DEPTH	RIGHT MARK	RIGHT DEPTH	SPACING	DIT = DIFF IN TOP	SIZE	REMARKS	SEQUENCE				HORIZONTAL BRIDGING						
1	2	3	4												1	2	3	4	QTY	MARK	LENGTH	SIZE	REMARKS		
20				20	100	4		22"		22"	4'-7 5/8"		L1 1/4x1 1/4x0.109		90				90	H2	25'-0"	L1 1/4x1 1/4x0.109	(UPLIFT INCLUDED)		
62				62	101	4		22"		22"	5'-0"		L1 1/4x1 1/4x0.109												
10				10	102	4		22"		22"	4'-6"		L1 1/4x1 1/4x0.109												
24				24	103	4		20"		20"	5'-0"		L1 1/4x1 1/4x0.109												
8				8	104	4		20"		20"	4'-6"		L1 1/4x1 1/4x0.109												
1				1	001	5		20"		14"	5'-0"		L1 1/4x1 1/4x0.109		SEQUENCE				BRIDGING ANCHOR CLIPS						
1				1	002										1	2	3	4	QTY	MARK	LENGTH	SIZE	REMARKS		
1				1	003	5		14"		20"	5'-0"		L1 1/4x1 1/4x0.109												
1				1	004																				
1				1	005	5		20"		16"	1'-6 1/4"		L1 1/4x1 1/4x0.109												
1				1	006										SEQUENCE				GIRDER KNEE BRACE / LOOSE BOTTOM CHORD						
1				1	007	5		16"		20"	3'-5 3/4"		L1 1/4x1 1/4x0.109		1	2	3	4	QTY	MARK	LENGTH	SIZE	GIRDER DEPTH JOIST DEPTH SEAT DEPTH		
1				1	008																				
1				1	009	5		20"		16"	5'-0"		L1 1/4x1 1/4x0.109												
1				1	010																				
1				1	011	5		16"		22"	5'-0"		L1 1/4x1 1/4x0.109												
1				1	012										SEQUENCE				BOLT/NUT/WASHER				BOLT/NUT/WASHER		
1				1	013	5		22"		14"	5'-0"		L1 1/4x1 1/4x0.109		1	2	3	4	QTY	SIZE	1	2	3	4	QTY SIZE
1				1	014																				
138				138	TOTAL QTY		LAST SHOP ORDER	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	PROJECT:	PAINT: GRAY				REV#				DATE:						



NOTE FOR "D1T" USE "+" WHEN "LEFT" IS LOWER THAN "RIGHT" & USE "-" WHEN "RIGHT" IS LOWER THAN "LEFT"

SEQUENCE				QTY	MARK	TYPE	LEFT MARK	LEFT DEPTH	RIGHT MARK	RIGHT DEPTH	SPACING	DIT = DIFF IN TOP	SIZE	REMARKS	SEQUENCE				HORIZONTAL BRIDGING									
1	2	3	4												1	2	3	4	QTY	MARK	LENGTH	SIZE	REMARKS					
1				1	015	5		14"		22"	5'-0"		L1 1/4x1 1/4x0.109															
1				1	016																							
1				1	017	5		16"		20"	3'-9 1/4"		L1 1/4x1 1/4x0.109															
1				1	018																							
4				4	400	1		20"		20"	5'-0"		L1 1/4x1 1/4x0.109															
2				2	401	1		22"		22"	4'-7 5/8"		L1 1/4x1 1/4x0.109		SEQUENCE				BRIDGING ANCHOR CLIPS									
2				2	402	1		20"		16"	1'-6 1/4"		L1 1/4x1 1/4x0.109		1	2	3	4	QTY	MARK	LENGTH	SIZE	REMARKS					
					403																							
4				4	404	1		22"		22"	5'-0"		L1 1/4x1 1/4x0.109															
2				2	405	1		22"		22"	5'-0"		L1 1/4x1 1/4x0.109															
2				2	800	15		22"		22"	4'-0 3/8"		L1 1/4x1 1/4x0.109		SEQUENCE				GIRDER KNEE BRACE / LOOSE BOTTOM CHORD									
2				2	801	15		22"		22"	3'-10 3/4"		L1 1/4x1 1/4x0.109		1	2	3	4	QTY	MARK	LENGTH	SIZE	GIRDER DEPTH	JOIST DEPTH	SEAT DEPTH			
2				2	802	15		22"		22"	4'-8 3/8"		L1 1/4x1 1/4x0.109															
2				2	803	15		20"		20"	3'-2 3/4"		L1 1/4x1 1/4x0.109															
															SEQUENCE				BOLT/NUT/WASHER			SEQUENCE				BOLT/NUT/WASHER		
															1	2	3	4	QTY	SIZE		1	2	3	4	QTY	SIZE	
26				26	TOTAL QTY	LAST SHOP ORDER	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	PROJECT: PO#24-3827-SHOPS @ JORDAN BLDG A								PAINT: GRAY				REV#:				DATE:			

JOIST ERECTION NOTES

REFER TO THE STEEL JOIST INSTITUTES (SJI) TD SPECIFICATIONS AND ITS TECHNICAL DIGEST (TD) 9

GC / ERECTOR NOTE:

DO NOT ERECT STEEL JOISTS WITHOUT OBTAINING A COPY AND THOROUGHLY READING THE SJI TD HANDLING AND ERECTION OF STEEL JOISTS AND JOIST GIRDERS. SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FAMILIARIZE AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATIONS AND THE SAFETY GUIDELINES OUTLINED IN THE SJI TD 9. THIS MANUAL IS INTENDED TO BE AN AID AND GENERAL GUIDE FOR THE SAFE AND PROPER ERECTION OF STEEL JOIST PRODUCTS.

SJI TD 9 IS AVAILABLE FROM:

STEEL JOIST INSTITUTE
234 W. CHEVES STREET
FLORENCE, SC 29301
PHONE: 843-407-4091
FAX: 843-407-4044
WEB: WWW.STEEL-JOIST.ORG

JOIST DELIVERY AND UNLOADING:

1. VERIFY QUANTITIES AND CONDITION OF JOISTS AND JOIST ACCESSORIES UPON ARRIVAL. INFO JOIST MANUFACTURER IMMEDIATELY OF ANY SHIPPAGE DISCREPANCIES OR DAMAGE.
2. THE MATERIAL LISTED ON THE PLAN ARE THE ONLY ITEMS BEING SUPPLIED.
3. WHEN UNLOADING JOISTS BY CRANE, ALWAYS HOIST JOISTS BY TOP OR BOTTOM CHORD POINTS (NOT BY WEB MEMBERS). AT OR NEAR 1/3 POINTS.
4. IF NOT ERECTED IMMEDIATELY, STORE JOISTS AND JOIST ACCESSORIES OFF THE GROUND AND KEEP THEM COVERED TO PROTECT THE PRIMER COATING.

JOIST INSTALLATION:

5. FOLLOW ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) FEDERAL REGISTER SUBPART R 1926. IMMEDIATELY AFTER JOIST IS SET, ATTACH JOIST TO SUPPORTS AS REQUIRED BY SJI AND OSHA. AS BRIDGING IS INSTALLED, REMOVE SWEEP IN THE JOIST AND CORRECT ANY VERTICAL MISALIGNMENT. ONCE THE BRIDGING IS INSTALLED, ATTACH JOISTS TO SUPPORTS PER FINAL ERECTION DRAWINGS.
6. ONLY DRAWINGS HAVING A "FIELD USE" STAMP SHALL BE USED FOR ERECTION.

7. REFER TO THE ERECTION DRAWINGS FOR JOIST AND JOIST GIRDER END ANCHORAGE. FOR K-SERIES JOISTS, JOIST GIRDERS, AND ACCESSORIES SHALL BE ATTACHED TO STEEL SUPPORTS WITH A MINIMUM OF:

K-SERIES JOISTS - THE EQUIVALENT OF TWO 1/8" FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A307 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.

LH-SERIES JOISTS, SECTION NUMBERS 02 THRU 06 - THE EQUIVALENT OF TWO 3/16"

FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A307 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.

LH-SERIES & DH-SERIES JOISTS, SECTION NUMBERS 07 THRU 17 - THE EQUIVALENT OF TWO 3/8" A307 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.

DH-SERIES JOISTS, SECTION NUMBERS 18 THRU 25 - THE EQUIVALENT OF TWO 1/4"

FILLET WELDS (W) 4" LONG (L), AND BOLTED WITH TWO 3/4" A325 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.

JOIST GIRDERS - THE EQUIVALENT OF TWO 1/4" FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A325 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.

BRIDGING - THE EQUIVALENT OF A 1/8" FILLET WELD (W) 1" LONG (L), WITH THE EXCEPTION OF BOLTING, FOR K-SERIES JOISTS.

THE EQUIVALENT OF A 1/8" FILLET WELD (W) 1" LONG (L), WITH THE EXCEPTION OF BOLTING, FOR LH-SERIES JOISTS, SECTION NUMBERS 02 THRU 06.

THE EQUIVALENT OF A 1/8" FILLET WELD (W) 2 1/4" LONG (L), WITH THE EXCEPTION OF BOLTING, FOR LH-SERIES JOISTS, SECTION NUMBERS 18 THRU 25.

BOTTOM CHORD BRACES - THE EQUIVALENT OF A * FILLET WELD (W) ** LONG (L).

* = SAME AS BRACE ANGLE THICKNESS. ** = SAME AS BRACE ANGLE LEG LENGTH.

DO NOT WELD BRACE TO JOIST GIRDER UNTIL ALL DEAD LOAD HAS BEEN APPLIED.

KEY:

8. ALL STEEL BEARING JOISTS IN BAYS 40'-0" AND MORE, ARE TO BE BOLTED TO SUPPORTS PER OSHA, UNLESS JOISTS ARE PRE-ASSEMBLED INTO PANELS.

9. ACCORDING TO SJI, BEARING PLATES SHALL BE LOCATED NO MORE THAN 1/2" FROM THE FACE OF MASONRY OR CONCRETE SUPPORTS. REFERENCE SJI SPECIFICATIONS FOR MINIMUM BEARING PLATE WIDTHS.

10. UNBRIDGED JOISTS MAY EXHIBIT SOME DEGREE OF INSTABILITY UNDER THE ERECTOR'S WEIGHT. THEREFORE, EXTREME CAUTION MUST BE EXERCISED. WHEN IT IS NECESSARY FOR THE ERECTOR TO CLIMB ON THE JOIST, REFER TO SJI AND OSHA REQUIREMENTS.

11. TIE-JOISTS THAT ARE NOT PERMANENTLY ATTACHED, SHOULD NOT BE ATTACHED TO JOIST GIRDER ENDS PERMANENTLY ATTACHED, BEFORE APPLYING CONSTRUCTION LOADS TO JOIST.

12. ADEQUATE MEANS FOR DISTRIBUTING CONCENTRATED LOADS SHOULD BE PROVIDED SO THAT THE CAPACITY OF ANY JOIST IS NOT EXCEEDED.

13. JOIST CHORDS ARE NOT DESIGNED FOR BENDING DUE TO CONCENTRATED LOADS, UNO ON PLANS. EITHER PLACE LOADS AT JOIST PANEL POINTS OR SEE THE "FIELD INSTALLED WEB MEMBERS AT CONCENTRATED LOADS" DETAIL.

O'DONNELL GENERAL NOTES:

14. NIC - NOT IN CONTRACT. UNO - UNLESS NOTED OTHERWISE.

15. TYPICAL PRIMER COATING, UNO ON PLANS.
STD. SHOP COAT GRAY PRIMER FOR ALL JOISTS, JOIST GIRDERS & JOIST ACCESSORIES.

SHOP PRIMER COMPLIES WITH SSPC-PAINT 15 AND FS TI-P 636.

NOTE: SHOP PRIMER COLOR IS NOT PREDICTABLE AND MAY NOT BE UNIFORM AND REQUIRE RETOUCH OR RECOLORATIONS BEFORE FINISH COAT IS APPLIED.

16. WELDED HORIZONTAL BRIDGING IS SUPPLIED IN 25'-0" LENGTHS. FIELD CUT WELDED HORIZONTAL BRIDGING AS REQUIRED AND UTILIZE ALL DROP.

NOTE: WELDED BRIDGING IS TO BE EQUALLY SPACED BETWEEN SUPPORTS, UNO ON PLANS.

DECK MUST BE POSITIVELY ATTACHED TO JOIST TOP CHORDS IN ACCORDANCE WITH DECK FASTENING REQUIREMENTS, TO PROVIDE LATERAL STABILITY, UNO ON PLANS.

17. JOISTS MARKED TJ, INDICATES TIE-JOISTS. THESE JOISTS ARE NOT DESIGNED TO SATISFY OSHA 29 CFR 1926.757 (o)(3). REFER TO "DANGER" TAG ON JOIST FOR ERECTION REQUIREMENTS.

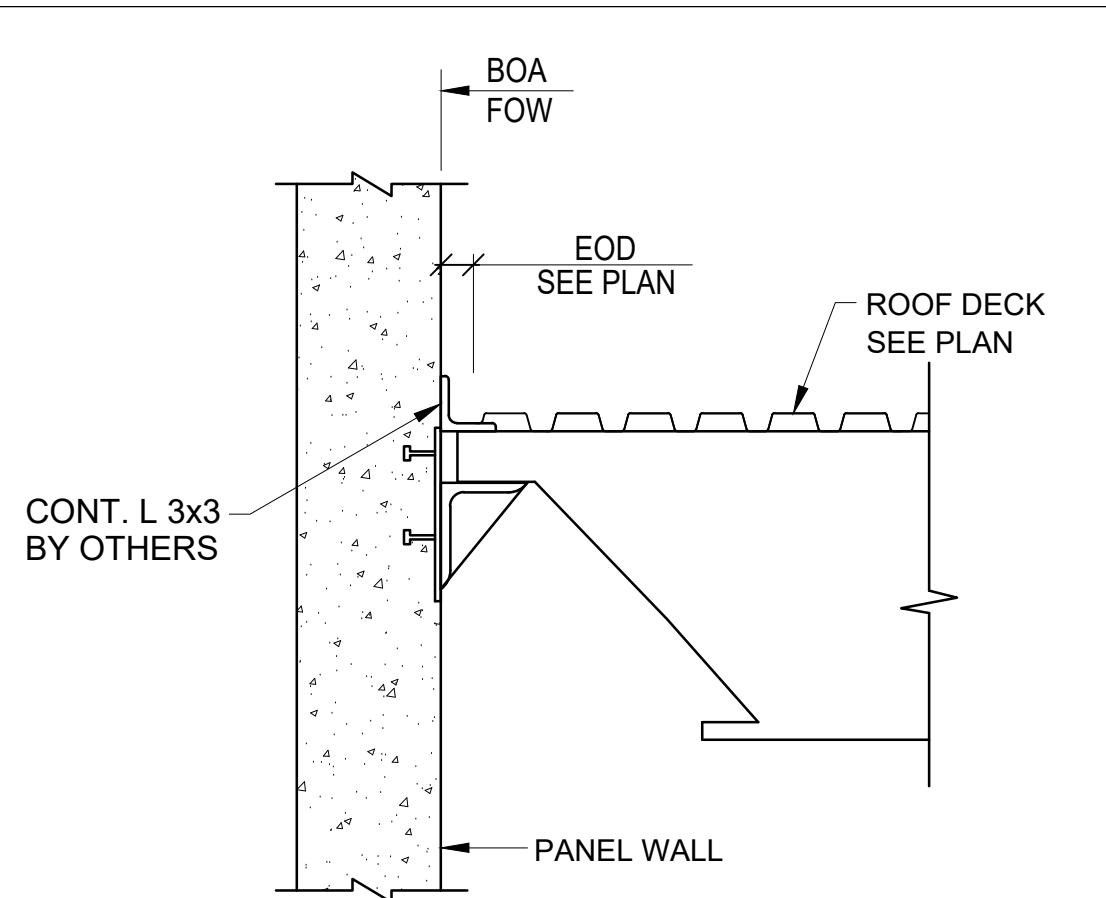
18. DO NOT CUT AWAY ANY CHORDS OR WEBS.

19. PRODUCTS ARE FABRICATED TO MEET THE ERECTION REQUIREMENTS OF OSHA. FIELD COMPLIANCE WITH OSHA IS NECESSARY.

CONTRACT NOTE:

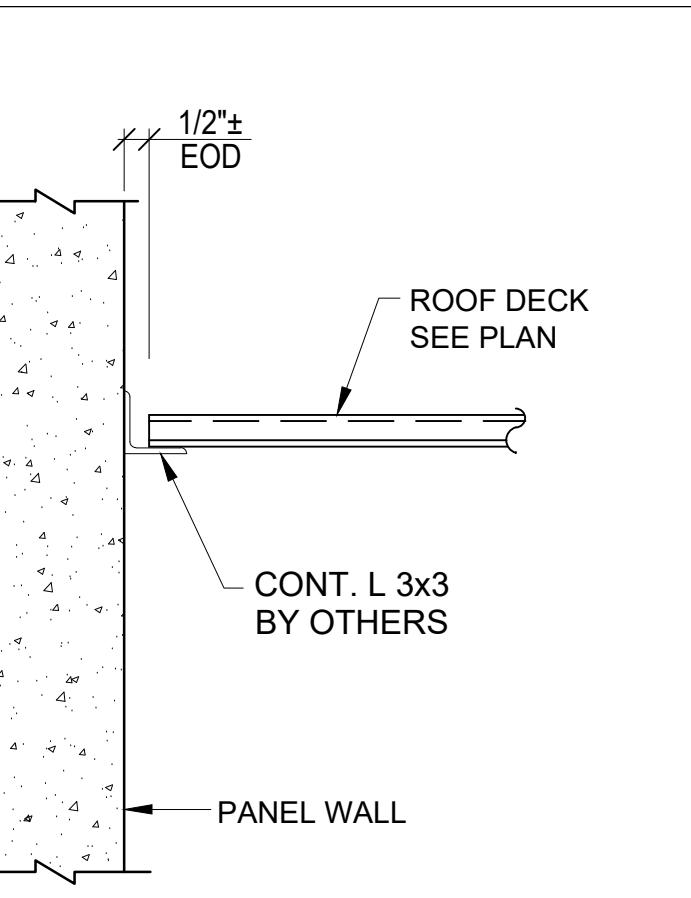
O'DONNELL WILL NOT ACCEPT THE RESPONSIBILITY OR CHARGES FOR ANY FIELD CORRECTIONS MADE WITHOUT PRIOR O'DONNELL APPROVAL.

FOR FIELD USE



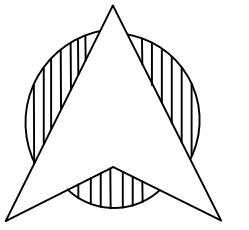
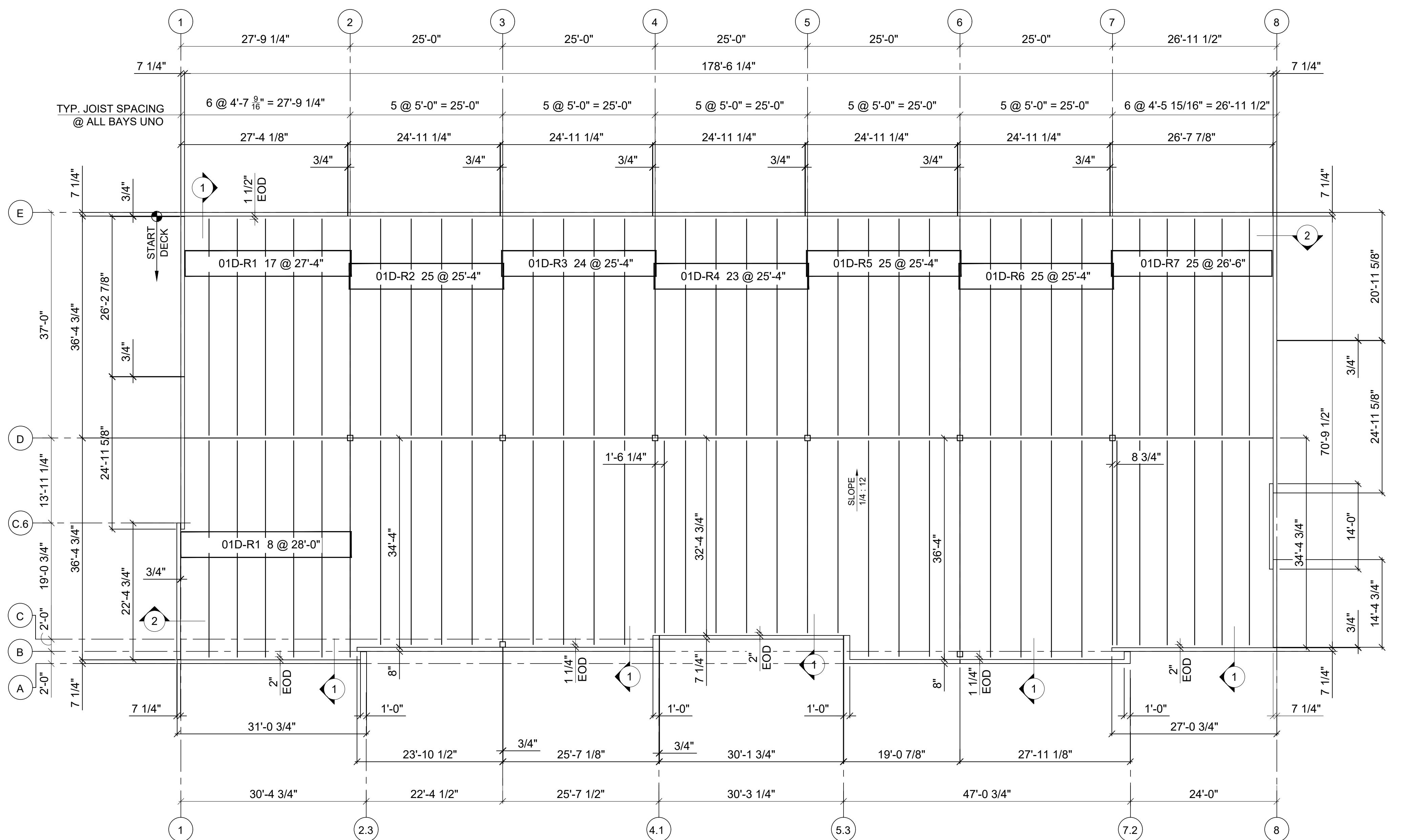
DECK SECTION 1

REF.: 1, 2, 3/S4, 1/S5



DECK SECTION 2

REF.: 1/S7, 2/S5, 1/S6



ROOF DECK LAYOUT PLAN

SEQ. #01D

REF. : S3

PROJECT
NORTH

1. REFERENCE DWG DE1.1 FOR LEGEND, SYMBOLS & ABBREVIATIONS.
2. FOR DECK SECTIONS, SEE DRAWING DE1.3

Accessories Schedule						
Length = 10'-0" TYP. UNO.						
MARK	Gage	Profile	A	B	C	Angle
TEK/1 (Tek Screws)						

ERECTOR NOTE:
DECK TO BE FIELD CUT
AS REQUIRE @ ROOF
HATCH & OPENING AREA.

DESIGN METHOD
ASD: <input checked="" type="checkbox"/> LRF: <input type="checkbox"/> FACTORED: <input type="checkbox"/>

DECK SHEET LEGEND
BUNDLE NUMBER SHEET QUANTITY SHEET LENGTH 15-X10 40 @ 20'-10" - DECK BOX OR 15-X10 40 @ 20'-10" - DECK ARROW DECK TYPE LETTER DIVISION/SEQUENCE

DECK FASTENER SCHEDULE				
FASTENER PATTERN AT SUPPORT:				
36" COVERAGE INDICATES ATTACHMENT				36/7 PATTERN
GENERAL NOTES:				
ALLOWABLE CAPACITY FOR DIAPHRAGM ACTION IS IN ACCORDANCE TO SDI PUBLICATION "DIAPHRAGM DESIGN MANUAL." IN THE CASE OF MECHANICAL FASTENERS, THE ERECTOR SHALL TAKE CARE IN THE SELECTION OF ELECTRODES AND AMPERAGE TO PROVIDE POSITIVE TIE TO THE SUPPORT WITHOUT CAUSING ANY HIGH AMPERAGE BLOW THROTS WHICH SIDEWALLS ARE SPEC. THE SPACING SHALL BE EQUALLY DISTANCED WITHOUT HAVING ANY SPACES GREATER THAN SDI MINIMUM SIZE. SIDEWALL SCREW SHALL BE #10 TEK.	BUILDING ZONE	PATTERN @ INTERMEDIATE SUPPORT	PATTERN @ PERIMETER SUPPORT	FASTENER TYPE @ SUPPORT
	ROOF	36/7	6" O.C.	5/8" Ø PUDDLE WELDS #10 TEK SCREWS @ 36° O.C.
1) POUR STOP SHALL BE WELDED WITH 1" FILLET WELDS @ 12" O.C. MAX ACCORDING TO SDI WITH 2" MIN. BEARING. 2) ALL DECK ACCESSORIES OTHER THAN POUR STOPS SHALL ATTACHED BY EITHER TACK WELDING OR #10 TEK SCREWS (BY OTHERS) @ 24" O.C. MAX ACCORDING TO SDI WITH 2" MIN. BEARING.	REMARKS:	SCREWS - #10 -16x3/4" Type/1 (Side Laps)		

FOR FIELD USE

JOIST ERECTION NOTES							
REFER TO THE STEEL JOIST INSTITUTE (SJI) SPECIFICATIONS AND ITS TECHNICAL DIGEST (TD) 9							
GC / ERECTOR NOTE:							
DO NOT ERECT STEEL JOISTS WITHOUT OBTAINING A COPY AND THOROUGHLY READING THE SJI TD HANDLING AND ERECTION OF STEEL JOISTS AND JOIST GIRDERS. SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FAMILIARIZE AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF ERECTOR, OWNER, AND CONTRACTOR. REFER TO THE SJI SPECIFICATIONS AND THE SAFETY GUIDELINES OUTLINED IN THE TD 9. THIS MANUAL IS INTENDED TO BE AN AID AND GENERAL GUIDE FOR THE SAFE AND PROPER ERECTION OF STEEL JOIST PRODUCTS.							
SJI TD 9 IS AVAILABLE FROM:							
STEEL JOIST INSTITUTE	PHONE: 843-407-4091	234 W. CHEEVE STREET	FAX: 843-407-4044	FLORENCE, SC 29301	WEB: WWW.STEEL-JOIST.ORG		
JOIST DELIVERY AND UNLOADING:							
1. VERIFY QUANTITIES AND CONDITION OF JOISTS AND JOIST ACCESSORIES UPON ARRIVAL. INFO JOIST MANUFACTURER IMMEDIATELY OF ANY SHIPPED DISCREPANCIES OR DAMAGE.							
2. THE MATERIAL LISTED ON THE BILLS OF LADING ARE THE ONLY ITEMS BEING SHIPPED.							
3. WHEN UNLOADING JOISTS BY CRANE, ALWAYS HOIST JOISTS BY TOP OR BOTTOM CHORD POINTS (NOT BY WEB MEMBERS). AT OR NEAR 1/3 POINTS.							
4. IF NOT ERECTED IMMEDIATELY, STORE JOISTS AND JOIST ACCESSORIES OFF THE GROUND AND KEEP THEM COVERED TO PROTECT THE PRIMER COATING.							
JOIST INSTALLATION:							
5. FOLLOW ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) FEDERAL REGISTER SUBPART R 1926. IMMEDIATELY AFTER JOIST IS SET, ATTACH JOIST TO SUPPORTS AS REQUIRED BY SJI AND OSHA. AS BRIDGING IS INSTALLED, REMOVE SWEEP IN THE JOIST AND CORRECT ANY VERTICAL MISALIGNMENT. ONCE THE BRIDGING IS INSTALLED, ATTACH JOISTS TO SUPPORTS PER FINAL ERECTION DRAWINGS.							
6. ONLY DRAWINGS HAVING A "FIELD USE" STAMP SHALL BE USED FOR ERECTION.							
7. REFER TO THE ERECTION DRAWINGS FOR JOIST AND JOIST GIRDER END ANCHORAGE REQUIREMENTS. JOISTS, JOIST GIRDERS, AND ACCESSORIES SHALL BE ATTACHED TO STEEL SUPPORTS WITH A MINIMUM OF:							
K-SERIES JOISTS – THE EQUIVALENT OF TWO 1/8" FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A307 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.							
LH-SERIES JOISTS, SECTION NUMBERS 02 THRU 06 – THE EQUIVALENT OF TWO 3/16" FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A307 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.							
LH-SERIES & DLH-SERIES JOISTS, SECTION NUMBERS 07 THRU 12 – THE EQUIVALENT OF TWO 1/4" FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A307 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.							
DLH-SERIES JOISTS, SECTION NUMBERS 18 THRU 25 – THE EQUIVALENT OF TWO 1/4" PLATE FIELDS (W) 4" LONG (L), AND BOLTED WITH TWO 3/4" A325 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.							
JOIST GIRDERS – THE EQUIVALENT OF TWO 1/4" FILLET WELDS (W) 2 1/2" LONG (L), AND BOLTED WITH TWO 3/8" A325 BOLTS WHERE SLOTS ARE INDICATED IN SECTION.							
BRIDGING – THE EQUIVALENT OF A 1/8" FILLET WELD (W) 1" LONG (L), WITH THE EXCEPTION OF BOLTING, FOR K-SERIES JOISTS.							
THE EQUIVALENT OF A 1/8" FILLET WELD (W) 1 LONG (L), WITH THE EXCEPTION OF BOLTING, FOR LH-SERIES JOISTS, SECTION NUMBERS 02 THRU 06.							
THE EQUIVALENT OF A 1/8" FILLET WELD (W) 2 1/4" LONG (L), WITH THE EXCEPTION OF BOLTING, FOR LH-SERIES JOISTS, SECTION NUMBERS 07 THRU 12.							
THE EQUIVALENT OF A 1/8" FILLET WELD (W) 2 1/4" LONG (L), WITH THE EXCEPTION OF BOLTING, FOR DLH-SERIES JOISTS, SECTION NUMBERS 18 THRU 25.							
BOTTOM CHORD BRACES – THE EQUIVALENT OF A 1/8" FILLET WELD (W) ** LONG (L).							
** = SAME AS BRACE ANGLE THICKNESS. ** = SAME AS BRACE ANGLE LEG LENGTH.							
DO NOT BRACE JOIST GIRDERS UNTIL ALL DEAD LOAD HAS BEEN APPLIED.							
KEY:							
8. ALL STEEL BEARING JOISTS IN BAYS 40'-0" AND MORE, ARE TO BE BOLTED TO SUPPORTS PER OSHA, UNLESS JOISTS ARE PRE-ASSEMBLED INTO PANELS.							
9. ACCORDING TO SJI, BEARING PLATES SHALL BE LOCATED NO MORE THAN 1/2" FROM THE FACE OF MASONRY OR CONCRETE SUPPORTS. REFERENCE SJI SPECIFICATIONS FOR MINIMUM BEARING PLATE WIDTHS.							
10. UNBRIDGED JOISTS MAY EXHIBIT SOME DEGREE OF INSTABILITY UNDER THE ERECTOR'S WEIGHT. THEREFORE, EXTREME CAUTION MUST BE EXERCISED. WHEN IT IS NECESSARY FOR THE ERECTOR TO CLIMB ON THE JOIST, REFER TO SJI AND OSHA REQUIREMENTS.							
11. TURNING THOSE JOISTS WHICH ARE TURNED 90°, WITH THE JOIST GIRDERS ATTACHED PERMANENTLY ATTACHED, BEFORE APPLYING CONSTRUCTION LOADS TO JOIST.							
12. ADEQUATE MEANS FOR DISTRIBUTING CONCENTRATED LOADS SHOULD BE PROVIDED SO THAT THE CAPACITY OF ANY JOIST IS NOT EXCEEDED.							
13. JOIST CHORDS ARE NOT DESIGNED FOR BENDING DUE TO CONCENTRATED LOADS, UNO ON PLANS. EITHER PLACE LOADS AT JOIST PANEL POINTS OR SEE THE "FIELD INSTALLED WEB MEMBERS AT CONCENTRATED LOADS" DETAIL.							
O'DONNELL GENERAL NOTES:							
14. NIC – NOT IN CONTRACT. UNO – UNLESS NOTED OTHERWISE.							
15. TYPICAL PRIMER COATING, UNO ON PLANS.							
STD. SHOP COAT GRAY PRIMER FOR ALL JOISTS, JOIST GIRDERS & JOIST ACCESSORIES. SHOP PRIMER COMPLIES WITH SSPC-PAINT 15 AND FS TT-P 636.							
NOTE: SHOP PRIMER COLOR IS NOT UNIFORM AND REQUIRE RECOAT OR RECALCULATIONS BEFORE FINISH IS APPLIED.							
16. WELDED HORIZONTAL BRIDGING IS SUPPLIED IN 25'-0" LENGTHS. FIELD CUT WELDED HORIZONTAL BRIDGING AS REQUIRED AND UTILIZE ALL DROP.							
NOTE: WELDED BRIDGING IS TO BE EQUALLY SPACED BETWEEN SUPPORTS, UNO ON PLANS. DECK MUST BE POSITIVELY ATTACHED TO JOIST TOP CHORDS IN ACCORDANCE WITH DECK FASTENING REQUIREMENTS, TO PROVIDE LATERAL STABILITY, UNO ON PLANS.							
17. JOISTS MARRED TJ, INDICATES TIE-JOISTS. THESE JOISTS ARE NOT DESIGNED TO SATISFY OSHA 29 CFR 1926.757 (o)(3). REFER TO "DANGER" TAG ON JOIST FOR ERECTION REQUIREMENTS.							
18. DO NOT CUT AWAY ANY CHORDS OR WEBS.							
19. PRODUCTS ARE FABRICATED TO MEET THE ERECTION REQUIREMENTS OF OSHA. FIELD COMPLIANCE WITH OSHA IS NECESSARY.							
CONTRACT NOTE:</b							

BILL OF MATERIALS

List For	FABRICATION		
JOB-ID	23-14305	SEQ#	01D
Job Name	PO#24-3827 - SHOPS @ JORDAN BLDG A		
Remarks	KSI VALUE - 40KSI (MIN.) REQUIRED		

DECK BOM

Type	1.5" B	GA	22	FINISH	G-60	Top Clr		Cover	36	SQS	133.26
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Top Clr
Bot Clr

Cover 36

2,500

#10-16 x 3/4-in.

#12-24 x 1 1/4-in.

Weld Washers | 14ga. 5/8-in.

ACCESSORY TYPES

