GRIP TRUCK PREP & WRAP CHECKLIST · 1/2-TON VAN

DEMI NEXUS (76 PIECES · KPT-S1Z0T-005)

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
normsstudio.equipment/rigging-calculators

Production: _____ **Key Grip / BBG:** _____ **Prep Date:** _____ **Wrap Date:** _____

Package Role: Sprinter / Cargo Van · Indie & Commercial Run-and-Gun · **Line Items:** 43 · **Replacement Link:** normsstudio.equipment/shop/kpt-s1z0t-005-demi-nexus-1-2-ton-grip-equipment-loadout-691

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	3x	**C-Stand 40" Heavy-Duty Pro | Sliding Leg Kit**	GST-CSZSC-2S5	Kits
☐	☐	1x	**C-Stand 40" Heavy-Duty Pro | Breakdown Turtle Base Kit**	GST-CSZSC-2T5	Kits
☐	☐	1x	**C-Stand 20" Heavy-Duty Compact Kit with Sliding Leg Base**	GST-CSZCC-2S5	Kits
☐	☐	2x	**2-1/2" Grip Head**	GSA-GAPRX-212	Grip Heads
☐	☐	1x	**Extension Arm - 40"**	GSA-EXZAX-400	Extension Arms
☐	☐	1x	**Extension Arm - 30"**	GSA-EXZAX-300	Extension Arms
☐	☐	1x	**Extension Arm - 20"**	GSA-EXZAX-200	Extension Arms
☐	☐	7x	**20 Lbs Saddle Sandbag**	SSB-SBBAS-020	Saddle Sandbags
☐	☐	1x	**C-Stand Boom Arm with Dual Grip Head Fulcrum (40" Extension)**	BAB-CZXES-000	Booms
☐	☐	1x	**12" Fixed Baby Offset Arm (5/8" Pin to 5/8" Receiver)**	BAA-FZRBT-100	Fixed Offset Arms
☐	☐	2x	**Stand Adapter**	HPA-P118P-058	Adapters & Pins
☐	☐	1x	**Norms Pin**	HPA-P058P-038	Adapters & Pins
☐	☐	2x	**End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)**	HCL-LXAXE-002	Clamps
☐	☐	2x	**Heavy-Duty Super V-Clamp with 5/8" Hex Receiver & Wedge**	HCL-MVKTS-000	Clamps
☐	☐	1x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXB-004	Clamps
☐	☐	2x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-P058I-300	Wall Plates
☐	☐	2x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-012	Clamps
☐	☐	1x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-R058X-000	Wall Plates
☐	☐	4x	**Drop Ceiling Clip**	HMS-CPDBP-000	Misc Mounting Hardware
☐	☐	3x	**1-1/2" Grid Clamp**	RGC-BPZTH-112	Grid Clamps
☐	☐	1x	**Apple Boxes**	WPL-ABA00-100	Wood Leveling
☐	☐	1x	**Apple Boxes**	WPL-ABA00-012	Wood Leveling
☐	☐	1x	**Apple Boxes**	WPL-ABA00-014	Wood Leveling
☐	☐	1x	**Apple Boxes**	WPL-ABA00-018	Wood Leveling
☐	☐	2x	**24" x 36" Black Solid Flag (Commando Cloth)**	LFC-1824D-V08	Flag Frame
☐	☐	1x	**Black Single Net Scrim Frame**	LFP-1824N-V01	Net Scrim Frame
☐	☐	1x	**Black Double Net Scrim Frame**	LFP-1824N-V02	Net Scrim Frame
☐	☐	1x	**White Poly Silk Frame**	LFP-1824K-W05	Silk Frame
☐	☐	2x	**24" x 36" Black Solid Flag (Commando Cloth)**	LFC-2436D-V08	Flag Frame
☐	☐	1x	**Black Single Net Scrim Frame**	LFP-2436N-V01	Net Scrim Frame

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	**Black Double Net Scrim Frame**	LFP-2436N-V02	Net Scrim Frame
☐	☐	1x	**White Poly Silk Frame**	LFP-2436K-W05	Silk Frame
☐	☐	3x	**Gel Frame**	LFG-1824X-M00	Gel Frames
☐	☐	2x	**Gel Frame**	LFG-2436X-M00	Gel Frames
☐	☐	1x	**4' x 4' Butterfly Frame Kit for 3/4" Square Tube**	FHF-4ZBHX-034	Butterfly Kits - 3/4" Square Tube
☐	☐	1x	**6' x 6' Butterfly Frame Kit for 3/4" Square Tube**	FHF-6ZBHX-034	Butterfly Kits - 3/4" Square Tube
☐	☐	1x	**Black Solid Rags**	LRG-4040D-V08	Solid Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-4040A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-6060D-V08	Solid Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-6060A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Bead Board Holder**	LRH-HB00C-000	Board Holder
☐	☐	5x	**Grip Clips w/ Rubber Tip**	TL-GGXART-200	Grip Clips
☐	☐	5x	**Grip Clips w/ Rubber Tip**	TL-GGXART-100	Grip Clips

GRIP TRUCK PREP & WRAP CHECKLIST · 1-TON SPRINTER

LUMINUS PRIME (163 PIECES · KPT-S1Z0T-010)

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
normsstudio.equipment/rigging-calculators

Production: _____ **Key Grip / BBG:** _____ **Prep Date:** _____ **Wrap Date:** _____

Package Role: 1-Ton Extended Sprinter / Small Box · Core Combo & 8×8/12×12 · **Line Items:** 77 · **Replacement Link:** normsstudio.equipment/shop/kpt-s1z0t-010-luminus-prime-1-ton-grip-equipment-loadout-694

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	8x	**C-Stand 40" Heavy-Duty Pro | Sliding Leg Kit**	GST-CSZSC-2S5	Kits
☐	☐	2x	**C-Stand 20" Heavy-Duty Compact Kit with Sliding Leg Base**	GST-CSZCC-2S5	Kits
☐	☐	2x	**Big Low Boy Combo Walker Stand 2R with Leveling Leg Steel - 1" Leg**	GST-SSZTL-2W1	Low Combo Stands
☐	☐	3x	**Sky Grip Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg**	GST-HSZGS-3W1	Grip Stands
☐	☐	3x	**Hefty Baby Walker Stand 3R with Leveling Leg - 3/4" Leg**	GST-LSZHH-3W3	Hefty Baby Stands
☐	☐	2x	**Wheel Adapter - Set of 3**	GSA-WXZSH-034	Wheel Adapters
☐	☐	2x	**Wheel Adapter - Set of 3**	GSA-WXZSH-010	Wheel Adapters
☐	☐	2x	**4" Grip Head with 1-1/8" Junior Pin - Lollipop**	GSA-GAPLJ-400	Grip Heads
☐	☐	3x	**2-1/2" Grip Head**	GSA-GAPRX-212	Grip Heads
☐	☐	2x	**Extension Arm - 40"**	GSA-EXZAX-400	Extension Arms
☐	☐	2x	**Extension Arm - 30"**	GSA-EXZAX-300	Extension Arms
☐	☐	2x	**Extension Arm - 20"**	GSA-EXZAX-200	Extension Arms
☐	☐	10x	**20 Lbs Saddle Sandbag**	SSB-SBBAS-020	Saddle Sandbags
☐	☐	5x	**35 Lbs Saddle Sandbag**	SSB-SBBAS-035	Saddle Sandbags
☐	☐	1x	**12" Fixed Baby Offset Arm (5/8" Pin to 5/8" Receiver)**	BAA-FZRBT-100	Fixed Offset Arms
☐	☐	1x	**18" Fixed Junior Offset Arm (1-1/8" Pin to 1-1/8" Receiver)**	BAA-FZRJT-100	Fixed Offset Arms
☐	☐	2x	**Stand Adapter**	HPA-P118P-058	Adapters & Pins
☐	☐	2x	**Norms Pin**	HPA-P058P-038	Adapters & Pins
☐	☐	2x	**5/8" Baby Pin**	HPA-P058T-038	Adapters & Pins
☐	☐	2x	**End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)**	HCL-LXAXE-002	Clamps
☐	☐	2x	**End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)**	HCL-LXAXC-002	Clamps
☐	☐	2x	**Heavy-Duty Super V-Clamp with 5/8" Hex Receiver & Wedge**	HCL-MVKTS-000	Clamps
☐	☐	1x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXB-004	Clamps
☐	☐	2x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXB-006	Clamps
☐	☐	1x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXB-008	Clamps
☐	☐	2x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-P058I-300	Wall Plates
☐	☐	1x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-P058I-600	Wall Plates
☐	☐	1x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-006	Clamps
☐	☐	2x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-012	Clamps
☐	☐	2x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-018	Clamps

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-R058X-000	Wall Plates
☐	☐	4x	Drop Ceiling Clip	HMS-CPDHK-000	Misc Mounting Hardware
☐	☐	4x	Drop Ceiling Clip	HMS-CPDBP-000	Misc Mounting Hardware
☐	☐	2x	Pipe Hanger Clamp	RPH-HKXBP-000	Pipe Hangers
☐	☐	2x	Putty Knife with 5/8" Baby Pin	HMS-PKXBP-114	Misc Mounting Hardware
☐	☐	2x	Locking Chain Vise Grip Clamp with Dual 5/8" Baby Pins (20" Chain)	HMS-CVXBP-000	Misc Mounting Hardware
☐	☐	1x	Junior Wall Plate with 1-1/8" Receiver (Junior Pigeon Plate)	HWP-R118X-000	Wall Plates
☐	☐	1x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-006	Clamps
☐	☐	1x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-008	Clamps
☐	☐	2x	1-1/2" Grid Clamp	RGC-BPZSH-112	Grid Clamps
☐	☐	2x	1-1/2" Grid Clamp	RGC-JPZSH-112	Grid Clamps
☐	☐	3x	Apple Boxes	WPL-ABA00-100	Wood Leveling
☐	☐	3x	Apple Boxes	WPL-ABA00-012	Wood Leveling
☐	☐	3x	Apple Boxes	WPL-ABA00-014	Wood Leveling
☐	☐	3x	Apple Boxes	WPL-ABA00-018	Wood Leveling
☐	☐	2x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-1824D-V08	Flag Frame
☐	☐	1x	Black Single Net Scrim Frame	LFP-1824N-V01	Net Scrim Frame
☐	☐	1x	Black Double Net Scrim Frame	LFP-1824N-V02	Net Scrim Frame
☐	☐	1x	White Poly Silk Frame	LFP-1824K-W05	Silk Frame
☐	☐	3x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-2436D-V08	Flag Frame
☐	☐	1x	Black Single Net Scrim Frame	LFP-2436N-V01	Net Scrim Frame
☐	☐	1x	Black Double Net Scrim Frame	LFP-2436N-V02	Net Scrim Frame
☐	☐	2x	White Poly Silk Frame	LFP-2436K-W05	Silk Frame
☐	☐	1x	Black Single Net Scrim Frame	LFC-4848N-V01	Net Scrim Frame
☐	☐	1x	Black Double Net Scrim Frame	LFC-4848N-V02	Net Scrim Frame
☐	☐	1x	White Poly Silk Frame	LFC-4848K-W05	Silk Frame
☐	☐	2x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-4848D-V08	Flag Frame
☐	☐	3x	48" x 48" Black Solid Floppy Flag (Expands to 48"x96")	LFF-4848D-V08	Floppy Frame
☐	☐	3x	Gel Frame	LFG-1824X-M00	Gel Frames
☐	☐	2x	Gel Frame	LFG-2436X-M00	Gel Frames
☐	☐	1x	6' x 6' Butterfly Frame Kit for 3/4" Square Tube	FHF-6ZBHX-034	Butterfly Kits - 3/4" Square Tube
☐	☐	1x	8' x 8' Overhead Frame Kit for 1" Square Tube - With Bag	FHF-8ZRTB-100	Overhead Kits - 1" Square Tube

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	**Black Solid Rags**	LRG-6060D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-6060N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-6060N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-6060K-W05	Silk Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-6060A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-8080D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-8080N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-8080N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-8080K-W05	Silk Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-8080A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Foam Core Holder w/ Swivel Joint**	LRH-HF00C-000	Board Holder
☐	☐	2x	**Bead Board Holder**	LRH-HB00C-000	Board Holder
☐	☐	5x	**Grip Clips w/ Rubber Tip**	TL-GGXART-300	Grip Clips
☐	☐	5x	**Grip Clips w/ Rubber Tip**	TL-GGXART-200	Grip Clips
☐	☐	5x	**Grip Clips w/ Rubber Tip**	TL-GGXART-100	Grip Clips

GRIP TRUCK PREP & WRAP CHECKLIST · 2-TON CUTAWAY

TWIN BASTION (215 PIECES · KPT-S1Z0T-020)

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
normsstudio.equipment/rigging-calculators

Production: _____ **Key Grip / BBG:** _____ **Prep Date:** _____ **Wrap Date:** _____

Package Role: 2-Ton Cutaway Box Truck · Multi-Combo, High Rollers & Carts · **Line Items:** 97 · **Replacement Link:** normsstudio.equipment/shop/kpt-s1z0t-020-twin-bastion-2-ton-grip-equipment-loadout-695

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	10x	**C-Stand 40" Heavy-Duty Pro | Sliding Leg Kit**	GST-CSZSC-2S5	Kits
☐	☐	2x	**C-Stand 40" Heavy-Duty Pro | Spring Load Turtle Base Kit**	GST-CSZSC-2L5	Kits
☐	☐	2x	**C-Stand 20" Heavy-Duty Compact Kit with Sliding Leg Base**	GST-CSZCC-2S5	Kits
☐	☐	2x	**Big Low Boy Combo Walker Stand 2R with Leveling Leg Steel - 1" Leg**	GST-SSZTL-2W1	Low Combo Stands
☐	☐	3x	**Sky High Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg**	GST-SSZTS-3W1	Sky Combo Stands
☐	☐	2x	**Sky Grip Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg**	GST-HSZGS-3W1	Grip Stands
☐	☐	3x	**Hefty Baby Walker Stand 3R with Leveling Leg - 3/4" Leg**	GST-LSZHH-3W3	Hefty Baby Stands
☐	☐	2x	**16' Sky High Roller Stand 3R with Leveling Leg Steel - 1" Leg**	GST-HSZMS-3R1	High Roller Stands
☐	☐	2x	**Wheel Adapter - Set of 3**	GSA-WXZSH-034	Wheel Adapters
☐	☐	3x	**Wheel Adapter - Set of 3**	GSA-WXZSH-010	Wheel Adapters
☐	☐	2x	**4" Grip Head with 1-1/8" Junior Pin - Lollipop**	GSA-GAPLJ-400	Grip Heads
☐	☐	3x	**2-1/2" Grip Head**	GSA-GAPRX-212	Grip Heads
☐	☐	4x	**Extension Arm - 40"**	GSA-EXZAX-400	Extension Arms
☐	☐	2x	**Extension Arm - 30"**	GSA-EXZAX-300	Extension Arms
☐	☐	2x	**Extension Arm - 20"**	GSA-EXZAX-200	Extension Arms
☐	☐	10x	**20 Lbs Saddle Sandbag**	SSB-SBBAS-020	Saddle Sandbags
☐	☐	5x	**35 Lbs Saddle Sandbag**	SSB-SBBAS-035	Saddle Sandbags
☐	☐	1x	**12" Fixed Baby Offset Arm (5/8" Pin to 5/8" Receiver)**	BAA-FZRBT-100	Fixed Offset Arms
☐	☐	1x	**18" Fixed Junior Offset Arm (1-1/8" Pin to 1-1/8" Receiver)**	BAA-FZRJT-100	Fixed Offset Arms
☐	☐	3x	**Stand Adapter**	HPA-P118P-058	Adapters & Pins
☐	☐	3x	**Big Bale Block (TVMP)**	HPA-P118A-012	Adapters & Pins
☐	☐	2x	**Norms Pin**	HPA-P058P-038	Adapters & Pins
☐	☐	1x	**5/8" Baby Pin**	HPA-P058T-014	Adapters & Pins
☐	☐	2x	**End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)**	HCL-LXAXE-002	Clamps
☐	☐	2x	**End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)**	HCL-LXAXC-002	Clamps
☐	☐	2x	**Heavy-Duty Super V-Clamp with 5/8" Hex Receiver & Wedge**	HCL-MVKTS-000	Clamps
☐	☐	2x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXB-006	Clamps
☐	☐	2x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXB-008	Clamps
☐	☐	2x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-P058I-300	Wall Plates

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-P058I-600	Wall Plates
☐	☐	1x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-G900X-000	Wall Plates
☐	☐	1x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-006	Clamps
☐	☐	2x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-012	Clamps
☐	☐	2x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-018	Clamps
☐	☐	4x	Drop Ceiling Clip	HMS-CPDHK-000	Misc Mounting Hardware
☐	☐	4x	Drop Ceiling Clip	HMS-CPDBP-000	Misc Mounting Hardware
☐	☐	2x	Pipe Hanger Clamp	RPH-HKXBP-000	Pipe Hangers
☐	☐	2x	Putty Knife with 5/8" Baby Pin	HMS-PKXBP-114	Misc Mounting Hardware
☐	☐	2x	Locking Chain Vise Grip Clamp with Dual 5/8" Baby Pins (20" Chain)	HMS-CVXBP-000	Misc Mounting Hardware
☐	☐	2x	Junior Wall Plate with 1-1/8" Receiver (Junior Pigeon Plate)	HWP-R118X-000	Wall Plates
☐	☐	1x	FHF-1ZDTB-100	False	All
☐	☐	1x	42" x 42" Reflector Box	WPB-RBA42-2PL	Storage Box
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-006	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-008	Clamps
☐	☐	1x	Pipe Hanger Clamp	RPH-HKXJR-000	Pipe Hangers
☐	☐	2x	1-1/2" Grid Clamp	RGC-JRZTH-112	Grid Clamps
☐	☐	2x	1-1/2" Grid Clamp	RGC-JPZTH-112	Grid Clamps
☐	☐	3x	1-1/2" Grid Clamp	RGC-BPZTH-112	Grid Clamps
☐	☐	2x	1-1/2" Grid Clamp	RGC-EAZTH-112	Grid Clamps
☐	☐	2x	1-1/2" Swivel Cheeseborough Clamp (Dual Speed-Rail Coupler)	RGC-FDZXX-112	Grid Clamps
☐	☐	2x	1-1/2" Swivel Cheeseborough Clamp (Dual Speed-Rail Coupler)	RGC-SVZAX-112	Grid Clamps
☐	☐	3x	Apple Boxes	WPL-ABA00-100	Wood Leveling
☐	☐	3x	Apple Boxes	WPL-ABA00-012	Wood Leveling
☐	☐	3x	Apple Boxes	WPL-ABA00-014	Wood Leveling
☐	☐	3x	Apple Boxes	WPL-ABA00-018	Wood Leveling
☐	☐	1x	Track Wedge 2" x 4" x 12" - Set of 80	WPL-WTA80-012	Wood Leveling
☐	☐	2x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-1824D-V08	Flag Frame
☐	☐	1x	Black Single Net Scrim Frame	LFP-1824N-V01	Net Scrim Frame
☐	☐	1x	Black Double Net Scrim Frame	LFP-1824N-V02	Net Scrim Frame
☐	☐	1x	White Poly Silk Frame	LFP-1824K-W05	Silk Frame
☐	☐	2x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-2436D-V08	Flag Frame
☐	☐	1x	Black Single Net Scrim Frame	LFP-2436N-V01	Net Scrim Frame
☐	☐	1x	Black Double Net Scrim Frame	LFP-2436N-V02	Net Scrim Frame
☐	☐	1x	White Poly Silk Frame	LFP-2436K-W05	Silk Frame

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	**Black Single Net Scrim Frame**	LFC-4848N-V01	Net Scrim Frame
☐	☐	1x	**Black Double Net Scrim Frame**	LFC-4848N-V02	Net Scrim Frame
☐	☐	1x	**White Poly Silk Frame**	LFC-4848K-W05	Silk Frame
☐	☐	1x	**Black and White Claycoat Frame**	LFC-4848A-C00	Sail & Grid Cloth Frame
☐	☐	4x	**48" x 48" Black Solid Floppy Flag (Expands to 48"x96")**	LFF-4848D-V08	Floppy Frame
☐	☐	2x	**Gel Frame**	LFG-1824X-M00	Gel Frames
☐	☐	2x	**Gel Frame**	LFG-2436X-M00	Gel Frames
☐	☐	2x	**Gel Frame**	LFG-4848X-M00	Gel Frames
☐	☐	1x	**6' x 6' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-6ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**8' x 8' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-8ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**Black Solid Rags**	LRG-6060D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-6060N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-6060N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-6060K-W05	Silk Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-6060A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-8080D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-8080N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-8080N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-8080K-W05	Silk Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-8080A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Bleached Muslin Rag**	LRG-8080M-W00	Muslin Rags
☐	☐	1x	**Black Single Net Rag**	LRG-1212N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-1212N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-1212K-W05	Silk Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-1212A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-1212D-V08	Solid Rags
☐	☐	2x	**Foam Core Holder w/ Swivel Joint**	LRH-HF00C-000	Board Holder
☐	☐	3x	**Bead Board Holder**	LRH-HB00C-000	Board Holder
☐	☐	2x	**42" x 42" Reflector Board**	LRH-RRSSC-042	Reflector Board
☐	☐	8x	**Grip Clips w/ Rubber Tip**	TL-GGXART-300	Grip Clips
☐	☐	10x	**Grip Clips w/ Rubber Tip**	TL-GGXART-200	Grip Clips
☐	☐	10x	**Grip Clips w/ Rubber Tip**	TL-GGXART-100	Grip Clips
☐	☐	1x	**12' x 12' Breakdown to 6' x 6' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-1ZDTB-100	Overhead Kits - 1" Square Tube

GRIP TRUCK PREP & WRAP CHECKLIST · 3-TON NON-CDL

TRI RADIANT FORGE (359 PIECES · KPT-S1Z0T-030)

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
normsstudio.equipment/rigging-calculators

Production: _____ **Key Grip / BBG:** _____ **Prep Date:** _____ **Wrap Date:** _____

Package Role: 3-Ton Non-CDL 18ft Box Truck (<26,000 lb GVWR) · Episodic TV & Features · **Line Items:** 133 · **Replacement Link:** normsstudio.equipment/shop/kpt-s1z0t-030-tri-radiant-forge-3-ton-grip-equipment-loadout-697

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	12x	**C-Stand 40" Heavy-Duty Pro | Sliding Leg Kit**	GST-CSZSC-2S5	Kits
☐	☐	2x	**C-Stand 40" Heavy-Duty Pro | Spring Load Turtle Base Kit**	GST-CSZSC-2L5	Kits
☐	☐	2x	**C-Stand 20" Heavy-Duty Compact Kit with Sliding Leg Base**	GST-CSZCC-2S5	Kits
☐	☐	2x	**Big Low Boy Combo Walker Stand 2R with Leveling Leg Steel - 1" Leg**	GST-SSZTL-2W1	Low Combo Stands
☐	☐	2x	**Sky High Combo Walker Stand 2R with Leveling Leg Steel - 1" Leg**	GST-SSZTS-2W1	Sky Combo Stands
☐	☐	3x	**Sky High Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg**	GST-SSZTS-3W1	Sky Combo Stands
☐	☐	2x	**Sky Grip Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg**	GST-HSZGS-3W1	Grip Stands
☐	☐	4x	**Hefty Baby Walker Stand 3R with Leveling Leg - 3/4" Leg**	GST-LSZHH-3W3	Hefty Baby Stands
☐	☐	4x	**Hefty Baby Walker Stand 2R with Leveling Leg - 3/4" Leg**	GST-LSZHH-2W3	Hefty Baby Stands
☐	☐	2x	**Mini Hefty Baby Walker Stand 2R with Leveling Leg Steel - 3/4" Leg**	GST-LSZHP-2W3	Baby Stands
☐	☐	2x	**18' High Roller Stand 3R with Leveling Leg Steel - 1" Leg**	GST-HSZMT-3R1	High Roller Stands
☐	☐	2x	**Wheel Adapter - Set of 3**	GSA-WXZSH-034	Wheel Adapters
☐	☐	4x	**Wheel Adapter - Set of 3**	GSA-WXZSH-010	Wheel Adapters
☐	☐	2x	**Wheel Adapter - Set of 3**	GSA-WXZSH-114	Wheel Adapters
☐	☐	5x	**4" Grip Head with 1-1/8" Junior Pin - Lollipop**	GSA-GAPLJ-400	Grip Heads
☐	☐	6x	**2-1/2" Grip Head**	GSA-GAPRX-212	Grip Heads
☐	☐	4x	**Extension Arm - 40"**	GSA-EXZAX-400	Extension Arms
☐	☐	2x	**Extension Arm - 30"**	GSA-EXZAX-300	Extension Arms
☐	☐	3x	**Extension Arm - 20"**	GSA-EXZAX-200	Extension Arms
☐	☐	15x	**20 Lbs Saddle Sandbag**	SSB-SBBAS-020	Saddle Sandbags
☐	☐	15x	**35 Lbs Saddle Sandbag**	SSB-SBBAS-035	Saddle Sandbags
☐	☐	1x	**1-1/2" Speed-Rail Menace Arm Rigging Kit (Front Adapter, Center Post, Rear Weight Pin)**	BAM-KVRXX-114	Menace Arm Kits
☐	☐	1x	**12" Fixed Baby Offset Arm (5/8" Pin to 5/8" Receiver)**	BAA-FZRBT-100	Fixed Offset Arms
☐	☐	1x	**Triple Baby Offset Arm**	BAA-FZRBT-300	Fixed Offset Arms
☐	☐	1x	**18" Fixed Junior Offset Arm (1-1/8" Pin to 1-1/8" Receiver)**	BAA-FZRJT-100	Fixed Offset Arms

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	3x	18" Fixed Junior Offset Arm (1-1/8" Pin to 1-1/8" Receiver)	BAA-FZRJT-100	Fixed Offset Arms
☐	☐	3x	Big Bale Block (TVMP)	HPA-P118A-012	Adapters & Pins
☐	☐	2x	Norms Pin	HPA-P058P-038	Adapters & Pins
☐	☐	2x	5/8" Baby Pin	HPA-P058T-014	Adapters & Pins
☐	☐	1x	5/8" Baby Pin	HPA-P058A-038	Adapters & Pins
☐	☐	2x	5/8" Baby Pin	HPA-P058T-038	Adapters & Pins
☐	☐	2x	6" Double Sided Baby Pin	HPA-P058P-600	Adapters & Pins
☐	☐	4x	End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)	HCL-LXAXE-002	Clamps
☐	☐	4x	End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)	HCL-LXAXC-002	Clamps
☐	☐	6x	Heavy-Duty Super V-Clamp with 5/8" Hex Receiver & Wedge	HCL-MVKTS-000	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXB-004	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXB-006	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXB-008	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CVAXB-010	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CVAXB-012	Clamps
☐	☐	1x	4" Center Grip Head with 1-1/8" Junior Pin	GSA-GAPCJ-400	Grip Heads
☐	☐	1x	42" x 42" Reflector Box	WPB-RBA42-2PL	Storage Box
☐	☐	6x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-P058I-300	Wall Plates
☐	☐	4x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-1824D-V08	Flag Frame
☐	☐	2x	Black Single Net Scrim Frame	LFP-1824N-V01	Net Scrim Frame
☐	☐	2x	Black Double Net Scrim Frame	LFP-1824N-V02	Net Scrim Frame
☐	☐	2x	White Poly Silk Frame	LFP-1824K-W05	Silk Frame
☐	☐	4x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-2436D-V08	Flag Frame
☐	☐	2x	Black Single Net Scrim Frame	LFP-2436N-V01	Net Scrim Frame
☐	☐	2x	Black Double Net Scrim Frame	LFP-2436N-V02	Net Scrim Frame
☐	☐	2x	White Poly Silk Frame	LFP-2436K-W05	Silk Frame
☐	☐	2x	Black Single Net Scrim Frame	LFC-4848N-V01	Net Scrim Frame
☐	☐	2x	Black Double Net Scrim Frame	LFC-4848N-V02	Net Scrim Frame
☐	☐	2x	White Poly Silk Frame	LFC-4848K-W05	Silk Frame
☐	☐	1x	Black and White Claycoat Floppy	LFF-4848A-C00	Floppy Frame
☐	☐	2x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-4848D-V08	Flag Frame
☐	☐	4x	48" x 48" Black Solid Floppy Flag (Expands to 48"x96")	LFF-4848D-V08	Floppy Frame
☐	☐	1x	Black and White Claycoat Frame	LFC-4848A-C00	Sail & Grid Cloth Frame
☐	☐	2x	Black Solid Cutter Floppy	LFF-1848D-V08	Floppy Frame
☐	☐	2x	10" x 42" Black Solid Cutter (Commando Cloth)	LFC-2472D-V08	Cutter Frame
☐	☐	3x	Gel Frame	LFG-1824X-M00	Gel Frames

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	3x	**Gel Frame**	LFG-2436X-M00	Gel Frames
☐	☐	3x	**Gel Frame**	LFG-4848X-M00	Gel Frames
☐	☐	1x	**6' x 6' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-6ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**8' x 8' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-8ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**12' x 12' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-1ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**Black Solid Rags**	LRG-6060D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-6060N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-6060N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-6060K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-6060S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-6060S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-6060S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-6060A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-8080D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-8080N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-8080N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-8080K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-8080S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-8080S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-8080S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-8080A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Bleached Muslin Rag**	LRG-8080M-W00	Muslin Rags
☐	☐	1x	**Black Single Net Rag**	LRG-1212N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-1212N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-1212K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-1212S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-1212S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-1212S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-1212A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-1212D-V08	Solid Rags
☐	☐	2x	**Foam Core Holder w/ Swivel Joint**	LRH-HF00C-000	Board Holder

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	3x	**Bead Board Holder**	LRH-HB00C-000	Board Holder
☐	☐	2x	**42" x 42" Reflector Board**	LRH-RRSSC-042	Reflector Board
☐	☐	15x	**Grip Clips w/ Rubber Tip**	TL-GGXART-300	Grip Clips
☐	☐	20x	**Grip Clips w/ Rubber Tip**	TL-GGXART-200	Grip Clips
☐	☐	10x	**Grip Clips w/ Rubber Tip**	TL-GGXART-100	Grip Clips
☐	☐	2x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-P058I-300	Wall Plates
☐	☐	1x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-G900X-000	Wall Plates
☐	☐	2x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-006	Clamps
☐	☐	2x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-012	Clamps
☐	☐	2x	**12" Bar Furniture Clamp with Sliding 5/8" Baby Pin**	HCL-FXKTF-018	Clamps
☐	☐	2x	**Furniture Clamp Slider to Baby Pin**	HPA-F034P-058	Adapters & Pins
☐	☐	1x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-R058X-000	Wall Plates
☐	☐	4x	**3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)**	HWP-R058X-000	Wall Plates
☐	☐	4x	**Drop Ceiling Clip**	HMS-CPDBP-000	Misc Mounting Hardware
☐	☐	4x	**Pipe Hanger Clamp**	RPH-HKXBP-000	Pipe Hangers
☐	☐	2x	**Putty Knife with 5/8" Baby Pin**	HMS-PKXBP-114	Misc Mounting Hardware
☐	☐	2x	**Locking Chain Vise Grip Clamp with Dual 5/8" Baby Pins (20" Chain)**	HMS-CVXBP-000	Misc Mounting Hardware
☐	☐	2x	**Junior Wall Plate with 1-1/8" Receiver (Junior Pigeon Plate)**	HWP-R118X-000	Wall Plates
☐	☐	2x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXJ-004	Clamps
☐	☐	2x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXJ-006	Clamps
☐	☐	2x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CZAXJ-008	Clamps
☐	☐	1x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CVAXJ-010	Clamps
☐	☐	1x	**8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket**	HCL-CVAXJ-012	Clamps
☐	☐	2x	**Pipe Hanger Clamp**	RPH-HKXJR-000	Pipe Hangers
☐	☐	2x	**1-1/2" Grid Clamp**	RGC-JRZSH-112	Grid Clamps
☐	☐	2x	**1-1/2" Grid Clamp**	RGC-JPZSH-112	Grid Clamps
☐	☐	3x	**1-1/2" Grid Clamp**	RGC-BPZSH-112	Grid Clamps
☐	☐	2x	**1-1/2" Grid Clamp**	RGC-EAZSH-112	Grid Clamps
☐	☐	4x	**1-1/2" Swivel Cheeseborough Clamp (Dual Speed-Rail Coupler)**	RGC-FDZXX-112	Grid Clamps
☐	☐	4x	**1-1/2" Swivel Cheeseborough Clamp (Dual Speed-Rail Coupler)**	RGC-SVZAX-112	Grid Clamps
☐	☐	1x	**Wall Spreader Kit for Pipe**	RWS-WKZRR-114	Wall Spreader Kits
☐	☐	1x	**Wall Spreader Kit for Wood**	RWS-WKZRR-204	Wall Spreader Kits
☐	☐	1x	**Tree Branch Holder**	HCL-CZAXT-004	Clamps
☐	☐	1x	**Split C-Clamp with Dual 5/8" Baby Pins & Junior Receiver**	HCL-CZKSD-114	Clamps
☐	☐	6x	**Apple Boxes**	WPL-ABA00-100	Wood Leveling
☐	☐	5x	**Apple Boxes**	WPL-ABA00-012	Wood Leveling
☐	☐	5x	**Apple Boxes**	WPL-ABA00-014	Wood Leveling
☐	☐	6x	**Apple Boxes**	WPL-ABA00-018	Wood Leveling

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	**Track Wedge 2" x 4" x 12" - Set of 80**	WPL-WTA80-012	Wood Leveling
☐	☐	1x	**Cribbing 2" x 4" x 12" - Set of 40**	WPL-CRK40-012	Wood Leveling
☐	☐	1x	**12' x 12' Breakdown to 6' x 6' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-1ZDTB-100	Overhead Kits - 1" Square Tube

GRIP TRUCK PREP & WRAP CHECKLIST · 5-TON STUDIO

PENTITAN (522 PIECES · KPT-S1Z0T-050)

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
normsstudio.equipment/rigging-calculators

Production: _____ **Key Grip / BBG:** _____ **Prep Date:** _____ **Wrap Date:** _____

Package Role: 5-Ton 26ft Studio Truck (Class B CDL) · Full 7-Frame Overhead Array · **Line Items:** 169 · **Replacement Link:** normsstudio.equipment/shop/kpt-s1z0t-050-pentitan-5-ton-grip-equipment-loadout-700

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	18x	C-Stand 40" Heavy-Duty Pro | Sliding Leg Kit	GST-CSZSC-2S5	Kits
☐	☐	2x	C-Stand 40" Heavy-Duty Pro | Spring Load Turtle Base Kit	GST-CSZSC-2L5	Kits
☐	☐	4x	C-Stand 20" Heavy-Duty Compact Kit with Sliding Leg Base	GST-CSZCC-2S5	Kits
☐	☐	2x	C-Stand 20" Heavy-Duty Compact | Baby Sliding Leg Kit	GST-CSZCC-2B5	Kits
☐	☐	2x	Big Low Boy Combo Walker Stand 2R with Leveling Leg Steel - 1" Leg	GST-SSZTL-2W1	Low Combo Stands
☐	☐	10x	Sky High Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg	GST-SSZTS-3W1	Sky Combo Stands
☐	☐	4x	Sky Grip Combo Walker Stand 3R with Leveling Leg Steel - 1" Leg	GST-HSZGS-3W1	Grip Stands
☐	☐	8x	Hefty Baby Walker Stand 3R with Leveling Leg - 3/4" Leg	GST-LSZHH-3W3	Hefty Baby Stands
☐	☐	3x	Hefty Baby Walker Stand 2R with Leveling Leg - 3/4" Leg	GST-LSZHH-2W3	Hefty Baby Stands
☐	☐	2x	Mini Hefty Baby Walker Stand 2R with Leveling Leg Steel - 3/4" Leg	GST-LSZHP-2W3	Baby Stands
☐	☐	2x	18' High Roller Stand 3R with Leveling Leg Steel - 1" Leg	GST-HSZMT-3R1	High Roller Stands
☐	☐	4x	20' Sky-High Roller Stand 3R with Leveling Leg Steel - 1" Leg	GST-HSZMH-3R1	High Roller Stands
☐	☐	2x	Mombo Walker Stand 4R with Leveling Leg Steel - 1-1/4" Leg	GST-HSZMM-4W4	Mombo Combo Stands
☐	☐	2x	Wheel Adapter - Set of 3	GSA-WXZSH-034	Wheel Adapters
☐	☐	6x	Wheel Adapter - Set of 3	GSA-WXZSH-010	Wheel Adapters
☐	☐	2x	Wheel Adapter - Set of 3	GSA-WXZSH-114	Wheel Adapters
☐	☐	4x	4" Grip Head with 1-1/8" Junior Pin - Lollipop	GSA-GAPLJ-400	Grip Heads
☐	☐	10x	2-1/2" Grip Head	GSA-GAPRX-212	Grip Heads
☐	☐	8x	Extension Arm - 40"	GSA-EXZAX-400	Extension Arms
☐	☐	4x	Extension Arm - 30"	GSA-EXZAX-300	Extension Arms
☐	☐	4x	Extension Arm - 20"	GSA-EXZAX-200	Extension Arms
☐	☐	20x	20 Lbs Saddle Sandbag	SSB-SBBAS-020	Saddle Sandbags
☐	☐	15x	35 Lbs Saddle Sandbag	SSB-SBBAS-035	Saddle Sandbags
☐	☐	1x	1-1/2" Speed-Rail Menace Arm Rigging Kit (Front Adapter, Center Post, Rear Weight Pin)	BAM-KVRXX-114	Menace Arm Kits
☐	☐	1x	12" Fixed Baby Offset Arm (5/8" Pin to 5/8" Receiver)	BAA-FZRBT-100	Fixed Offset Arms
☐	☐	1x	Triple Baby Offset Arm	BAA-FZRBT-300	Fixed Offset Arms

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	18" Fixed Junior Offset Arm (1-1/8" Pin to 1-1/8" Receiver)	BAA-FZRJT-100	Fixed Offset Arms
☐	☐	1x	Junior Triple Header	BAA-FZRJT-300	Fixed Offset Arms
☐	☐	4x	Stand Adapter	HPA-P118P-058	Adapters & Pins
☐	☐	4x	Big Bale Block (TVMP)	HPA-P118A-012	Adapters & Pins
☐	☐	4x	Norms Pin	HPA-P058P-038	Adapters & Pins
☐	☐	2x	5/8" Baby Pin	HPA-P058T-014	Adapters & Pins
☐	☐	1x	5/8" Baby Pin	HPA-P058A-038	Adapters & Pins
☐	☐	2x	5/8" Baby Pin	HPA-P058T-038	Adapters & Pins
☐	☐	2x	6" Double Sided Baby Pin	HPA-P058P-600	Adapters & Pins
☐	☐	4x	End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)	HCL-LXAXE-002	Clamps
☐	☐	4x	End-Jaw V-Lock Grip Clamp with 5/8" Baby Pin (Cardellini-Style)	HCL-LXAXC-002	Clamps
☐	☐	6x	Heavy-Duty Super V-Clamp with 5/8" Hex Receiver & Wedge	HCL-MVKTS-000	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXB-004	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXB-006	Clamps
☐	☐	1x	42" x 42" Reflector Box	WPB-RBA42-4PL	Storage Box
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXB-008	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CVAXB-010	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CVAXB-012	Clamps
☐	☐	6x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-P058I-300	Wall Plates
☐	☐	2x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-P058I-600	Wall Plates
☐	☐	2x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-G900X-000	Wall Plates
☐	☐	4x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-006	Clamps
☐	☐	4x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-012	Clamps
☐	☐	2x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-018	Clamps
☐	☐	2x	12" Bar Furniture Clamp with Sliding 5/8" Baby Pin	HCL-FXKTF-024	Clamps
☐	☐	4x	Furniture Clamp Slider to Baby Pin	HPA-F034P-058	Adapters & Pins
☐	☐	1x	3" Baby Wall Plate with 5/8" Welded Steel Baby Pin (Pigeon Plate)	HWP-R058X-000	Wall Plates
☐	☐	4x	Drop Ceiling Clip	HMS-CPDHK-000	Misc Mounting Hardware
☐	☐	4x	Drop Ceiling Clip	HMS-CPDBP-000	Misc Mounting Hardware
☐	☐	4x	Pipe Hanger Clamp	RPH-HKXBP-000	Pipe Hangers
☐	☐	2x	Putty Knife with 5/8" Baby Pin	HMS-PKXBP-114	Misc Mounting Hardware
☐	☐	2x	Locking Chain Vise Grip Clamp with Dual 5/8" Baby Pins (20" Chain)	HMS-CVXBP-000	Misc Mounting Hardware
☐	☐	4x	Junior Wall Plate with 1-1/8" Receiver (Junior Pigeon Plate)	HWP-R118X-000	Wall Plates
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-004	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-006	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CZAXJ-008	Clamps
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CVAXJ-010	Clamps

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	2x	8" Theater Cinema C-Clamp with Dual 5/8" Baby Pins & Junior Socket	HCL-CVAXJ-012	Clamps
☐	☐	2x	Pipe Hanger Clamp	RPH-HKXJR-000	Pipe Hangers
☐	☐	2x	1-1/2" Grid Clamp	RGC-JRZSH-112	Grid Clamps
☐	☐	2x	1-1/2" Grid Clamp	RGC-JPZSH-112	Grid Clamps
☐	☐	3x	1-1/2" Grid Clamp	RGC-BPZSH-112	Grid Clamps
☐	☐	2x	1-1/2" Grid Clamp	RGC-EAZSH-112	Grid Clamps
☐	☐	4x	1-1/2" Swivel Cheeseborough Clamp (Dual Speed-Rail Coupler)	RGC-FDZXX-112	Grid Clamps
☐	☐	4x	1-1/2" Swivel Cheeseborough Clamp (Dual Speed-Rail Coupler)	RGC-SVZAX-112	Grid Clamps
☐	☐	1x	Adjustable Telescoping Pipe Hanger with 1-1/8" Junior Pin (3' - 6')	RPH-AKZSR-306	Pipe Hangers
☐	☐	1x	Wall Spreader Kit for Pipe	RWS-WKZRR-114	Wall Spreader Kits
☐	☐	2x	Wall Spreader Kit for Wood	RWS-WKZRR-206	Wall Spreader Kits
☐	☐	2x	Coupler for 1-1/4" Round Pipe	FHP-RZCSX-114	Overhead Hardware - 1-1/4" Round Pipes
☐	☐	2x	Tree Branch Holder	HCL-CZAXT-004	Clamps
☐	☐	2x	Split C-Clamp with Dual 5/8" Baby Pins & Junior Receiver	HCL-CZKSD-114	Clamps
☐	☐	10x	Apple Boxes	WPL-ABA00-100	Wood Leveling
☐	☐	10x	Apple Boxes	WPL-ABA00-012	Wood Leveling
☐	☐	10x	Apple Boxes	WPL-ABA00-014	Wood Leveling
☐	☐	10x	Apple Boxes	WPL-ABA00-018	Wood Leveling
☐	☐	1x	Cup Block with Holder	WPL-CBK12-000	Wood Leveling
☐	☐	1x	Track Wedge 2" x 4" x 12" - Set of 80	WPL-WTA80-012	Wood Leveling
☐	☐	1x	Cribbing 2" x 4" x 12" - Set of 40	WPL-CRK40-012	Wood Leveling
☐	☐	6x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-1824D-V08	Flag Frame
☐	☐	3x	Black Single Net Scrim Frame	LFP-1824N-V01	Net Scrim Frame
☐	☐	3x	Black Double Net Scrim Frame	LFP-1824N-V02	Net Scrim Frame
☐	☐	3x	White Poly Silk Frame	LFP-1824K-W05	Silk Frame
☐	☐	1x	24" x 36" Celo Cucoloris (Wire Screen Mesh)	LFP-1824C-X23	Cucoloris
☐	☐	1x	Wood Cucoloris	LFC-1824W-V00	Cucoloris
☐	☐	6x	24" x 36" Black Solid Flag (Commando Cloth)	LFC-2436D-V08	Flag Frame
☐	☐	3x	Black Single Net Scrim Frame	LFP-2436N-V01	Net Scrim Frame
☐	☐	3x	Black Double Net Scrim Frame	LFP-2436N-V02	Net Scrim Frame
☐	☐	3x	White Poly Silk Frame	LFP-2436K-W05	Silk Frame
☐	☐	1x	24" x 36" Celo Cucoloris (Wire Screen Mesh)	LFP-2436C-X23	Cucoloris
☐	☐	1x	Wood Cucoloris	LFC-2436W-V00	Cucoloris
☐	☐	3x	Black Single Net Scrim Frame	LFC-4848N-V01	Net Scrim Frame

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	3x	**Black Double Net Scrim Frame**	LFC-4848N-V02	Net Scrim Frame
☐	☐	2x	**White Poly Silk Frame**	LFC-4848K-W05	Silk Frame
☐	☐	2x	**White 1/2 Silk Frame**	LFC-4848K-W06	Silk Frame
☐	☐	2x	**White 1/4 Silk Frame**	LFC-4848K-W07	Silk Frame
☐	☐	1x	**24" x 36" Celo Cucoloris (Wire Screen Mesh)**	LFC-4848C-X23	Cucoloris
☐	☐	1x	**Wood Cucoloris**	LFC-4848W-V00	Cucoloris
☐	☐	1x	**Black and White Claycoat Floppy**	LFF-4848A-C00	Floppy Frame
☐	☐	3x	**24" x 36" Black Solid Flag (Commando Cloth)**	LFC-4848D-V08	Flag Frame
☐	☐	6x	**48" x 48" Black Solid Floppy Flag (Expands to 48"x96")**	LFF-4848D-V08	Floppy Frame
☐	☐	2x	**Black Water Solid Flag Floppy**	LFF-4848D-V09	Floppy Frame
☐	☐	1x	**Bleached Muslin Floppy**	LFF-4848M-W00	Floppy Frame
☐	☐	1x	**Unbleached Muslin Floppy**	LFF-4848M-U00	Floppy Frame
☐	☐	1x	**Black and White Claycoat Frame**	LFC-4848A-C00	Sail & Grid Cloth Frame
☐	☐	2x	**10" x 42" Black Solid Cutter (Commando Cloth)**	LFC-1042D-V08	Cutter Frame
☐	☐	2x	**Black Solid Cutter Floppy**	LFF-1042D-V08	Floppy Frame
☐	☐	2x	**10" x 42" Black Solid Cutter (Commando Cloth)**	LFC-1848D-V08	Cutter Frame
☐	☐	2x	**Black Solid Cutter Floppy**	LFF-1848D-V08	Floppy Frame
☐	☐	1x	**10" x 42" Black Solid Cutter (Commando Cloth)**	LFC-2460D-V08	Cutter Frame
☐	☐	1x	**Black Solid Cutter Floppy**	LFF-2460D-V08	Floppy Frame
☐	☐	2x	**10" x 42" Black Solid Cutter (Commando Cloth)**	LFC-2472D-V08	Cutter Frame
☐	☐	2x	**Black Solid Cutter Floppy**	LFF-2472D-V08	Floppy Frame
☐	☐	6x	**Gel Frame**	LFG-1824X-M00	Gel Frames
☐	☐	6x	**Gel Frame**	LFG-2436X-M00	Gel Frames
☐	☐	6x	**Gel Frame**	LFG-4848X-M00	Gel Frames
☐	☐	1x	**6' x 6' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-6ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**8' x 8' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-8ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**12' x 12' Overhead Frame Kit for 1" Square Tube - With Bag**	FHF-1ZRTB-100	Overhead Kits - 1" Square Tube
☐	☐	1x	**Black Single Net Rag**	LRG-6060N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-6060N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-6060K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-6060S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-6060S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-6060S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-6060A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Grifflon Rags**	LRG-6060F-C00	Grifflon Rags

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	1x	**Black Solid Rags**	LRG-6060D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-8080N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-8080N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-8080K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-8080S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-8080S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-8080S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-8080A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Grifflon Rags**	LRG-8080F-C00	Grifflon Rags
☐	☐	1x	**Bleached Muslin Rag**	LRG-8080M-W00	Muslin Rags
☐	☐	1x	**Black Solid Rags**	LRG-8080D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-1212N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-1212N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-1212K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-1212S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-1212S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-1212S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-1212A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Grifflon Rags**	LRG-1212F-C00	Grifflon Rags
☐	☐	1x	**Black Solid Rags**	LRG-1212D-V08	Solid Rags
☐	☐	1x	**Black Single Net Rag**	LRG-2020N-V01	Net Rags
☐	☐	1x	**Black Double Net Rag**	LRG-2020N-V02	Net Rags
☐	☐	1x	**White Poly Silk Rag**	LRG-2020K-W05	Silk Rags
☐	☐	1x	**White Full Sail Rag**	LRG-2020S-W05	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/2 Sail Rag**	LRG-2020S-W06	Sail & Grid Cloth Rags
☐	☐	1x	**White 1/4 Sail Rag**	LRG-2020S-W07	Sail & Grid Cloth Rags
☐	☐	1x	**Black and White Claycoat Rag**	LRG-2020A-C00	Sail & Grid Cloth Rags
☐	☐	1x	**Black Solid Rags**	LRG-2020D-V08	Solid Rags
☐	☐	3x	**Foam Core Holder w/ Swivel Joint**	LRH-HF00C-000	Board Holder
☐	☐	4x	**Bead Board Holder**	LRH-HB00C-000	Board Holder
☐	☐	2x	**42" x 42" Reflector Board**	LRH-RRSSC-042	Reflector Board
☐	☐	2x	**42" x 42" Reflector Board**	LRH-RMMSC-042	Reflector Board

PREP	WRAP	QTY	EQUIPMENT ITEM & SPECIFICATION	NORMS SKU	DEPARTMENT
☐	☐	5x	**Tent Stake with D-Ring**	TLS-TVADR-420	Stakes and Spikes
☐	☐	15x	**Grip Clips w/ Rubber Tip**	TL-GGXART-300	Grip Clips
☐	☐	20x	**Grip Clips w/ Rubber Tip**	TL-GGXART-200	Grip Clips
☐	☐	20x	**Grip Clips w/ Rubber Tip**	TL-GGXART-100	Grip Clips
☐	☐	1x	**Overhead Hardware Kit for 1-1/4" Round Pipe - With Bag**	FHK-HZRTB-114	Overhead Kits - 1-1/4" Round Pipe

GRIPEDIA SHEET 02 · CSATF / IATSE LOCAL 80 & 728

DAILY G&E SAFETY & RIGGING PRE-FLIGHT CHECKLIST

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Slide into clipboard sleeve for dry-erase set use

Production / Stage:	Key Grip:	Gaffer:	Date / Call:

A. STANDS, BALLAST & WIND PROTOCOL (CSATF #37 / #38)

☐	**Big Leg Rule Verified**	Tallest leg of every C-Stand points directly underneath the extended arm and payload.
☐	**Sandbags Off the Floor**	20 lb or 35 lb saddle sandbags draped squarely across the long leg — zero floor contact.
☐	**Right-Hand Knuckle Rule**	Grip arm exits right side of T-handle so gravity rotates clockwise (tightens rather than unscrews).
☐	**Snug Hand-Tight Torque**	Grip heads snugged by hand (≤ 45 N·m); never cranked with wrenches or C-47s.
☐	**Outdoor Frame Anchoring**	Guy-wires and stakes or vehicle anchors deployed on 8×8+ overheads above 10 mph gusts.
☐	**High-Wind Strike Limit**	Solid rags vented or struck when gusts approach 20–28 mph; porous nets swapped in early.

B. OVERHEAD RIGGING, CLAMPS & PIPE SPANS

☐	**Mandatory Safety Cables**	Steel safety wire/chain clipped independently on EVERY overhead fixture, arm, clamp, and modifier.
☐	**Scrims & Barndoors Latched**	Barndoor ears, safety pins, and frame bail locks snapped shut before raising stand.
☐	**1-1/2" Speed-Rail Integrity**	6061-T6 Schedule 40 pipe spans checked for deflection; cheeseboroughs torqued and backed with safety.
☐	**Combo / High Roller Footprint**	Wheels locked and leveled via Rocky Mountain / leveling leg; caster brake tabs engaged.
☐	**No Damaged Castings / Pins**	Inspect 5/8" Baby pins, 1-1/8" Junior receivers, and T-handles for stripped threads or cracks.

C. ELECTRICAL DISTRO, GENERATORS & WET-SET (LOCAL 728 / NEC 530)

☐	**Cam-Lok Make / Break Sequence**	MAKE: Green (G) → White×2 (N) → Black, Red, Blue (Hots). BREAK: Reverse exact order (G last).
☐	**Single N-G Bond Only**	Neutral-to-Ground bonded strictly at source generator (8-ft earth rod ≤ 25Ω), never downstream.
☐	**80% Continuous Circuit Cap**	20A Edison circuits kept ≤ 16A continuous (1,920W @ 120V); phase legs balanced within 10%.
☐	**Wet-Set Class A GFCI**	4–6 mA Class A GFCIs inline on all exterior/wet circuits; Bates & stinger plugs elevated off ground.
☐	**Zero Ground Lifters**	No 3-to-2 cheater plugs on set; tag out any stinger or Bates with damaged jacket or missing ground pin.
☐	**Cable Crossings & Power Lines**	Traffic crossings ramped; 10–20 ft minimum clearance maintained from overhead utility power lines.

D. EMERGENCY ACTION PROTOCOL

☐	**Electrical Shock Response**	NEVER touch victim while energized. Kill breaker/gen main first, call 911 & Set Medic immediately.
☐	**Electrical Fire Extinguisher**	Use Class C (or ABC) dry chemical / CO2 extinguisher only — NEVER water on energized circuits.

DIFFUSION, RAG STOP-LOSS & WIND-DRAG CHEAT SHEET

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Live Wind Ballast Math: /rigging-calculators

1. CINEMA TEXTILE PHOTOMETRIC LOSS (ΔEV) & DRAG COEFFICIENT (CD)

TEXTILE	OPTICAL FUNCTION	LIGHT LOSS / RETURN	WIND DRAG (CD)	AUDIO PROFILE	STAGE NFPA 701
Full Silent Grid Cloth	Pure even wrap	**−1.40 stops**	High (Cd ≈ 1.20)	Silent (zero snap)	Yes (IFR)
1/2 Silent Grid Cloth	Medium soft diffusion	**−0.86 stops**	High (Cd ≈ 1.15)	Silent	Yes (IFR)
1/4 Silent Grid Cloth	Subtle contrast softening	**−0.47 stops**	High (Cd ≈ 1.10)	Silent	Yes (IFR)
Full Poly Silk	Classic specular + wrap	**−1.25 stops**	Med (Cd ≈ 0.85)	Low whisper	Yes (IFR)
1/4 Poly Silk	Mild exterior sun control	**−0.41 stops**	Low (Cd ≈ 0.45)	Silent in wind	Yes (IFR)
Bleached Muslin	Matte organic white softness	**−1.84 stops**	Very High (Cd ≈ 1.30)	Silent cotton	Yes (FR)
Unbleached Muslin	Warm tungsten skin bounce	**−2.47 stops**	Very High (Cd ≈ 1.35)	Silent cotton	Yes (FR)
UltraBounce (W/B)	Soft matte bounce / negative	**+95% Bounce**	Solid (Cd ≈ 1.45)	Quiet waterproof	Yes (IFR)
16oz Commando Cloth	Deep shadow negative fill	**−100% Block**	Solid (Cd ≈ 1.40)	Sound deadening	Yes (FR)
Single Black Net (Green)	Intensity cut, zero color shift	**−0.55 stops**	Ultra-Low (Cd ≈ 0.20)	Silent wind bleed	Yes (FR)
Double Black Net (Red)	Strong cut, retains sharp sun	**−1.15 stops**	Ultra-Low (Cd ≈ 0.35)	Silent wind bleed	Yes (FR)

2. WIND FORCE & BALLAST RULES

Wind Drag Formula: $F_{wind} = \frac{1}{2} \cdot \rho \cdot v^2 \cdot Cd \cdot A$

- **Velocity Squared:** Doubling wind (10 → 20 mph) multiplies frame overturning push by **4×**.
- **Height Amplification:** Gusts at 25 ft carry up to **+48% more dynamic pressure** than ground level.
- **Porous Wind Shedding:** Single/Double Nets bleed wind (60–80% less drag than Solid UltraBounce/Commando).
- **Ballast Margin:** Keep restoring counterweight at **1.5×–3.0×** overturning moment + guy-wires & stakes above 10 mph.
- **Strike Threshold:** Vent or strike solid 12×12 and 20×20 sails approaching **20–28 mph** gusts.

3. FRAME HARDWARE & NFPA 701 FIRE RATINGS

- **6×6 & 8×8 Butterflies:** 3/4" or 1" square aluminum ear-frames on Double-Riser Steel Combo Stands.
- **12×12 & 20×20 Overheads:** 1-1/4" or 1-1/2" Speed-Rail or heavy square frames on 3-Riser High Rollers (1-1/8" Junior Ear) + guy lines.
- **Stainless Shot vs. Silica Sand:** 304/316 shotbags have ~3× bulk density (4.84 vs 1.60 g/cm³) — 66.7% smaller footprint with zero lead dust.
- **IFR (Inherent Flame Retardant):** Silent Grid, Poly Silk, UltraBounce retain flame resistance after rain/washing.
- **FR (Topical Treatment):** Muslin, Commando, Duvetyne lose salt-bath fire rating if rained on or washed — must re-certify.

GAFFER & ELECTRIC POWER DISTRO & DMX CARD

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Amperage & Drop Calc: /rigging-calculators

1. SERIES 16 CAM-LOK MAKE / BREAK ORDER (120/208V 3-PHASE WYE)

CONNECT STEP	CONDUCTOR	COLOR	VOLTAGE	4/0 AMPACITY	BREAK ORDER
1st Made	Equipment Ground	**Green**	0 V Earth Ref	400 A Continuous	5th (Last Off)
2nd Made	Neutral (Double)	**White (×2)**	0 V Star Point	400 A / 800 A (2×4/0)	4th Off
3rd Made	Phase A (L1)	**Black**	120 V L-N / 208 V L-L	400 A Continuous	1st–3rd Off
4th Made	Phase B (L2)	**Red**	120 V L-N / 208 V L-L	400 A Continuous	1st–3rd Off
5th Made	Phase C (L3)	**Blue**	120 V L-N / 208 V L-L	400 A Continuous	1st–3rd Off

2. NEC 3% VOLTAGE DROP & STINGER WIRE GAUGE LIMITS (120V AC · ΔV = 2·K·I·L / CM)

CONDUCTOR GAUGE	CIRCULAR MILS	RESISTANCE	MAX 3% @ 16A	MAX 3% @ 20A	FIELD ROLE
14 AWG	4,110 cmil	3.07 Ω/kft	**35.8 ft**	28.6 ft	Practicals / low-wattage only
12 AWG (Std Stinger)	6,530 cmil	1.93 Ω/kft	**56.9 ft**	45.5 ft	Everyday stage stingers (≤ 50 ft)
10 AWG (Heavy Stinger)	10,380 cmil	1.21 Ω/kft	**90.4 ft**	72.3 ft	Long 1800W–2K head runs
6 AWG (60A Bates)	26,240 cmil	0.491 Ω/kft	**228.7 ft**	183.0 ft	Stage Bates sub-distribution
4/0 AWG (400A Feeder)	211,600 cmil	0.0608 Ω/kft	**1,844 ft**	1,475 ft	Tow-plant main feeder lines

3. GENERATOR & PHASE RULES

- **80% Continuous Duty:** Cap 20A breakers at **16 A (1,920 W @ 120V)**.
- **3-Phase Line Current:** I = P / (√3 × 208V × PF). A 100kW genny yields ~**292 A/leg** @ 0.95 PF.
- **Phase Balance & Neutral:** Keep A/B/C legs within **10%**; run **Double-Neutral (2× 4/0 White)** for 180Hz LED/HMI triplen harmonics.
- **Grounding & Sync:** Single N-G bond at source to **8-ft copper rod (≤ 25Ω)**; Crystal Sync **60.00 Hz ±0.05%**; Class A **4–6 mA GFCI** near water.

4. ANSI E1.11 DMX512-A (5-PIN XLR) & CRMX

PIN	SIGNAL	FUNCTION
Pin 1	Shield / Common	Chassis & signal ground reference
Pin 2	Data 1−	Inverted differential RS-485 (−)
Pin 3	Data 1+	Non-inverted differential RS-485 (+)
Pin 4	Data 2− (Opt.)	Auxiliary / RDM talkback (−)
Pin 5	Data 2+ (Opt.)	Auxiliary / RDM talkback (+)

Rules: Use 120Ω twisted DMX cable (never 3-pin mic cord) · Cap final fixture with **120Ω terminator** across Pins 2 & 3 · Max ~32 fixtures/opto port · Turn off RDM polling during sound takes.

ROOKIE GRIP & ON-SET HARDWARE POCKET CARD

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Full A–Z Glossary: /gripedia/glossary

1. FIVE LAWS OF THE C-STAND

1. **The Big Leg Rule:** Longest leg ALWAYS points straight beneath the load / extended arm.
2. **Clockwise Right-Hand Rule:** Face the T-handle; point the arm right so gravity twists it **clockwise (tightens)**.
3. **Sandbags Off the Floor:** Drape across upper thigh of big leg; zero floor contact.
4. **Snug Hand-Tight Only:** Never use wrenches or C-47s on knuckle T-handles (≤ 45 N·m).
5. **Never Sit on Apple Boxes:** Working tools only — keep clear for camera/grip crew.

2. HOLLYWOOD PINS, RECEIVERS & PIPE

- **Baby Pin / Receiver: 5/8" (16 mm)** — C-Stand tops, baby stands, Cardellinis, lightweight lamps.
- **Junior Pin / Receiver: 1-1/8" (28 mm)** — Combo stands, High Rollers, turtle bases, heavy heads.
- **Speed-Rail® (Schedule 40 NPS): 1-1/4"** (1.66" OD) & **1-1/2"** (1.90" OD) 6061-T6 aluminum pipe.
- **Grip Heads: 2-1/2"** (standard C-Stand gobo head) & **4-1/2"** ("Lollipop" with 1-1/8" Junior pin).
- **2025 Lifetime Warranty:** Covers all new Norms Grip Stands manufactured in 2025 and afterwards.

3. MANDATORY ON-SET VOCAL SAFETY CALLOUTS

"POINTS!" / "HOT POINTS!"	Carrying long stands, arms, or Speed-Rail pipe (front end tilted low toward floor).
"STRIKING!"	Wait 1.5s before switching on any bright HMI, Tungsten, or LED head.
"HEADS UP!"	Falling or slipping overhead object — tuck chin, look DOWN, cover head with arms.
"CROSSING!"	Stepping briefly across camera lens sightline during staging/rehearsal.
"CABLE / STINGER DOWN!"	Dropping coiled cable from grid, condor, or ladder.

4. STANDARD WALKIE CHANNELS

Ch 1	Production / 1st AD / Floor
Ch 2	Open / Rollover (1-on-1 talks)
Ch 3	Transportation / Vans
Ch 4	SFX / Stunts
Ch 5	Camera / Video Assist / DIT
Ch 6	Grip Dept (Key Grip / BBG / Dolly)
Ch 7	Electric Dept (Gaffer / BBE / Genny)
Ch 8	Sound / Boom
Ch 9	Locations
Ch 10	Hair / Makeup / Wardrobe

5. IMPERIAL APPLE BOX MATRIX (20" × 12" BALTIC BIRCH)

BOX	SIZE	HEIGHTS	PRIMARY USE
Full Apple Box	20" × 12" × 8"	20" / 12" / 8"	Seating, camera riser, heavy blocking
Half Apple Box	20" × 12" × 4"	20" / 12" / 4"	Mid-step elevation, C-Stand leg bridging
Quarter Apple Box	20" × 12" × 2"	20" / 12" / 2"	Fine tripod & dolly track increments
Eighth (Pancake)	20" × 12" × 1"	Flat 1"	Micro-leveling under sleepers & actor marks

Track Wedges (9.46°): Always install wedges in opposing head-to-toe pairs so 1,200 lb dollies cannot slip laterally.

GRIPEDIA SHEET 06 · PRE-PRODUCTION SCOUT WORKSHEET

KEY GRIP & GAFFER TECH SCOUT CHECKLIST

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Print 1 copy per location

Location Name:	Scout Date:	Key Grip:	Gaffer:

1. TRUCK STAGING, LIFTGATE & LOAD-IN PATH

☐	**Grip & Electric Truck Parking**	Confirm street width, overnight security, and proximity to main set entrance.
☐	**Liftgate & Cart Clearance**	Measure door widths (min 34–36"), elevators, thresholds, stairs, and ramp needs.
☐	**Staging / Bone-Yard Area**	Designate dry, covered, non-camera-facing staging area for carts, frames, and cases.

2. RIGGING GEOMETRY, OVERHEAD & SURFACES

☐	**Ceiling Height & Beams**	Check exposed I-beams, joists, truss points, or drop-ceiling scissor-clip limits.
☐	**Floor & Dolly Surface**	Inspect carpet, hardwood, tile, gravel, or slope; plan layout board, cribbing & opposed wedges.
☐	**Exterior Sun Path & Wind**	Chart solar azimuth at call/golden hour; identify stakeable soil, concrete anchors, or wind exposure.

3. ELECTRICAL TIE-IN, GENERATOR & HAZARD CLEARANCES

☐	**Overhead Power Lines**	Measure distance to utility lines — enforce CSATF #8C 10–20 ft minimum clearance for stands/condors.
☐	**House Panel / Tie-In Survey**	Locate main panel voltage (120/208V 3Φ vs 120/240V), breaker amps, and cable run footage.
☐	**Tow-Plant / Genny Spot**	Confirm level ground, exhaust direction, 50-ft acoustic isolation (48–52 dBA), and 8-ft ground rod site.
☐	**Wet / Rain / Pool Proximity**	Identify standing water, sprinklers, or rain towers requiring Class A GFCIs and elevated distros.

4. SPECIAL RIGGING / TRUCK PACKAGE ADD-ONS & NOTES

Additional stands, Speed-Rail lengths, overhead rag sizes, condor/boom lift, or extra stinger/distro notes:

GRIP CART, RAG BAG & HARDWARE CRATE LABELS

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Cut on dashed lines & laminate

40" C-STANDS
SLIDING LEG • TURTLE BASE
`GST-CSZSC-2S5 / 2T5`
NORMS STUDIO EQUIPMENT · EST. 1962

COMBO & HIGH ROLLERS
2R / 3R • 1-1/8" JUNIOR
`GST-SSZTS / GST-HSZMT`
NORMS STUDIO EQUIPMENT · EST. 1962

GRIP HEADS & ARMS
2-1/2" HEADS • 20"/30"/40" ARMS
`GSA-GAPRX-212 / EXZAX`
NORMS STUDIO EQUIPMENT · EST. 1962

CLAMPS & SPEED-RAIL
CARDELLINI • MAFER • CHEESEBOROUGH
`HCL-LXAXE / 1-1/2" NPS`
NORMS STUDIO EQUIPMENT · EST. 1962

APPLE BOXES
FULL 8" • HALF 4" • 1/4 2" • PANCAKE 1"
`KPW-AB000-FAM`
NORMS STUDIO EQUIPMENT · EST. 1962

SANDBAGS & SHOTBAGS
20 LB / 35 LB SADDLE & FLYAWAY
`SSB-SBBAS / FBBES`
NORMS STUDIO EQUIPMENT · EST. 1962

4×4 FLAGS & FLOPPIES
16OZ COMMANDO • NETS • SILKS
`NFPA 701 STAGE RATED`
NORMS STUDIO EQUIPMENT · EST. 1962

OVERHEAD RAGS 8×8 / 12×12
SILENT GRID • POLY SILK • ULTRABOUNCE
`KEEP DRY & FOLDED CLEAN`
NORMS STUDIO EQUIPMENT · EST. 1962

20×20 OVERHEAD RAGS
SOLID • MUSLIN • GRID CLOTH
`VENT / GUY-WIRE >10 MPH`
NORMS STUDIO EQUIPMENT · EST. 1962

WEDGES & CRIBBING
2×4 CRIBBING • 9.46° HARDWOOD WEDGES
`WPL-CRK40-012`
NORMS STUDIO EQUIPMENT · EST. 1962

12 AWG / 10 AWG STINGERS
25 FT & 50 FT • INSPECT GROUND PINS
`MAX 16A CONTINUOUS`
NORMS STUDIO EQUIPMENT · EST. 1962

CAM-LOK & BATES DISTRO
G → N×2 → B / R / BL • 60A / 100A
`NEC ART. 530 / LOCAL 728`
NORMS STUDIO EQUIPMENT · EST. 1962

GRIPEDIA SHEET 07B · RENTAL & KIT ACCOUNTABILITY

EQUIPMENT CHECKOUT & LOSS / DAMAGE LOG

Norms Studio Equipment
Hollywood, California, USA · Est. 1962
Replace missing items:
normsstudio.equipment/shop

Production: _____ **Checked Out By:** _____ **Dept (Grip/Elec):** _____ **Return Date:** _____

QTY	ITEM DESCRIPTION / PACKAGE	SERIAL / SKU	OUT	IN	CONDITION / LOSS & DAMAGE NOTES
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