

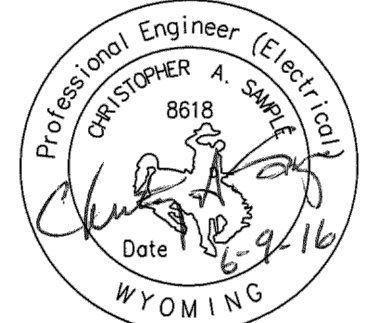
LUMINAIRE SCHEDULE

NOTE: EXCEPT WHERE NOTED OTHERWISE, SCHEDULE PROVIDES ONE (1) MANUFACTURER. CONTRACTOR SHALL PROVIDE THE BRAND AND MODELS OF LIGHTING FIXTURE AND ASSOCIATED HARDWARE INDICATED.

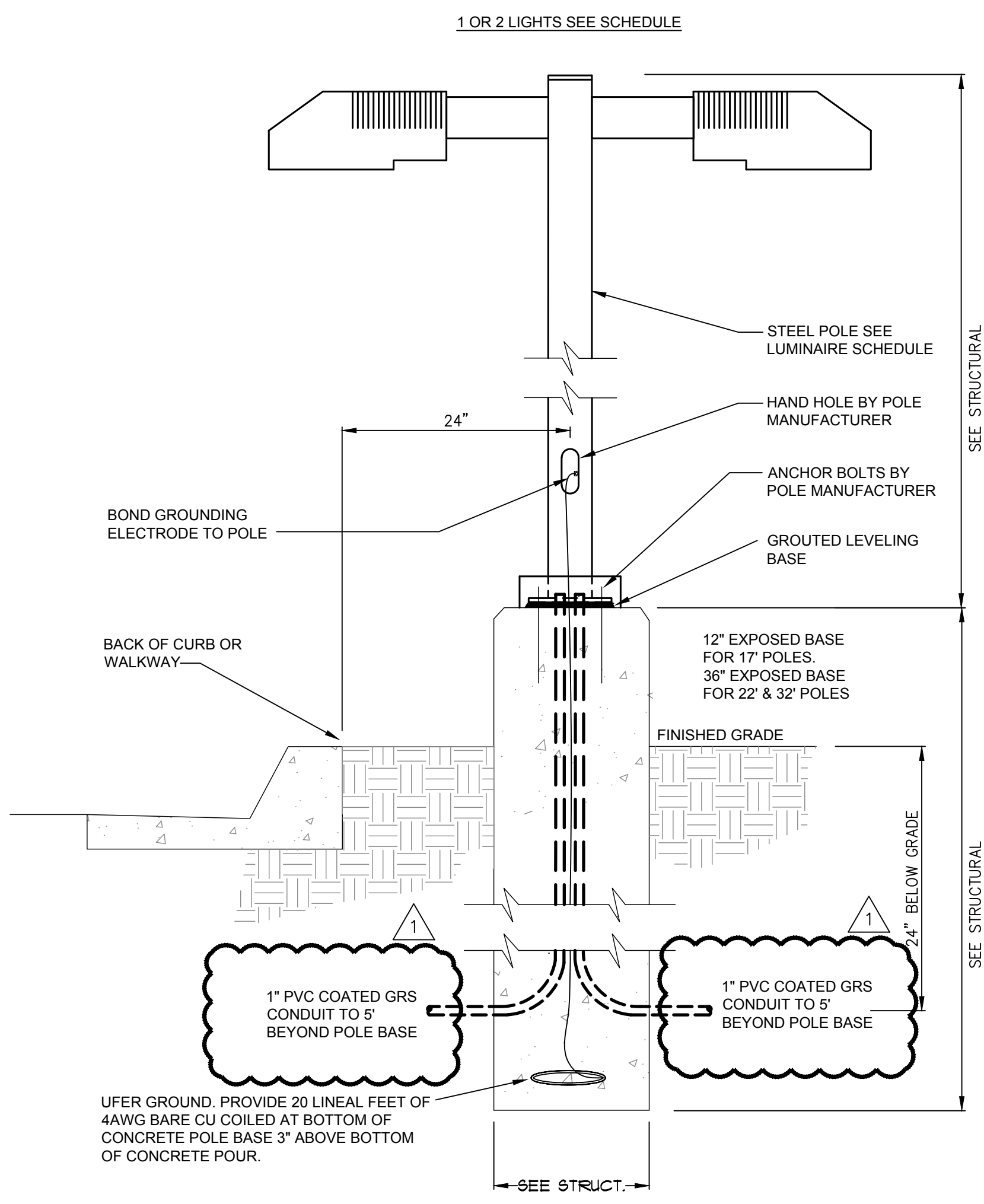
TYPE	DESCRIPTION	LAMPS	FXTR WATTS	MANUFACTURER	CATALOG NUMBER	VOLTAGE	FINISH	POLE	REMARKS
A	ELECTRONIC LED TYPE-2 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, 35" MOUNTING HEIGHT ROUND TAPERED STEEL POLE	80 LED/5100K	188W	KIM LIGHTING	1A/AR2P70/80L5K /277/DB	277	DARK BRONZE	VALMONT DS210-R850A350-D1-DB-FBC(S)-AB-HH-SL-VD	SEE DETAIL THIS SHEET 32' POLE
B	ELECTRONIC LED TYPE-2 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, 18" MOUNTING HEIGHT ROUND TAPERED STEEL POLE	60 LED/5100K	65W	KIM LIGHTING	1SA/SAR2/E35/60L5K /277/DB	277	DARK BRONZE	VALMONT DS210-R590A170-D1-DB-FBC(S)-AB-HH-SL	SEE DETAIL THIS SHEET 17' POLE
C	ELECTRONIC LED TYPE-5 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, MOUNTING ON EXISTING 25' POLE	80 LED/5100K	188W	KIM LIGHTING	1A/AR5P70/80L5K /277/DB	277	DARK BRONZE	EXISTING 25' POLE	
D	ELECTRONIC LED TYPE-4 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, MOUNTING ON EXISTING 25' POLE	80 LED/5100K	188W	KIM LIGHTING	1A/AR4P70/80L5K /277/DB	277	DARK BRONZE	EXISTING 25' POLE	
E	ELECTRONIC LED TYPE-2 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, MOUNTING ON EXISTING 25' POLE	80 LED/5100K	188W	KIM LIGHTING	1A/AR2P70/80L5K /277/DB	277	DARK BRONZE	EXISTING 25' POLE	
F	ELECTRONIC LED TYPE-4 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, 25" MOUNTING HEIGHT ROUND TAPERED STEEL POLE	60 LED/5100K	65W	KIM LIGHTING	1SA/SAR4/E35/60L5K /277/DB	277	DARK BRONZE	VALMONT DS210-R590A220-D1-DB-FBC(S)-AB-HH-SL	SEE DETAIL THIS SHEET 22' POLE
G	ELECTRONIC LED TYPE-4 DISTRIBUTION LIGHT FIXTURE SINGLE HEAD, 18" MOUNTING HEIGHT ROUND TAPERED STEEL POLE	60 LED/5100K	65W	KIM LIGHTING	1SA/SAR4/E35/60L5K /277/DB	277	DARK BRONZE	VALMONT DS210-R590A170-D1-DB-FBC(S)-AB-HH-SL	SEE DETAIL THIS SHEET 17' POLE
H	ELECTRONIC LED POLE-TOP LUMINAIRE, 8" MOUNTING HEIGHT 3" ROUND TAPERED STEEL POLE.	LED/4000K	30W	BEGA	88 164-BRZ	120	BRONZE	BEGA 0908HR MODIFY 7'-6"-BRX	

GENERAL NOTES THIS PROJECT

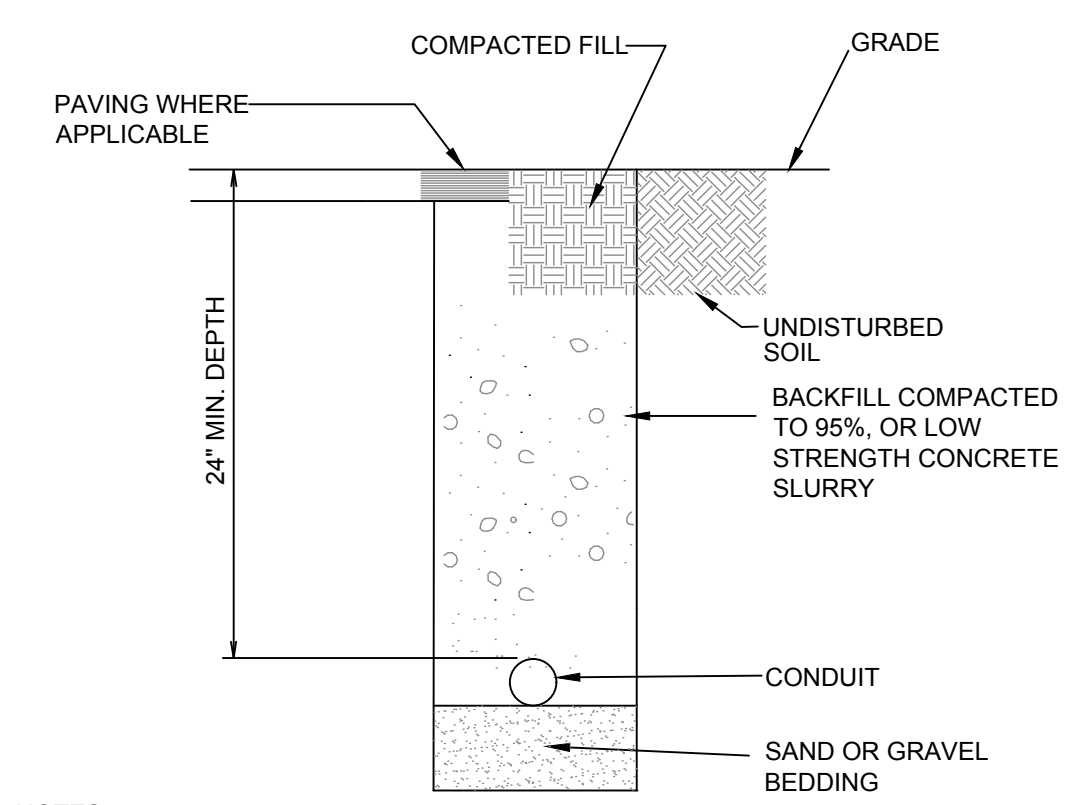
- ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2014 NATIONAL ELECTRICAL CODE.
- IF AT ANY POINT IN THE CONSTRUCTION OF THIS PROJECT THE CONTRACTOR DOES NOT UNDERSTAND ANY ASPECT OF THESE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEEK CLARIFICATION FROM THE ENGINEER. IF THE CONTRACTOR PROCEEDS WITHOUT CLARIFICATION FROM THE ENGINEER, HE ASSUMES FULL RESPONSIBILITY AND LIABILITY.
- ALL CONDUCTORS SHALL BE COPPER.
- ALL RACEWAYS SHALL HAVE EQUIPMENT GROUNDING CONDUCTORS SIZED PER NEC.
- ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR.
- INDICATED EXISTING CIRCUITS AND CIRCUIT ROUTING IS BASED UPON BEST AVAILABLE INFORMATION AND MAY NOT BE COMPLETELY ACCURATE.
- IN THESE DRAWINGS, THE TERM: "LUMINAIRE" SHALL MEAN AN ASSEMBLY CONSISTING OF ONE OR MORE AREA LIGHTING FIXTURES ATTACHED TO A POLE, MOUNTED ON A CONCRETE BASE.
- EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN UON.
- PROVIDE AND INSTALL NEW BRANCH CIRCUITS AS SHOWN FOR NEW LIGHT POLES. PROVIDE #8 CONDUCTORS WITH #10 EQUIPMENT GROUNDING CONDUCTOR IN 1" PVC SCHEDULE-40 UON. REPLACE ALL CURRENT CONDUCTORS BACK TO SOURCE INTERIOR BUILDING-MOUNTED LIGHTING CONTACTOR UNLESS OTHERWISE NOTED. EACH NEW LIGHTING BRANCH CIRCUIT SHALL HAVE DEDICATED NEUTRALS. CONNECTION LIGHT FIXTURES TO THE INDICATE BRANCH CIRCUITS AS SHOWN ON THE DRAWINGS. IDENTIFY NEUTRAL CONDUCTORS TO ENSURE THEY REMAIN DEDICATED TO THEIR RESPECTIVE UNGROUNDED CONDUCTORS. NEW CIRCUITS SHALL HAVE MINIMUM 24" OF COVER BELOW FINISHED GRADE. SEE TRENCH DETAIL SHEET E1.00. PROVIDE PVC COATED RIGID CONDUIT FROM 18" BELOW GRADE UP INTO POLE BASES AND WHERE EXPOSED.
- THIS PROJECT INCLUDES REQUIREMENTS TO INSTALL NEW UNDERGROUND BRANCH CIRCUITS IN 1" PVC RACEWAY BENEATH EXISTING IMPROVEMENTS SUCH AS CONCRETE SIDEWALKS, CURBS, AND DRIVEWAYS, BENEATH ASPHALT PARKING LOTS, AND BENEATH MATURE LAWNS WITH IRRIGATION SYSTEMS. THE CONTRACTOR SHALL CUT, REMOVE, AND THEN RESTORE TO ORIGINAL CONDITION ANY SUCH EXISTING IMPROVEMENTS AS NECESSARY TO PERFORM THE WORK. HOWEVER, SINCE STUDENT ACCESS TO LCCC FACILITIES IS OF PRIMARY IMPORTANCE, ANY CUTTING AND PATCHING SHALL BE PERFORMED SO THAT THE REQUISITE ACCESS IS MAINTAINED, AND SO THAT RESTORATIONS CAN BE MADE AS QUICKLY AS IS FEASIBLE. IN THE PARKING LOTS, THE CONTRACTOR SHALL USE DIRECTIONAL BORING WHERE FEASIBLE SO THAT CUTTING AND PATCHING IN THE PARKING LOTS WILL BE ONLY AS NECESSARY, AND WILL BE SCHEDULED AND PERFORMED ONLY WITH THE OWNER'S PERMISSION.
- CONTRACTOR SHALL PROVIDE AND INSTALL A NEW CONCRETE FOUNDATION FOR EACH NEW POLE SHOWN ON THIS DRAWING. SEE DETAILS ON THIS SHEET AND SEE STRUCTURAL DRAWINGS FOR POLE FOUNDATION REQUIREMENTS.
- WHERE GROUND BOXES FOR ELECTRICAL BRANCH CIRCUITS ARE INDICATED OR REQUIRED IN THESE DRAWINGS, PROVIDE 13"x24"x18" QUAZITE 'PD' STYLE GROUND BOXES, WITH OPEN BOTTOM UON.
- SEE SHEET E105 FOR VOLTAGE-DROP AND CIRCUIT LOADING CALCULATIONS.
- LOCATIONS FOR POLES AND OTHER ELECTRICAL EQUIPMENT SHOWN IN THE DRAWINGS ARE APPROXIMATE. ALL FINAL LOCATIONS SHALL BE APPROVED BY LCCC FACILITY STAFF PRIOR TO EXCAVATING.



LARAMIE COUNTY COMMUNITY COLLEGE
SITE LIGHTING UPGRADE PROJECT PHASE II
 1400 E. COLLEGE DRIVE, CHEYENNE, WYOMING



1 LIGHT POLE DETAIL
SCALE: NTS



2 TRENCH DETAIL
SCALE: NTS

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
● B	NEW LIGHT FIXTURE SINGLE HEAD
AT [Symbol]	CALL OUT USED IN THESE DRAWINGS TO INDICATE EXISTING AND NEW POLES AFFECTED BY THE WORK IN THIS PROJECT. THE TOP ENTRY IS THE UNIQUE POLE AND CALCULATION NODE IDENTIFIER FOR THE LUMINAIRE. THE BOTTOM ENTRY INDICATES THE BRANCH CIRCUIT TO WHICH THE LUMINAIRE SHALL BE CONNECTED.
---	NEW UNDERGROUND CIRCUIT AS INDICATED
- - - -	EXISTING UNDERGROUND CIRCUIT
⊙	JUNCTION BOX OR PULL BOX
○	EXISTING SINGLE HEAD LIGHT FIXTURE
⊖	EXISTING DOUBLE HEAD LIGHT FIXTURE

ABBREVIATIONS

APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CU	COPPER
EG	EQUIPMENT GROUND
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
TEL	TELEPHONE
PED	PEDESTAL
WP	WEATHERPROOF
(E)	EXISTING
(N)	NEW
GRS	GALVANIZED RIGID STEEL

REV.	DATE:	ISSUED FOR:	APP'D:	DVA	CAS	DVA	CAS	DVA	CAS
0	05/24/16	100% CD							
1	06/09/16	ADDENDUM 1							

SHEET TITLE:
LUMINAIRE SCHEDULE, DETAILS, ABBREVS. SYMBOLS, INDEX
 SCALE: AS SHOWN DWG. No.: **E101**
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