Sector 20 -	Sector 20 - Title 1 Drawings 50% Comments				
Sheet					
Number	Action		Response		
		Add a title sheet with legend, abbreviations, line type legend, location and key			
new		plan etc.	Will comply		
		Delineate new construction, existing and items to be added by University clearer			
all		by clear use of line types and/or callouts	Line type variation is apparent on full-size drawings.		
all		Provide correct drawing numbers throughout the package	Will comply		
all		Renumber sheets (e.g. A-x, etc)	Will comply		
all		Move project notes away from revision title blocks	Will comply		
all		clear all from revision title blocks (e.g. Title 1 will be rev 0)	Will comply		
all		Add "SPIRES" drawing number block	Will comply - Need direction		
all		Revise line spacing in drawing title	Will comply		
		Revise second line of drawing titles to say "Sector 20 Alcove" except as noted on			
all		certain sheets below	Will comply		
all		Gridlines - Why "A1" rather than "B"? Delete A1 if not needed	A1 is retained for existing construction. Deleted in new construction.		
all		Existing stairwell - down direction shown on wrong flight	Has been reversed		
all		Add "existing" to call out for stairwell/shaft on applicable drawings	Will comply		
		Add callout "Driveway" on all applicable drawings in vicinity of existing access			
all		road	Will comply		
all		References to SLAC or owner should say "University"	Will comply		
		Centerline of klystron gallery and Linac below are not coincident - offset by 1'-9" -			
all		correct notation	Has been revised		
all		Detail titles - delete "sector 20" (redundant)	Will comply		
all		Identify penetrations from Klystron Gallery to below "penetration to below, typical"	Will comply		
		Expand drawing to show gridline o 19 to show relocated door on electrical room			
A-0B		(for boiler)	Door will not need to be relocated.		
A-0B		◊1 Salvage roof and wall siding removed. Store at direction of University	Has been noted		
A-0B		◊2 delete word "hot"	Will comply		
A-0B		♦3 Delete words "electrical switchgear, subpanels" (already removed)	Has been revised		
A-0B		◊5 Delete "salvage and store per owners directions"	Will comply		
A-0B		◊6 Change "reuse" to "reinstallation"	Will comply		
A-0B		◊10 Delete "store per owners directions"	Will comply		
A-0B		♦16 should these be cut ~2" higher to eliminate possibility of flooding?	Will comply		
A-0B		◊18 Add 3. salvage roofing and siding	Will comply		
A-0B		Add ◊19 - Existing metal stairs and railing to remain and show on plan	Will comply		
A-0B		Add ◊20 Existing Klystron Gallery structure to remain and show on plan	Will comply		
A-0B		Identify electrical room (near grid 19) where boiler to be added	Will comply		
A-0B		Show existing positron trench in driveway (trench plates to be modified)	Trench is too far west to show on dwgs. Addt'nl. dwg. req'd. if trench fix is added to SOW.		
A-0B		Identify line types to clarify existing to remain vs. demo	Line type variation is apparent on full-size drawings.		
A-0B		Callout existing klystron pump room	Pump room is too far to West Sector 20 Alcove to show- will require an additional drawing.		
A-0B		Callout existing support in vicinity of RF hut	Supports are shown on A1B		
A-0B		Verify if demo required in vicinity of RF hut	Utility re-routing will be required and has been key-noted.		
A-0B		Callout existing sliding door to gallery to remain (or be modified)	Will be noted - no work required.		
A-0B		Add a detail showing existing and new driveway layout	Driveway is unaffected		
A-0B		Detail 1 - add dimensions	Detail has been eliminated		

Chast			
Sheet Number	Action		Response
A-0B	ACTION	Detail 1 - Identify "alcove" and "klystron gallery" sides	Detail has been eliminated
A-0B A-0B		Revise to say "existing" air intake alcove	Will comply
A-0B A-1B		Detail 1 Location Plan - delete extraneous building numbers	Will comply
A-1B A-1B		Verify that external mechanical equipment does not extend into driveway	It does not
A-1B A-1B		Use metal doors rather than wood (typical)	Will comply
A-1B A-1B		Identify each wall type for alcove area and RF hut	Will comply
A-1B A-1B		Alcove wall appears to be double all around. Is this correct?	Yes, except at section cut through service door
A-1B A-1B		Note D - what is rationale for selection of unequal door pair?	To allow crane passage
A-1B A-1B		Laser tables - call out and/or clarify symbols	Will comply
A-1B A-1B		Call out pavement ramps at exterior man doors and sliding door	Will comply
A-1B		Note E - consider using roll-up door vs. sliding door?	Will comply
A-1B		show location of repair to klystron gallery wall fill in where doors removed	Will comply
A-1B		Call out elevation of raised floor and other floor elevations	Will provide in Title II
A-1B		Establish set points for all new doors via dimensions	Will provide in Title II
A-1B		Note door C - consider roll up door to save space	Will comply
A-1B		\$\delta call out size and use for each raised housekeeping pad	Will provide in Title II
X-1D		\$\delta \text{ sale out size and use for each raised housekeeping pad}\$ \$\delta \text{ Is a pad needed for condensing unit if located in gallery (vs. on the south)}\$	I Trace II
A-1B		side)?	Pad is provided outside the Klyston gallery
A-1B		\$5 Please indicate sizes for each concrete pad on drawing	Will provide in Title II
A-1B		Add \$17 new ductwork and show on drawing	Will comply
A-1B A-2B		Revise title to Sector 20 Injector Housing	Will comply
A-2B		Detail 2 show dimension for location of wall	Will comply
A-2B		Detail 2 show differsion to location of wall	Reference is deleted
A-2B		Label existing concrete wall as "existing"	Will comply
A-2B		Detail 1 identify cable tray	Will comply
A-2B		Detail 1 identify case tray Detail 1 identify Linac penetrations to above	Will comply
A-2B		♦1 specify sheathing on each side	Will comply
A-2B		Note A - specify metal door	Will comply
A-3B		Do not show drinking fountains on reflected ceiling plan	Will comply
A-3B		Do not show exterior mechanical equipment on reflected ceiling plan	Will comply
A-3B A-3B		1 1 31	
		Do not show penetrations or injector housing below on reflected ceiling plan	Will Comply
A-3B		Do not show RF hut concrete pad on reflected ceiling plan	Will comply
A-3B		Include a legend for symbols	Will comply
A-3B		◊4 Do not refer to RF hut as "RF shielded"	All sheets have been corrected
A-3B		Note type of light fixtures in RF hut	Will comply
A-4B		Please modify line types to clearly show new construction from existing	Line type variation is apparent on full-size drawings.
A-4B		♦1 should lifting "tabs" be called "eyes"?	We will use "eyes."
		♦3 It is not necessary to exactly match siding and roofing - something similar will	langu .
A-4B		suffice Specify appropriately	Will comply
A-4B		Add ◊6 - Salvage existing roofing and store at direction of University	Will comply
A-5B		Show dimensions of roof and ceiling heights where not shown in load lock room	Will comply
A-5B		identify concrete floor	Will comply
A-5B		Identify symbol of area outside doors	Will comply
A-5B		Show existing driveway	Existing driveway will be shown in plan and with key-note (A-5B)

Sheet			
Number	Action		Response
A-5B	Action	label existing shaft walls to remain	Will comply
A-5B		Correct the hatching depicting shield wall or delete	Deleted
A-5B		correct the height of the Linac tunnel	Will comply- information recently received.
A-5B		label existing Klystron Gallery	Will comply
A-5B		Call out existing vs. new concrete slabs.	Will comply
A-5B		Add section title for Section 3	Will comply
A-5B		Identify roof water drainage gutter solution	Will provide in Title II
A-6B		Clearly identify new construction from existing to remain	Line type variation is apparent on full-size drawings- Added key notes as well.
A-6B		Modify line type to delineate new construction from existing	Line type variation is apparent on full-size drawings- Added key notes as well.
A-6B		Identify Light fixtures outside door?	Will comply
A-6B		Correct or remove concrete wall	Deleted
A-6B		♦2 similar siding, not necessary to exactly match	Will comply
S-1B		Show existing electrical alcove building next to mechanical equip	Will comply
S-1B		dimension unclear	Moved note to left
S-1B		do not show RF hut roof joists in foundation plan	Will comply
S-1B		Indicate thickness of equipment pads	Will provide in Title II
S-1B		Revise Title as shown on markup	Will comply
S-1B		Relocate title of detail 2	Will comply
3-16		Roof framing plan will require seismic approval - verify designed to SLAC	Will Comply
S-2B		Istandard	Will provide in Title II
S-2B		Revise Title as shown on markup	Will comply
S-2B		Revise Title as shown on markup	Will comply
S-3B		Identify sizes of columns	Will comply
S-3B		Provide detailed design of lifting eyes and put weight of hatches on drawing	Will provide in Title II
S-3B		Provide a detail of the roof gutter	Will provide in Title II
S-3B		Raised floor to be omitted	Will provide in Title II. Will provide in Title II. Requires design change.
S-3B		Provide clarification to detail 2 as noted on markup	Will provide in Title II. Requires design change. Will provide in Title II
M-2B		Many details are missing from the various equipment schedules.	Will provide in Title II
IVI-ZD			will provide in Title II
MOD		Verify that equipment and related work areas do not extend into existing driveway	No equipment extends into driveway
M-3B M-3B		Note 3 "laser" misspelled	No equipment extends into driveway. Corrected
M-3B		Specify seismic securing for mechanical equipment	Will provide in Title II
M-3B		Freight Room is misspelled	Corrected
M-3B		confirm location of water connections	Will provide in Title II
M-3B		Add a humidifier to the HVAC system	Will provide in Title II Will provide in Title II - Late addition to SOW.
		, , , , , , , , , , , , , , , , , , ,	
M-3B M-3B		Remove unnecessary lines from drawing Clarify location of fan coil unit - on floor or ceiling or other?	Will comply
			Floor
M-4B		Identify floor sinks as new or existing and location	Will provide in Title II
E-1B		Add power supply, controls, crates etc racks to design	Will comply - Late addition to SOW - used old data from Design Guidelines.
E-1B		Revise Title as shown on markup	Will comply
E-1B		Delete notes - not appropriate for drawings	Will comply
E-1B		Assumption 2 - clarify provided by whom	Reference is deleted. Will provide in Title II.
E-1B		Assumption 3 "conduit 6" above the ceiling"	Will comply
E-2B		SLAC standard is for phone and data outlets together	Will comply
E-2B		Phone/data outlets required in RF hut - provide wiring	Will comply - Except wiring is by University.

Sheet			
Number	Action		Response
E-2B		Revise Title as shown on markup	Will comply
		Use recessed electrical fixtures, receptacles, etc. vs. surface mount where	
E-2B		possible	Will comply
E-2B		Remove unnecessary lines from drawing	Will comply
E-3B		Relocate light fixture in RF hut to avoid bracing	Will comply
E-3B		Identify location of lighting panel	Will comply
E-3B		Identify location of power panel	Will comply
E-3B		Revise Title as shown on markup	Will comply
E-4B		Evaluate alternative location for transformers to allow access to beam line	Will comply
E-4B		Provide telecom/data outlets	Will comply
E-4B		Note that utilities are all surface mounted in injector area	Will comply
E-4B		Relocate light fixtures to walls to allow overhead access to beamline	Will comply
E-4B		Add legend for telecom/data outlet	Will comply