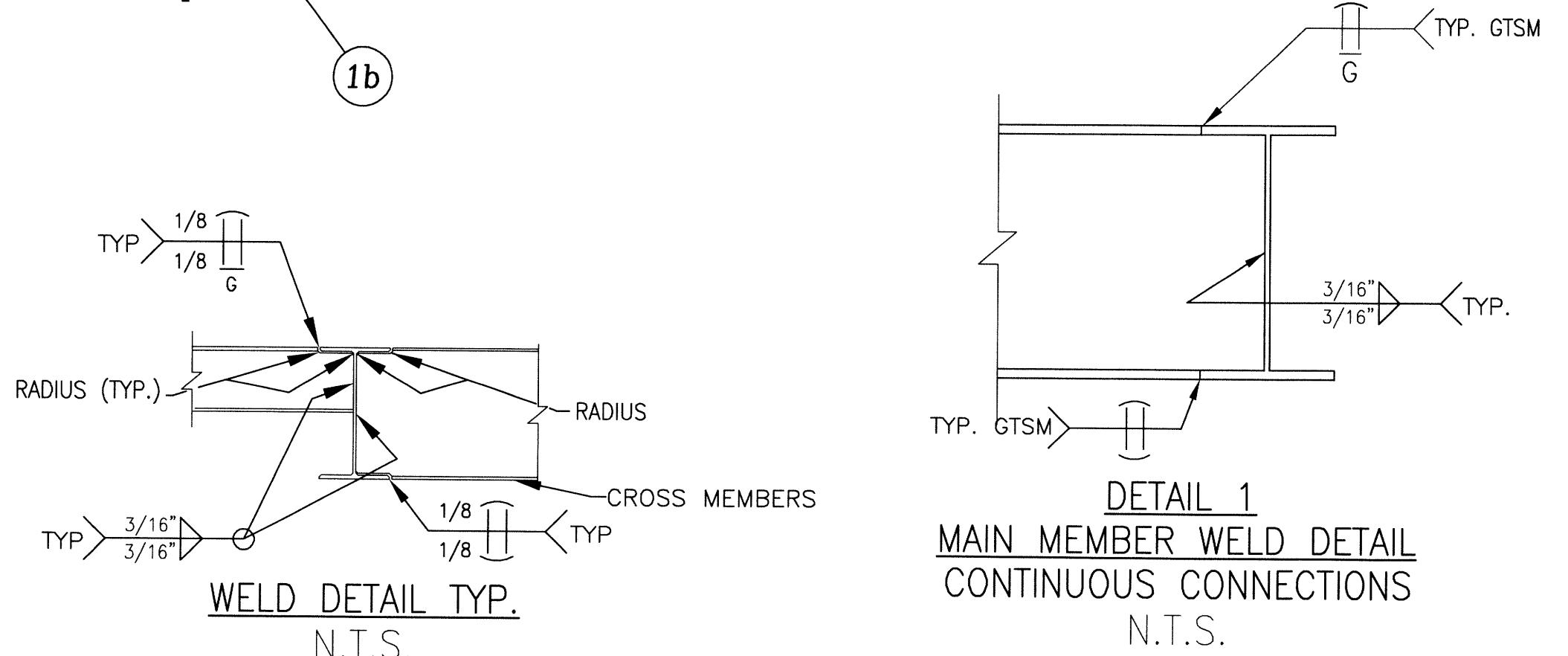
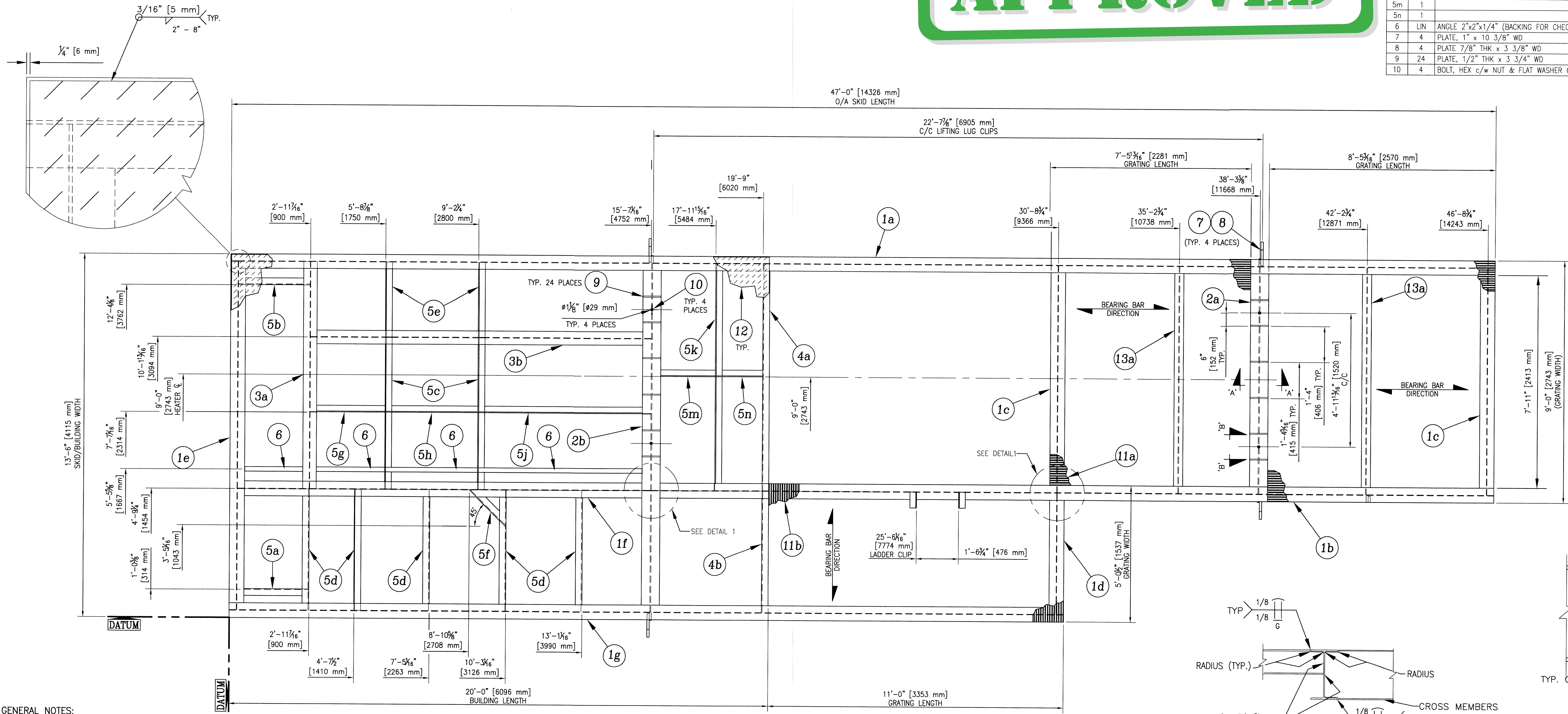


BILL OF MATERIALS					BILL OF MATERIALS				
ITEM	QTY.	DESCRIPTION	MATERIAL REQ.	LENGTH	ITEM	QTY.	DESCRIPTION	MATERIAL REQ.	LENGTH
11	Sq. Ft.	19-W -W SERRATED GRATING 1 1/4" x 3/16" BB	CS	198 ft. ²	1	LIN.	W12x26	G40.21/350W	162'-11 1/8"±
11a	1			67 ft. ²	1a	1			47'-0"
11b	1			56 ft. ²	1b	1			31'-4 5/16"
11c	1			75 ft. ²	1c	2			8'-5 1/4"
12	Sq. Ft.	PLATE, CHECKER, 1/4"	300W	270 ft. ²	1d	1			4'-5 3/4"
13	LIN.	W4x13	G40.21/350W	30'-2 1/8"±	1e	1			12'-11 1/4"
13a	2			8'-5 1/4"	1f	1			15'-3 5/16"
14	12	BOLT, 1"φ	A325	3 1/4"	1g	1			31'-0"
15	LIN.	FLAT BAR 1 1/4" WD x 3/16" THK (GRATING BANDING)	SA-36/G40.21/300W	108'±	2	LIN.	W12x50	G40.21/350W	21'-4 1/2"±
					2a	1			8'-5 1/4"
					2b	1			12'-11 1/4"
					3	LIN.	W6x15	G40.21/350W	21'-1"±
					3a	1			8'-5 1/4"
					3b	1			12'-7 3/4"
					4	LIN.	C12x20.7	SA-36/G40.21/300W	12'-11"±
					4a	1			8'-5 1/4"
					4b	1			4'-5 3/4"
					5	LIN.	ANGLE, 3"x3"x3/8"	SA-36/G40.21/300W	75'-7 1/4"±
					5a	1			2'-7 11/16"
					5b	1			2'-7 15/16"
					5c	2			5'-7 7/16"
					5d	5			4'-5 3/4"
					5e	2			2'-9 9/16"
					5f	1			1'-10 11/16"
					5g	1			2'-9 5/16"
					5h	1			3'-4 15/16"
					5j	1			6'-4 11/16"
					5k	1			8'-5 1/4"
					5m	1			2'-3 15/16"
					5n	1			1'-9 1/16"
6	LIN.	ANGLE 2"x2"x1/4" (BACKING FOR CHECKER PLATE; C.T.S.)	SA-36/G40.21/300W	14'-9"					
7	4	PLATE, 1" x 10 3/8" WD	SA-36/G40.21/300W	10"					
8	4	PLATE 7/8" THK x 3 3/8" WD	SA-36/G40.21/300W	11 3/8"					
9	24	PLATE, 1/2" THK x 3 3/4" WD	SA-36/G40.21/300W	10 3/4"					
10	4	BOLT, HEX c/w NUT & FLAT WASHER CAD PLATED 1 1/8"φ	GR.5	2 3/4" LG					

APPROVED



- GENERAL NOTES:**
- MALONEY INDUSTRIES IS CERTIFIED IN ACCORDANCE WITH CSA W47.1.
 - ALL WELDING SHALL MEET THE REQUIREMENTS OF CSA W59.
 - USE WELDING PROCESSES SMA AND/OR FCA.
 - ALL WELDS ARE TO BE 1/4" [6 mm] CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
 - ALL MAIN MEMBERS TO BE FLUSH WITH T.O.S. UNLESS OTHERWISE NOTED.
 - CHECKER PLATE IS TO BE SEAL WELDED PERIMETER & SEAMS WITH 3/16" [5mm] FILLET WELD & STITCHED 2"-8" [50-200] WITH 3/16" FILLET WELD ON u/s OF CHECKER.
 - ALL SUPPORTS ARE WELDED DIRECTLY TO T.O.S. UNLESS OTHERWISE NOTED; WHERE APPROPRIATE HOLES IN CHECKER WITH MIN. 1/4" [6mm] CLEARANCE ALL ROUND TO ACCOMMODATE SUPPORT.
 - ALL GRATING IS TO BE HOT DIPPED GALVANIZED.
 - ALL CUT EDGES OF GRATING TO BE BANNED.
 - TACK WELD (3 SIDES)/SEAL WELD WITH 1/8" FILLET MAX. ALL NUTS TO u/s OF BEAM FLANGE & NOTCH BEAM TO SUIT. (SEE DETAIL)
 - SKID INSIDE OF BUILDING TO BE COVERED WITH CHECKER PLATE.
 - WALKWAY TO BE COVERED WITH SERRATED GRATING.
 - SKID WEIGHT: 21,600 lb. [9798 kg.]

REV	DESCRIPTION	DATE	BY	CHK	APP	ADMIN
0	ISSUED FOR CONSTRUCTION	08-08-05	KHH	PAT	AN	-
A	ISSUE FOR APPROVAL	08-06-18	KHH	PAT	AN	-

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CUSTOMER		TITLE	
Z-4000-LINE HEATER PACKAGE		STRUCTURAL SKID LAYOUT	
PROJECT # AND NAME BCO127-004-HORSESHOE-WELLSITE		SCALE AS SHOWN	
DRAWN KHH	DATE 08-06-18	APPROVED	WIP NO. 015490-71
NO. RECD 1	DRAWING NO. 015490-4-71	SHT. NO. 1 of 2	REV. 0