

8

7

6

5

4

3

2

1

BILL OF MATERIAL						
ITEM NO.	Qty	Description	MFG	MFG P/N	PROTON P/N	Notes
1	12 ft	Cable, 4 Cond., 22 AWG, 300V	Alpha Wire	1174C	10-0101-0046	
2	24 ft	Cable, 2 Cond., Unshielded, 22 AWG, 300V, 80°C	Alpha Wire	1172C	10-0100-0004	
3	1	STRAIN RELIEF, 1-1/4" NPT, IP68, 13 CABLE	HEYCO	M4524GBM-SM	08-0102-0125	
4	20	Ferrule, Insulated, 22 AWG	ALTECH	2623.0/100	08-0101-0041	
5	2	CABLE, POWER, 4 COND, M8 TO LEADS, 5M	SIEMENS	6ES7194-2LH50-1AC0	10-0301-0053	MOD
6	2	Terminal, Ring, 22-18AWG,#8 SCR, Insulation, Red	Thomas & Betts	TV18-8R	08-0101-0048	FSW250
7	2	CONNECTOR, DELPHI, 4P, FEMALE, BLK	DELPHI	12015798	08-0102-0098	RS209, RS507
8	8	SOCKET, DELPHI, 22 AWG, CABLE RANGE 0.35MM	DELPHI	12020801	08-0101-0059	RS209, RS507
9	8	WIRE SEAL, DELPHI, 22 AWG, CABLE DIA 1.29-1.7MM, DK RED	DELPHI	15324983	08-0102-0100	RS209, RS507
10	8	FERRULE, 20 AWG, INSULATED, 6MM BARREL, ORANGE	ALTECH	2397.0/100	08-0101-0076	MOD
11	2	CABLE, 3 COND, M12 FEMALE TO LEADS, 5M	MURR	7000-12181-2130500		SV651, SV652
12	1	CABLE, 4 COND, M12 MALE TO LEADS, 5M	MURR	7000-12021-2140500		M2

9

Cut back unused wire

8

Remove 8 in. of jacket, seal jacket end with 1 in. shrink tubing

7

Remove 3.5 in. of jacket, seal jacket end with 1 in. shrink tubing

6

Remove 7 in. of jacket, seal jacket end with 1 in. shrink tubing

5

Remove 1.5 in. of jacket, seal jacket end with 1 in. shrink tubing

4

Mark per drawing number and latest revision

3

Harness must successfully pass point to point continuity test

2

Locate and attach labels with heat shrink tubing (use white on black or black on white) either to one end or both ends approximately as shown using reference designators as provided.

1

Lengths are measured at connector ends to reference points.

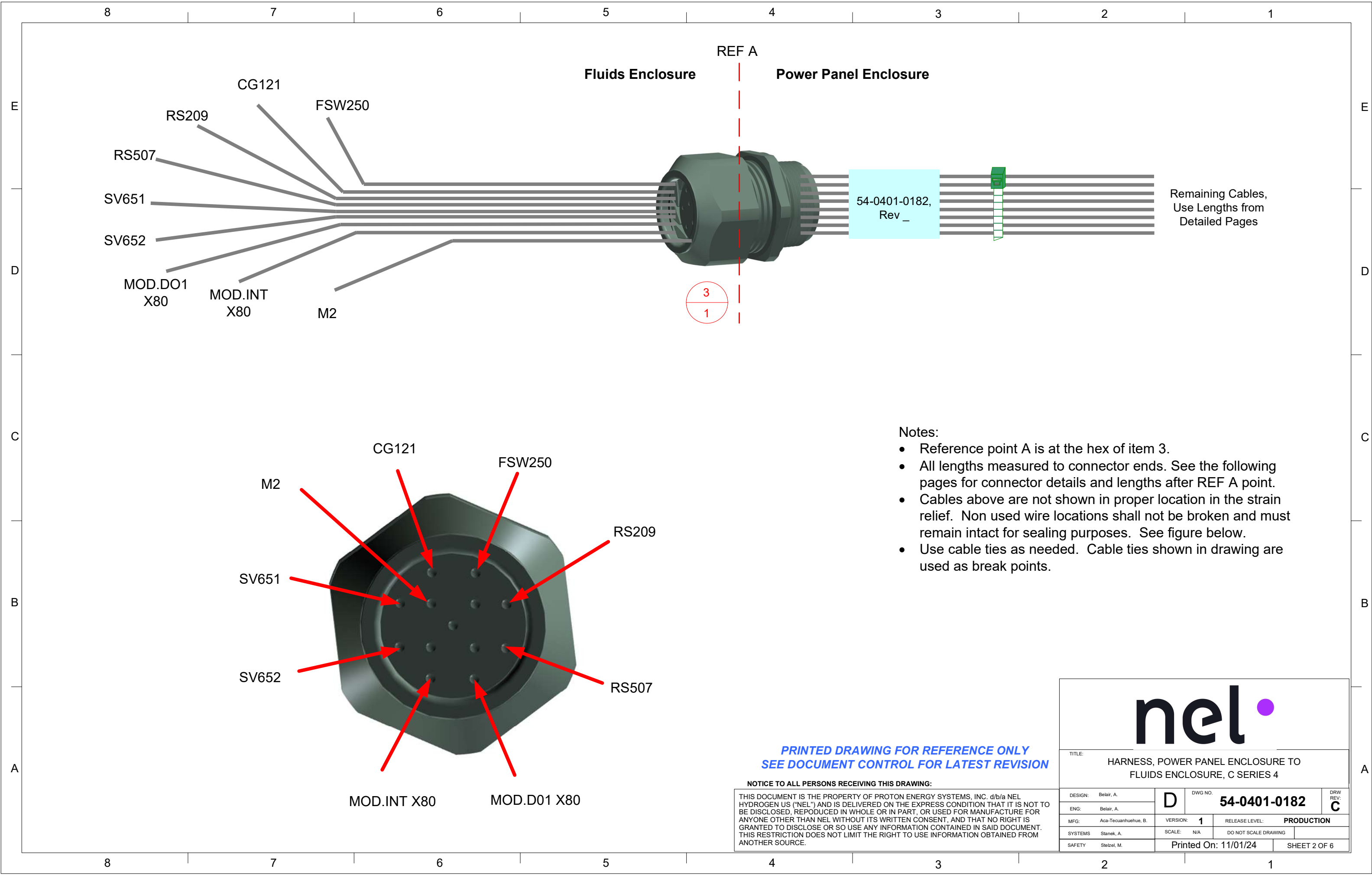
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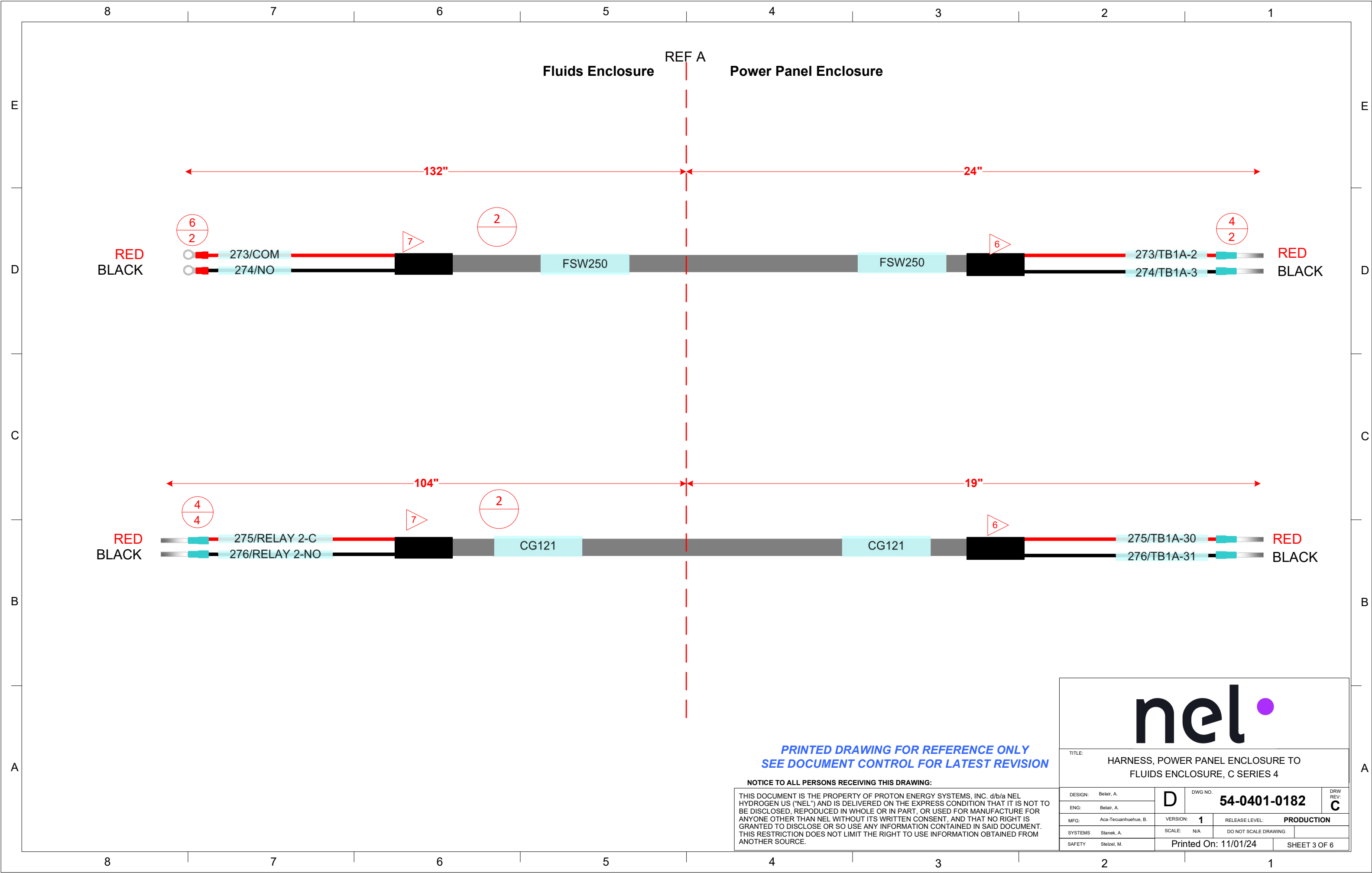
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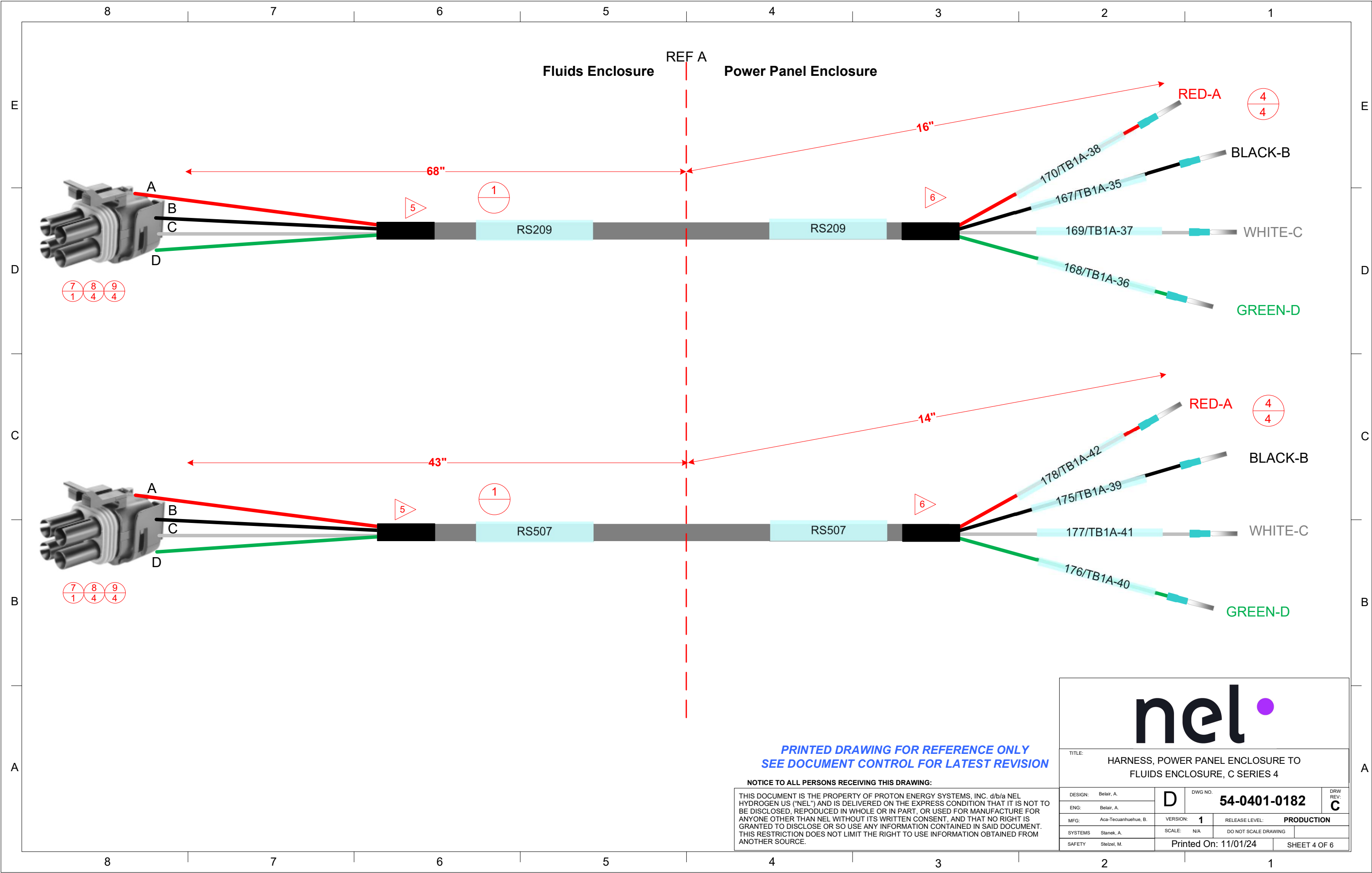
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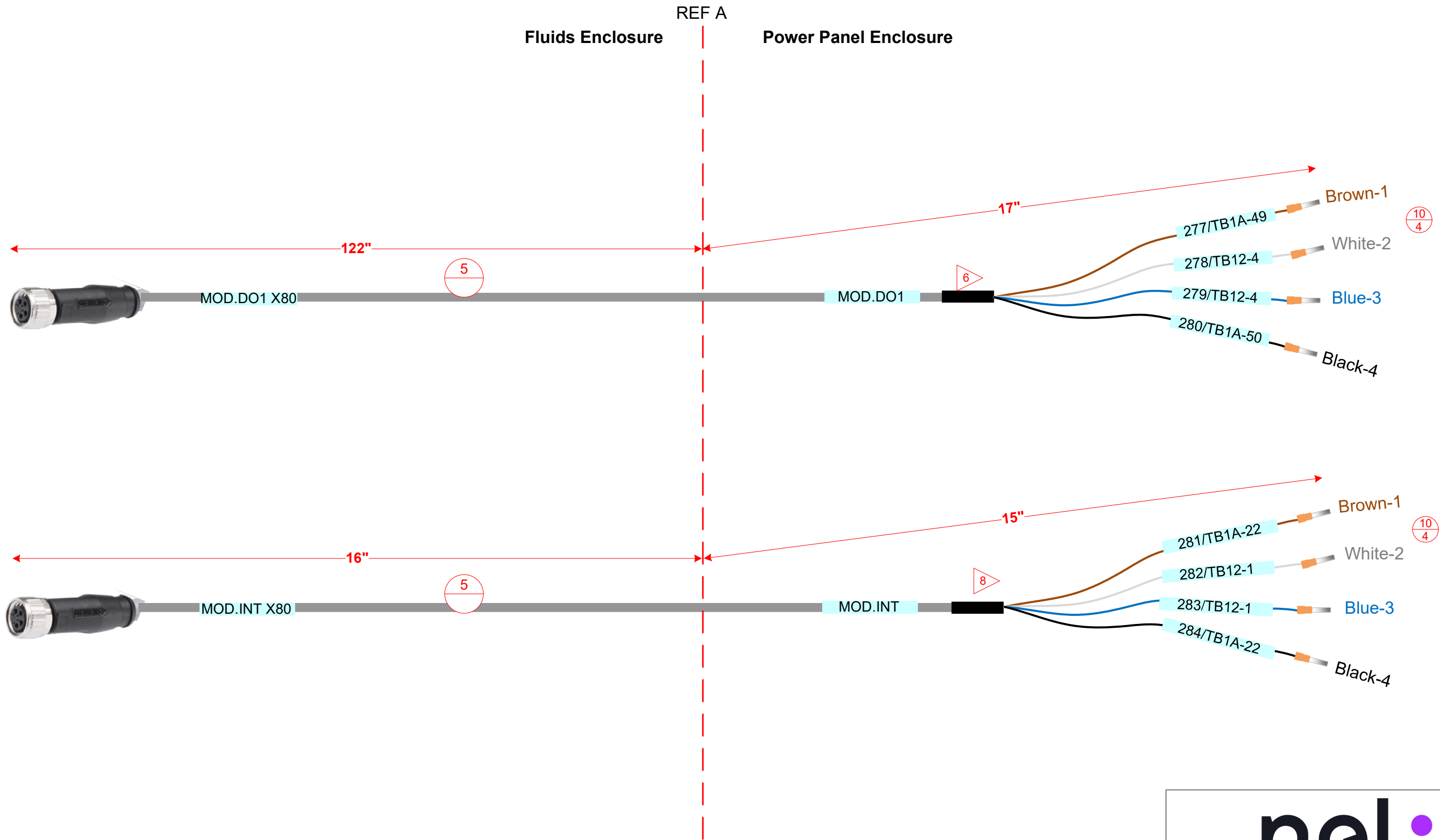
DESIGN: Belair, A.		D	DWG NO. 54-0401-0182	DRW REV: C
ENG: Belair, A.				
MFG: Aca-Tecuanhuehue, B.	VERSION: 1	RELEASE LEVEL: PRODUCTION		
SYSTEMS Stanek, A.	SCALE: N/A	DO NOT SCALE DRAWING		
SAFETY Stetzel, M.	Printed On: 11/01/24		SHEET 1 OF 6	

REV	DATE	CRP	REVISIONS	INITIAL
Rev A	1/17/2024	013279	Initial release	AWB
Rev B	4/24/2024	013380	Update BOM And Cables Length	Jl
Rev C	11/1/2024	013638	Update terminal location for wire 284	AWB



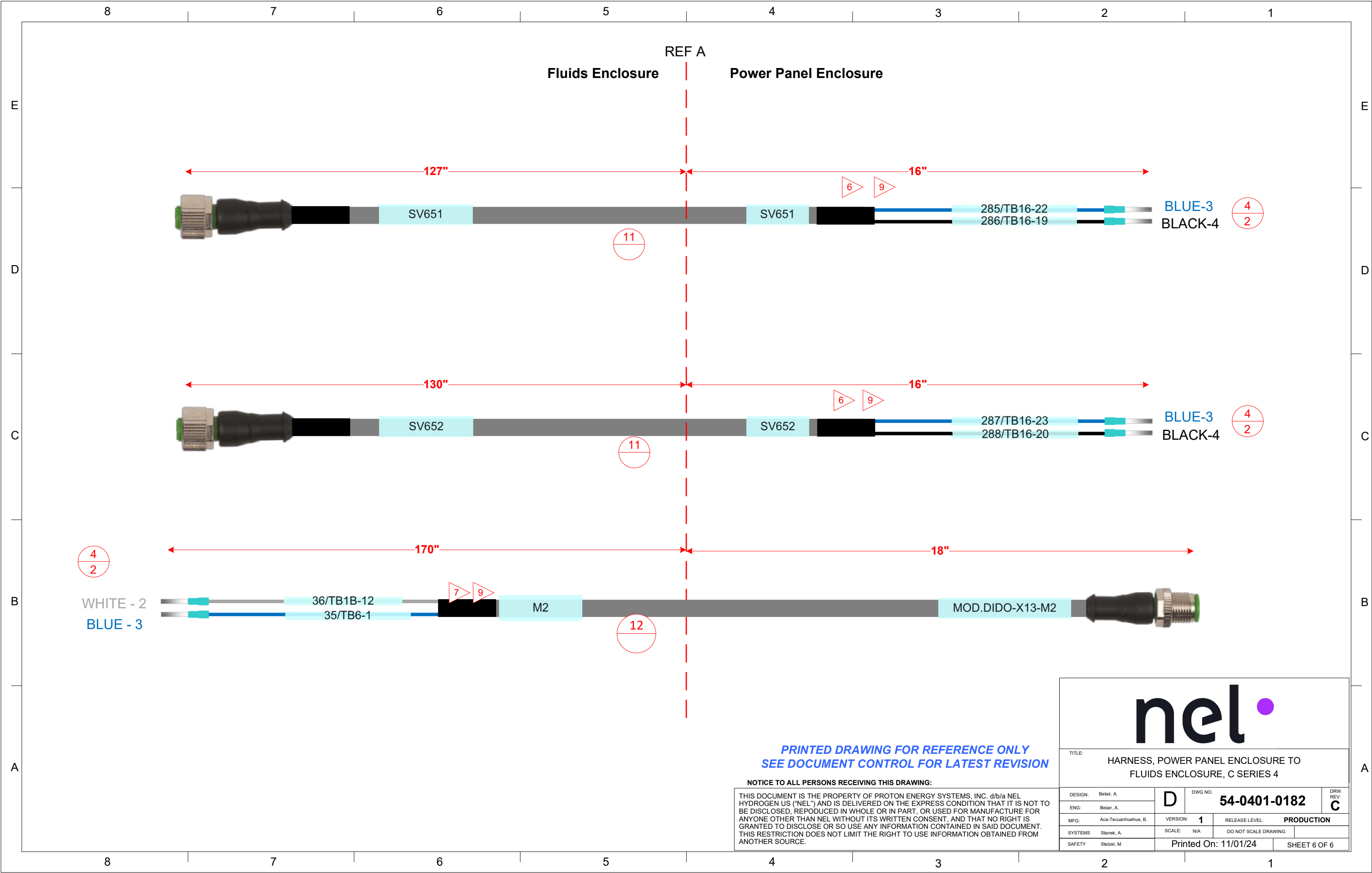






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DESIGN:	Belair, A.	D	DWG NO. 54-0401-0182		DRW REV: C
ENG:	Belair, A.				
MFG:	Aca-Tecuanhuehue, B.	VERSION:	1	RELEASE LEVEL:	PRODUCTION
SYSTEMS	Stanek, A.	SCALE:	N/A	DO NOT SCALE DRAWING	
SAFETY	Steitzel, M.	Printed On: 11/01/24		SHEET 5 OF 6	



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TITLE: HARNESS, POWER PANEL ENCLOSURE TO FLUIDS ENCLOSURE, C SERIES 4			
DESIGN: Belair, A.	D	DWG NO. 54-0401-0182	DRW REV: C
ENG: Belair, A.			
MFG: Aca-Tecuanhuehue, B.	VERSION: 1	RELEASE LEVEL: PRODUCTION	
SYSTEMS: Stanek, A.	SCALE: N/A	DO NOT SCALE DRAWING	
SAFETY: Stelzel, M.	Printed On: 11/01/24		SHEET 6 OF 6