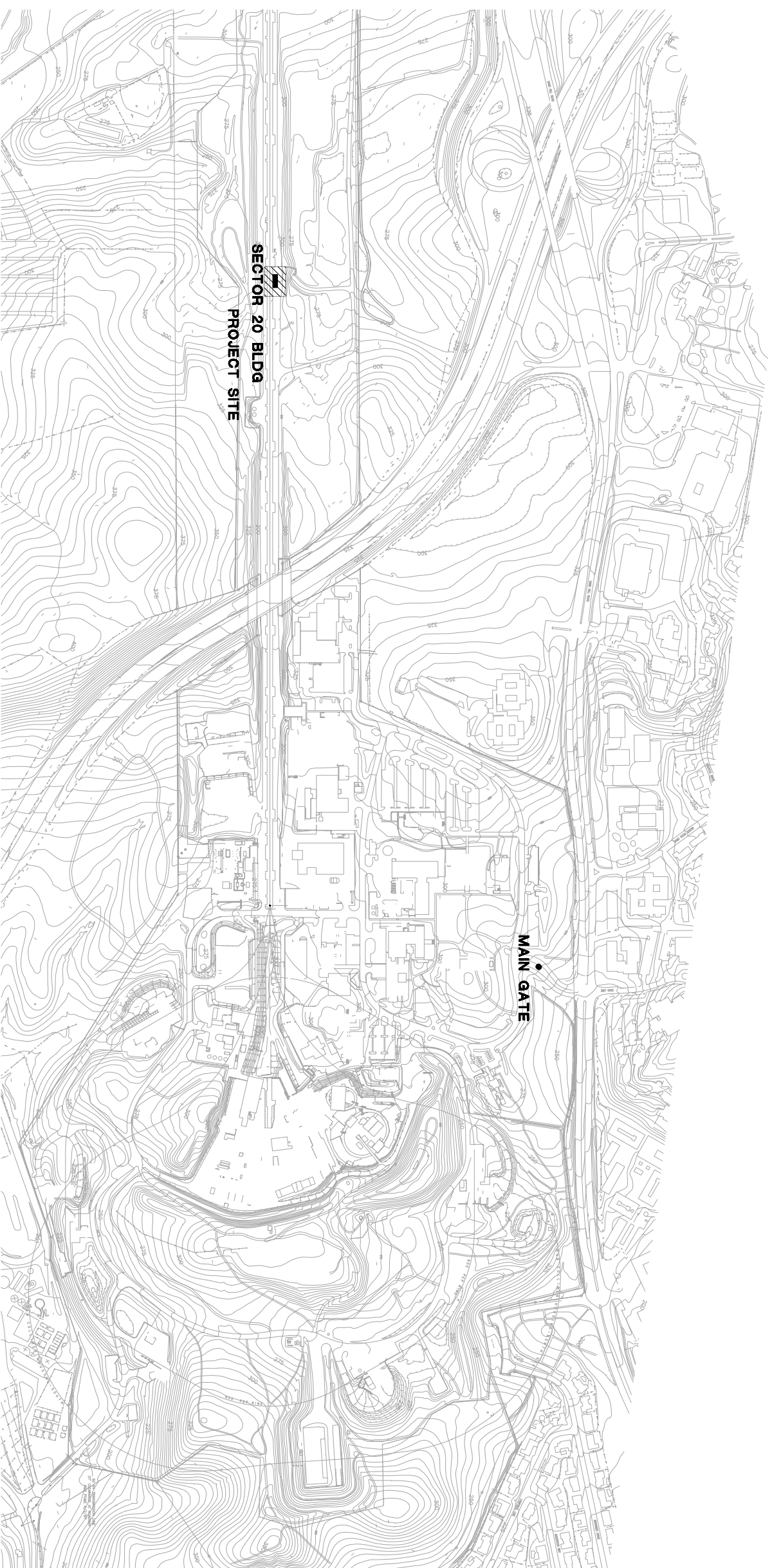


STANFORD LINEAR ACCELERATOR CENTER

LINAC COHERENT LIGHT SOURCE (LCLS) SECTOR 20



SECTOR 20 BLDG
PROJECT SITE

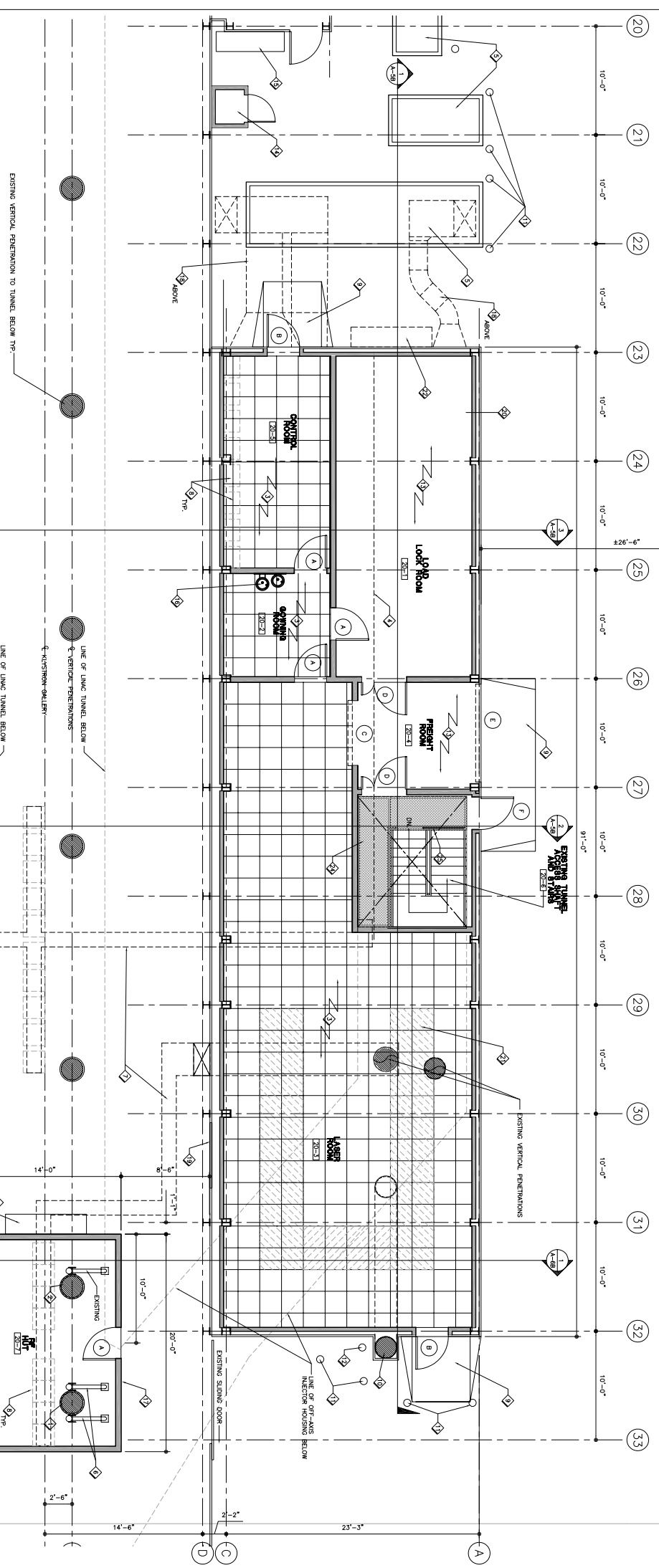
MAIN GATE



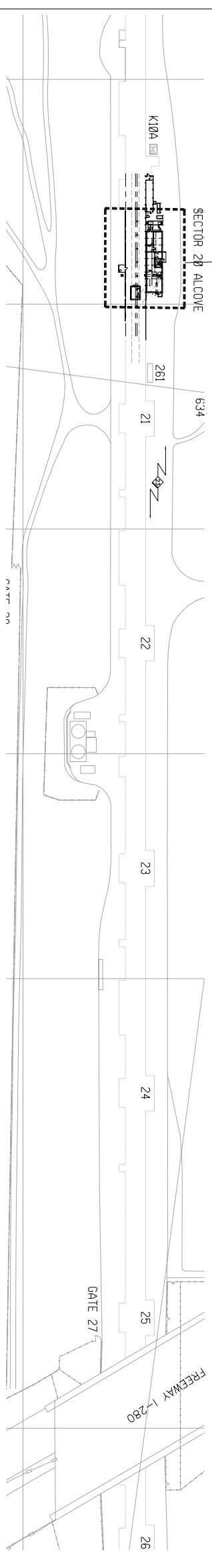
STANFORD LINEAR ACCELERATOR CENTER
U.S. DEPARTMENT OF ENERGY
STANFORD UNIVERSITY
PROJECT TEAM: SLAC, STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY
ARCHITECTURAL TITLE SHEET
DATE: 1/1/00
BY: [Signature]
APPROVALS: [Signature]

SCALE: AS NOTED	DO NOT SCALE DRAWING	T-1
STANFORD LINEAR ACCELERATOR CENTER	LCLS	
U.S. DEPARTMENT OF ENERGY	SECTOR 20 ALCOVE	
STANFORD UNIVERSITY	ARCHITECTURAL	
PROJECT TEAM: SLAC, STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY	TITLE SHEET	
ARCHITECTURAL TITLE SHEET		
DATE: 1/1/00		
BY: [Signature]		
APPROVALS: [Signature]		
380-100-001-C0		E

- 1 ACCELERON SERVICE SHWT 20-F-9 (20-17)
- 2 ACCELERON SERVICE SHWT 20-F-8-803
- 3 RAISED ACCESS FLOORING OVER REPOSED CONCRETE SLAB
- 4 LINE OF OVERHEAD CRANE
- 5 RAISED CONCRETE HOUSEKEEPING PAD
- 6 NEW OVERHEAD BEAM SUPPORT SIMONONS, BY UNIVERSITY.
- 7 OVERHEAD CABLE TRAY, BY UNIVERSITY.
- 8 24"x24"x4'-0" H. ELECTRONICS RACKS, BY UNIVERSITY.
- 9 NEW CONCRETE APRON.
- 10 RELOCATED VENTILATION SHAWT.
- 11 4" DIAMETER CONCRETE FILLED STEEL PIPE ROLLAND.
- 12 RELOCATED PNE SPRINKLER RISER.
- 13 CONCRETE FLOOR SLAB AT LEVEL OF RAISED ACCESS FLOORING.
- 14 BOILER ENCLOSURE, METAL SIDING AND ROOFING OVER LIGHT SHADE AREA, FINISHING ON RAISED CONCRETE FLOOR SLAB.
- 15 CONCRETE HOUSEKEEPING PAD.
- 16 HANDCAPPED ACCESSIBLE ELECTRIC DRINKING FOUNTAIN.
- 17 4" x 20' GAL. METAL STUDS WITH R. GYPSUM BOARD 2 SIDES WITH NEW OVERHEAD DUCTWORK.
- 18 METAL EXISTING DOOR OPENING WITH STUDS AND FINISH TO MATCH EXISTING ADJACENT WALL.
- 19 OVER LIGHT SHADE METAL STUDS AND R. GYPSUM BOARD, TYPICAL. SHADED AREA INDICATES LASER TRAILS PROVIDED BY UNIVERSITY.
- 20 TRANSFORMER RACK ABOVE.
- 21 EXISTING ROOMWALL-- SEE LOCATION PLAN FOR FULL PERSPECTIVE.
- 22 EXISTING STEEL DRIVING.
- 23 EXISTING PIPE RAIL TO REMAIN, REMOVE GATE.



2 FLOOR PLAN
SCALE: 1/4" = 1'-0"

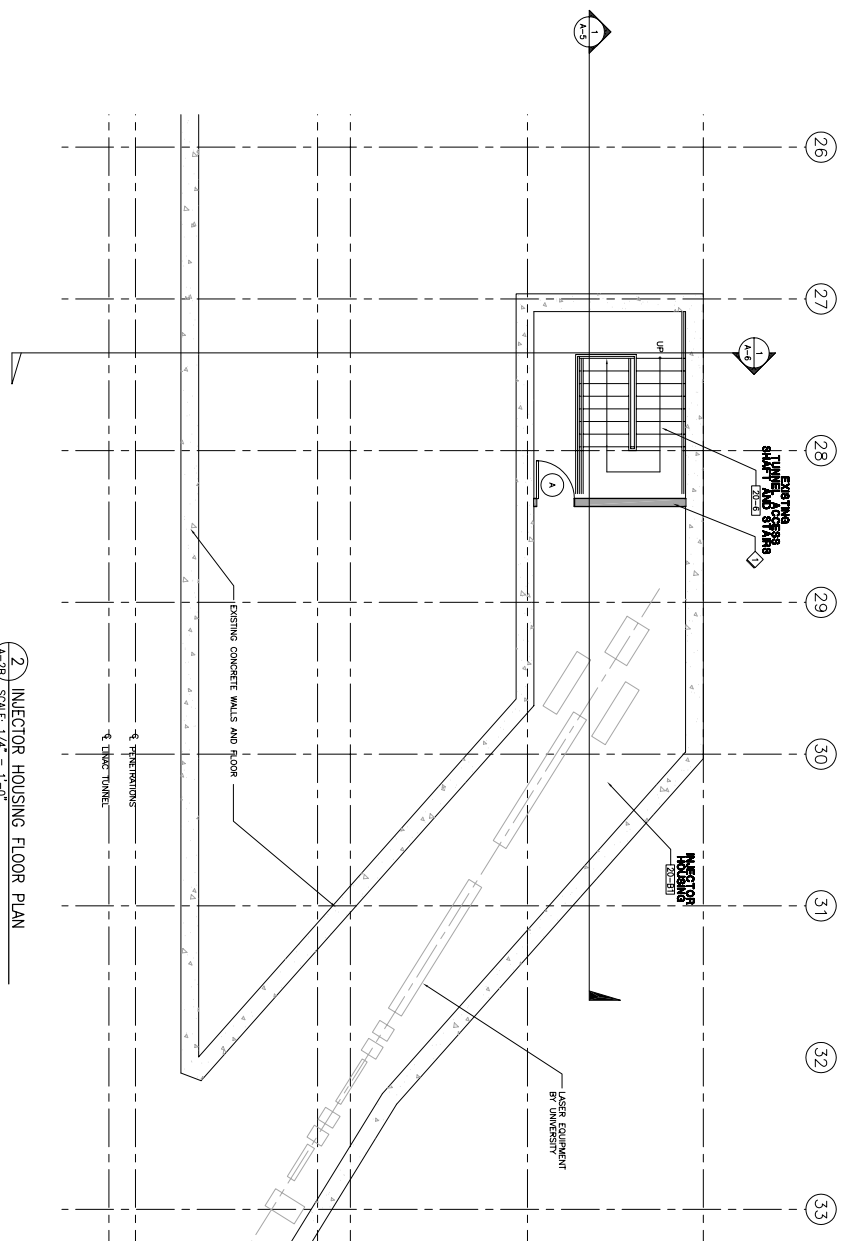


1 LOCATION PLAN
SCALE: 1" = 60'-0"

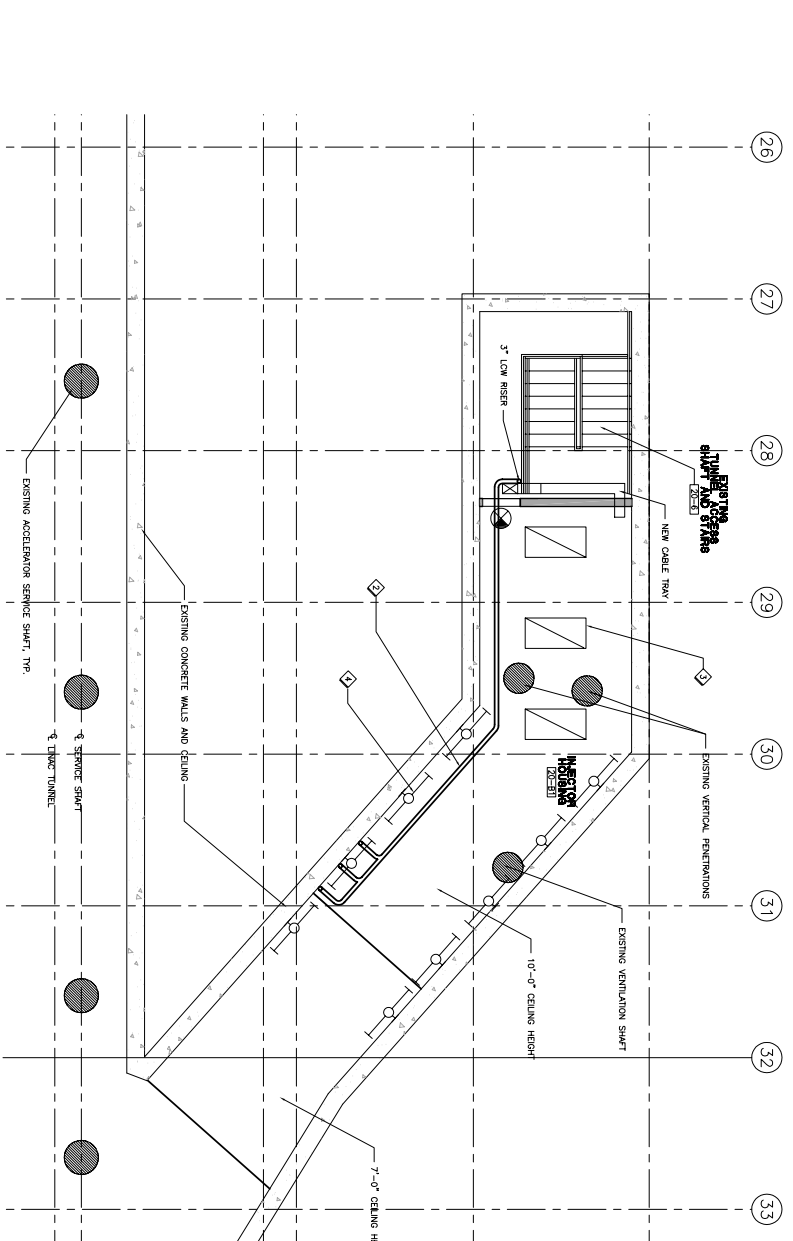
- DOOR TYPES**
- A) 3'-0" WIDE x 7'-0" HOLLOW METAL DOOR
 - B) 3'-0" WIDE x 7'-0" HOLLOW METAL DOOR
 - C) 6'-0" WIDE x 9'-0" OVERHEAD COILING DOOR
 - D) 5'-110" WIDE x 12'-0" HIGH OVERHEAD COILING METAL DOORS
 - E) 9'-0" WIDE x 12'-0" HIGH OVERHEAD COILING METAL DOORS
 - F) 3'-0" WIDE x 7'-0" HIGH HOLLOW METAL DOOR AS PART OF COILING OVERHEAD DOOR ASSEMBLY



SCALE: AS NOTED	DO NOT SCALE DRAWING
STANFORD LINEAR ACCELERATOR CENTER	
LCLS	
SECTOR 20 ALCOVE	
ARCHITECTURAL FLOOR PLAN	
DATE: 11/11/11	APPROVALS:
DWG: 380-100-004-C0	REV: E



2 INJECTOR HOUSING FLOOR PLAN
SCALE: 1/4" = 1'-0"

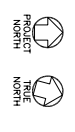


1 INJECTOR HOUSING REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

- ◆ 4" METAL STUD PARTITION WALL WITH 1/2" GYP. BO. SHEATHING OVER STUDS WITH R-19 INSULATION TIGHT TO EDGE OF EXISTING SHWFT
- ◆ PROVIDE NEW 3" DIAMETER COPPER PIPE LOOP FOR L.C.M. ROUNDED DOWN TUNNEL ACCESS SHWFT AND ALONG CEILING. PROVIDE NEW 2"x4" SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE.
- ◆ PROVIDE NEW 4'-0" LONG FLUORESCENT WALL MOUNTED LIGHT FIXTURE.

DOOR TYPES
A 3'-0" WIDE x 7'-0" HIGH HOLLOW METAL DOOR

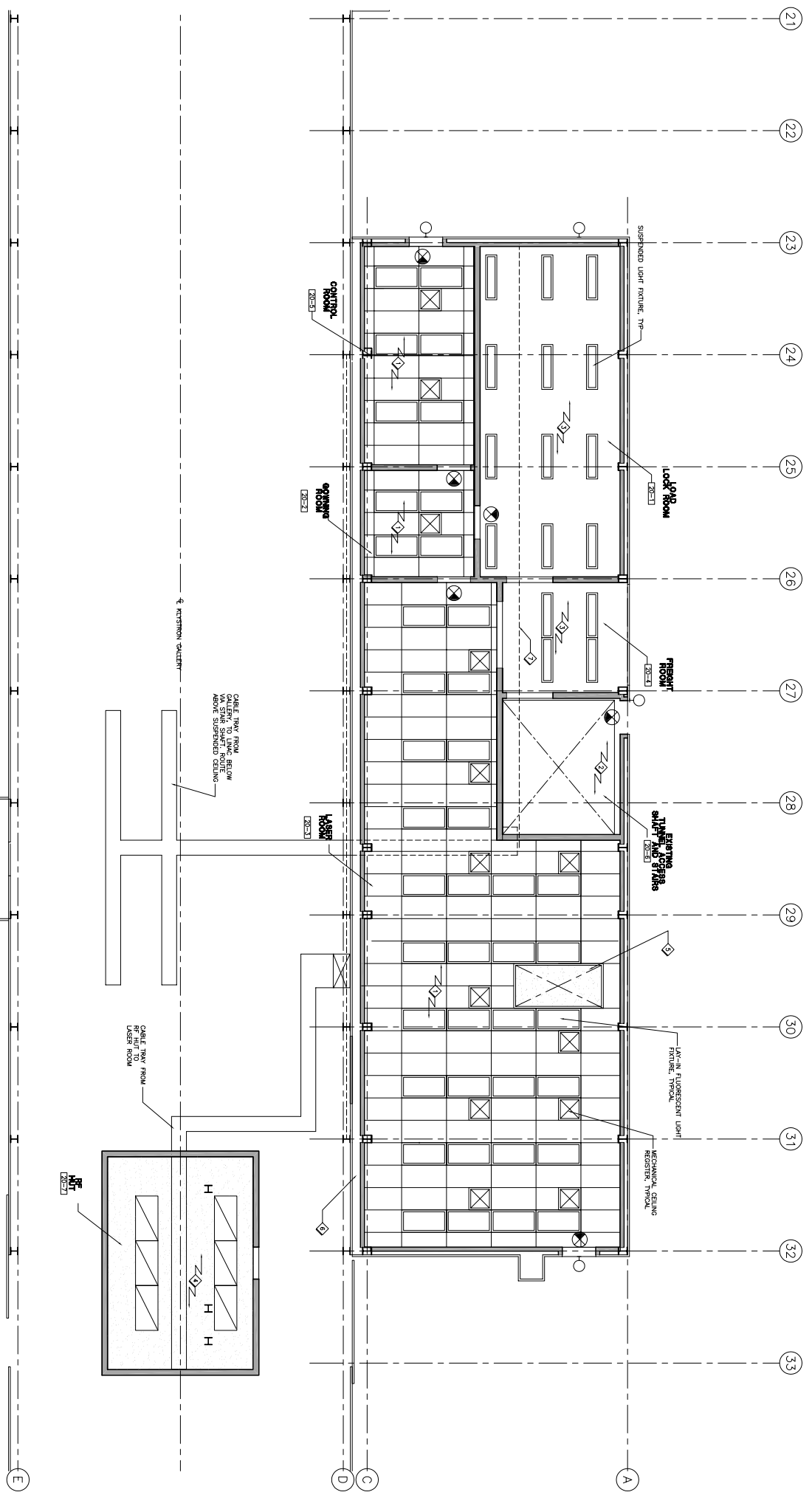
SCALE: AS NOTED DO NOT SCALE DRAWING



STANFORD LINEAR ACCELERATOR CENTER	LCLS
STANFORD UNIVERSITY U.S. DEPARTMENT OF ENERGY	SECTOR 20 INJECTOR HOUSING
PROJECT TEAM: STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY STANFORD CALIFORNIA GRANTED SPECIFIC PERMISSION OF STANFORD UNIVERSITY.	ARCHITECTURAL FLOOR PLAN
DATE: 1/1/11 APPROVALS:	380-100-005-C0
DRS: [Signature] CND: [Signature]	E



- ◇ ASBESTO SUSPENDED CEILING SYSTEM HANG FROM STRUCTURE ABOVE
- ◇ REMOVABLE ROOF HATCH - EXPOSED CEILING
- ◇ EXPOSED STRUCTURE ABOVE
- ◇ 1" GYP. BO. CEILING, OVER CEILING 18 GA. JOISTS AT 16" O.C. WITH R-35 INSULATION.
- ◇ REMOVABLE ROOF HATCH ALIGNED OVER EXISTING VERTICAL PENETRATIONS.
- ◇ RETURN AIR PENNAL
- ◇ CENTER LINE OF MONORAIL CRANE



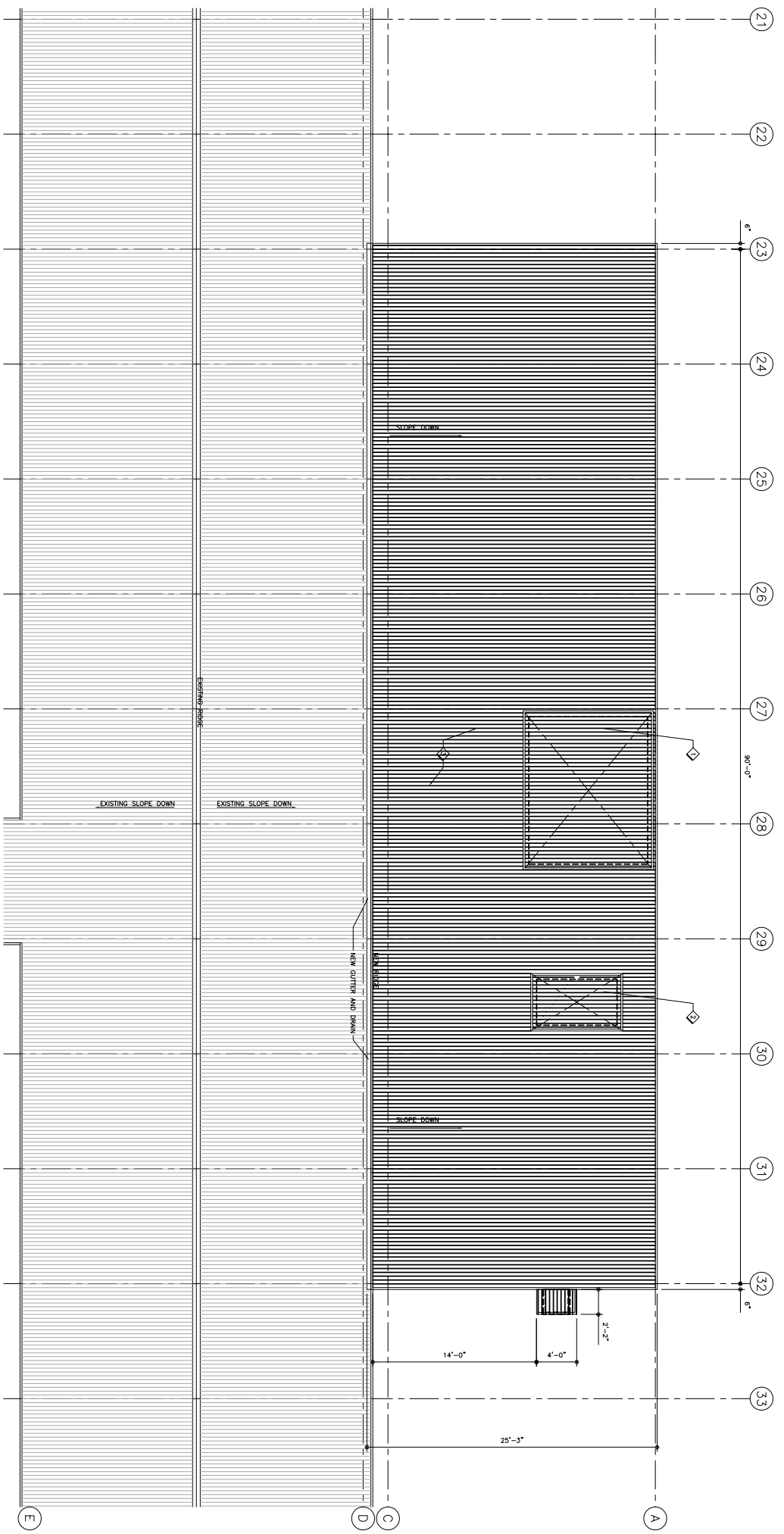
2 REFLECTED CEILING PLAN
A-3B SCALE: 1/4" = 1'-0"



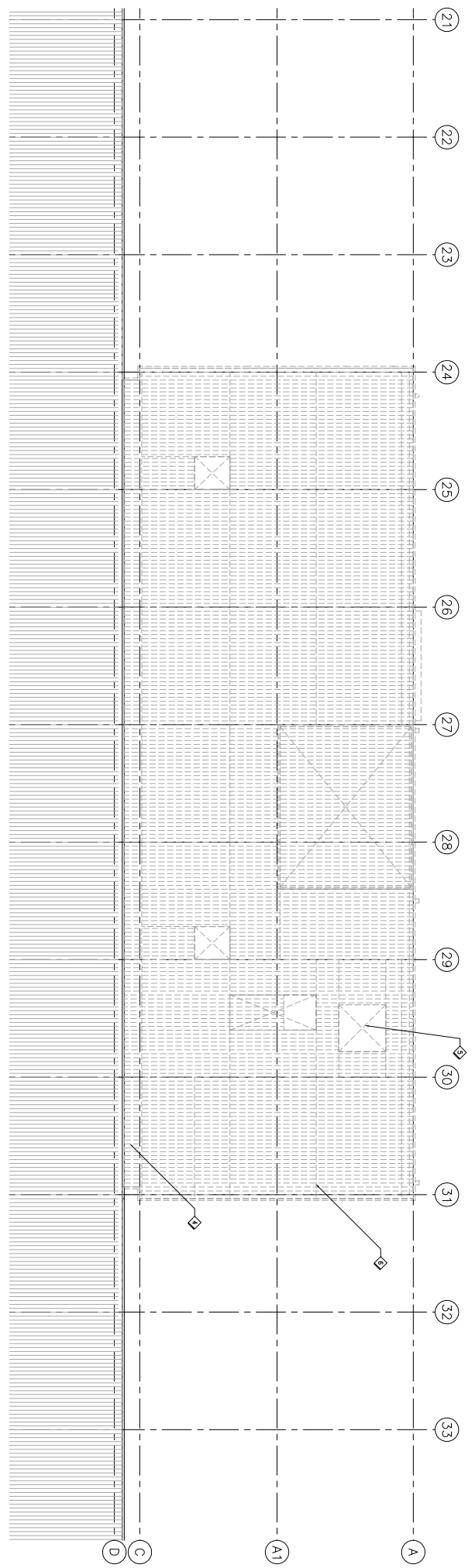
SCALE: AS NOTED	DO NOT SCALE DRAWING	A-3B
STANFORD LINEAR ACCELERATOR CENTER		
LCLS		
SECTOR 20 ALCOVE		
ARCHITECTURAL		
REFLECTED CEILING PLAN		
DATE: 1/1/11	APPROVALS:	380-100-006-C0
DRS:		E
CHK:		
APP:		
DES:		



- 1 14'-0" x 12'-0" REMOVABLE ROOF HATCH WITH BUILT-IN LIFTING EYES.
- 2 5'-0" x 8'-0" REMOVABLE ROOF HATCH WITH BUILT-IN LIFTING EYES.
- 3 STAINLESS STEEL METAL ROOFING TO MATCH EXISTING ADJACENT METAL ROOFING AS AVAILABLE AS POSSIBLE.
- 4 GUT EXISTING SECTION 20 ALONG METAL ROOF FROM EXISTING ALUMINUM GALLERY METAL ROOFING TO REMAIN.
- 5 SALVAGE EXISTING HATCH, STORE PER UNIVERSITY'S INSTRUCTIONS.
- 6 REMOVE AND SALVAGE EXISTING SECTION 20 ALONG METAL ROOF. STORE PER UNIVERSITY'S INSTRUCTIONS.



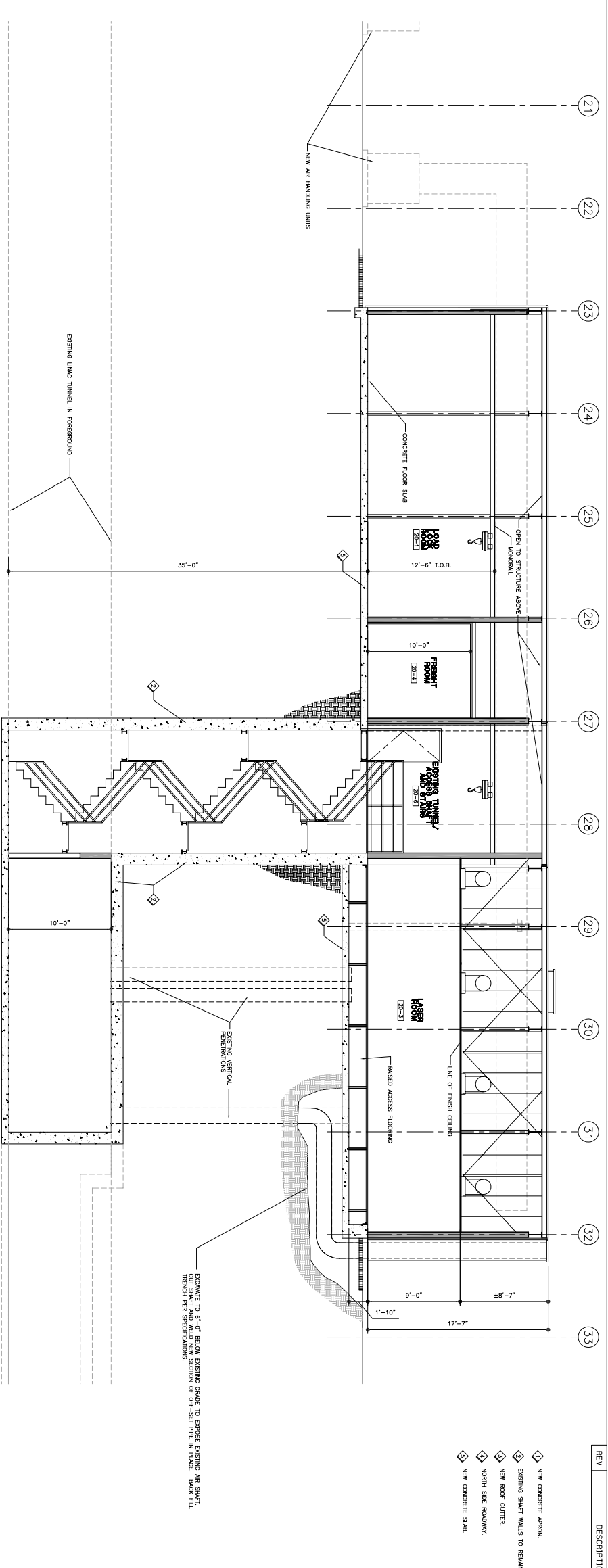
2 NEW CONSTRUCTION ROOF PLAN
SCALE 1/4" = 1'-0"



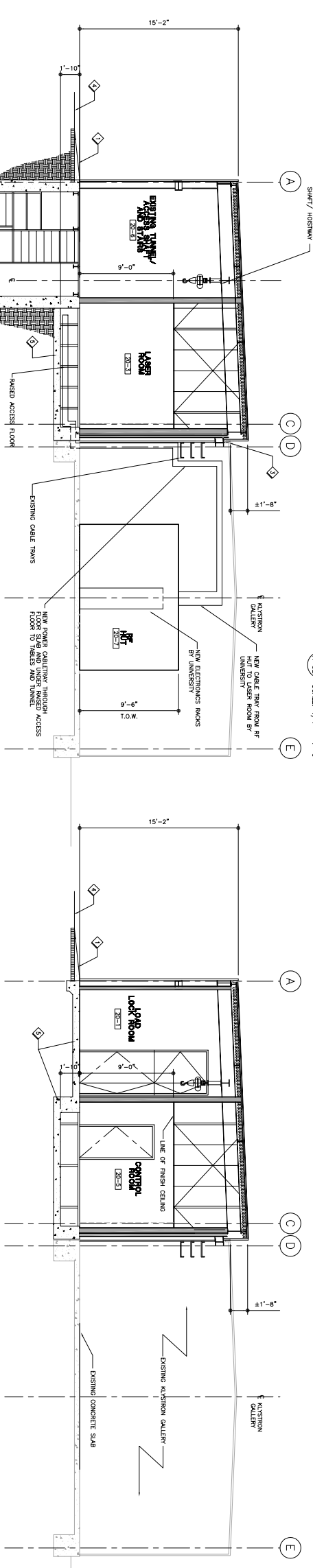
1 ROOF DEMOLITION PLAN
SCALE 1/4" = 1'-0"

SCALE: AS NOTED	DO NOT SCALE DRAWING
STANFORD LINEAR ACCELERATOR CENTER	
LCLS	
SECTOR 20 ALCOVE	
ARCHITECTURAL	
ROOF PLAN	
DATE: 1/1/11	APPROVALS:
DRS: [Signature]	[Signature]
CHK: [Signature]	[Signature]
APP: [Signature]	[Signature]
380-100-007-C0	E

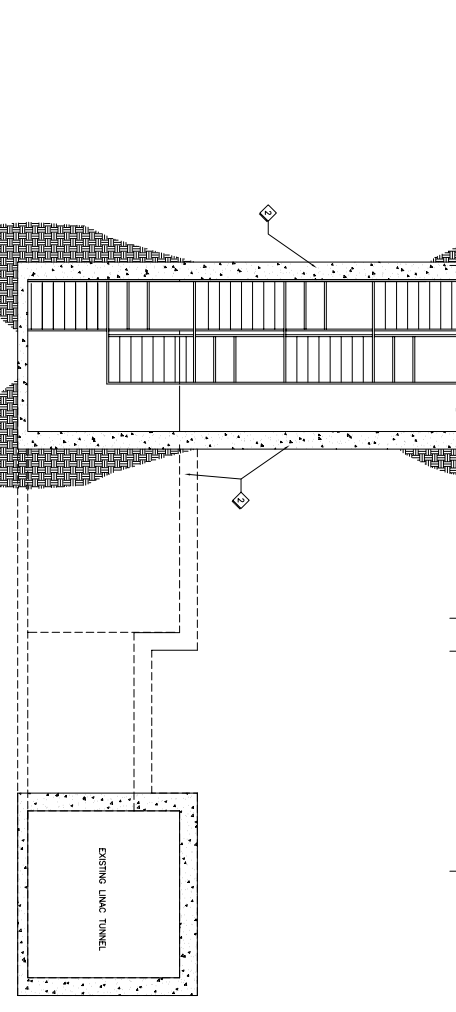




1 SECTION
A-5B SCALE: 1/4" = 1'-0"

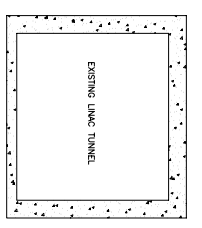


2 SECTION
A-5B SCALE: 1/4" = 1'-0"



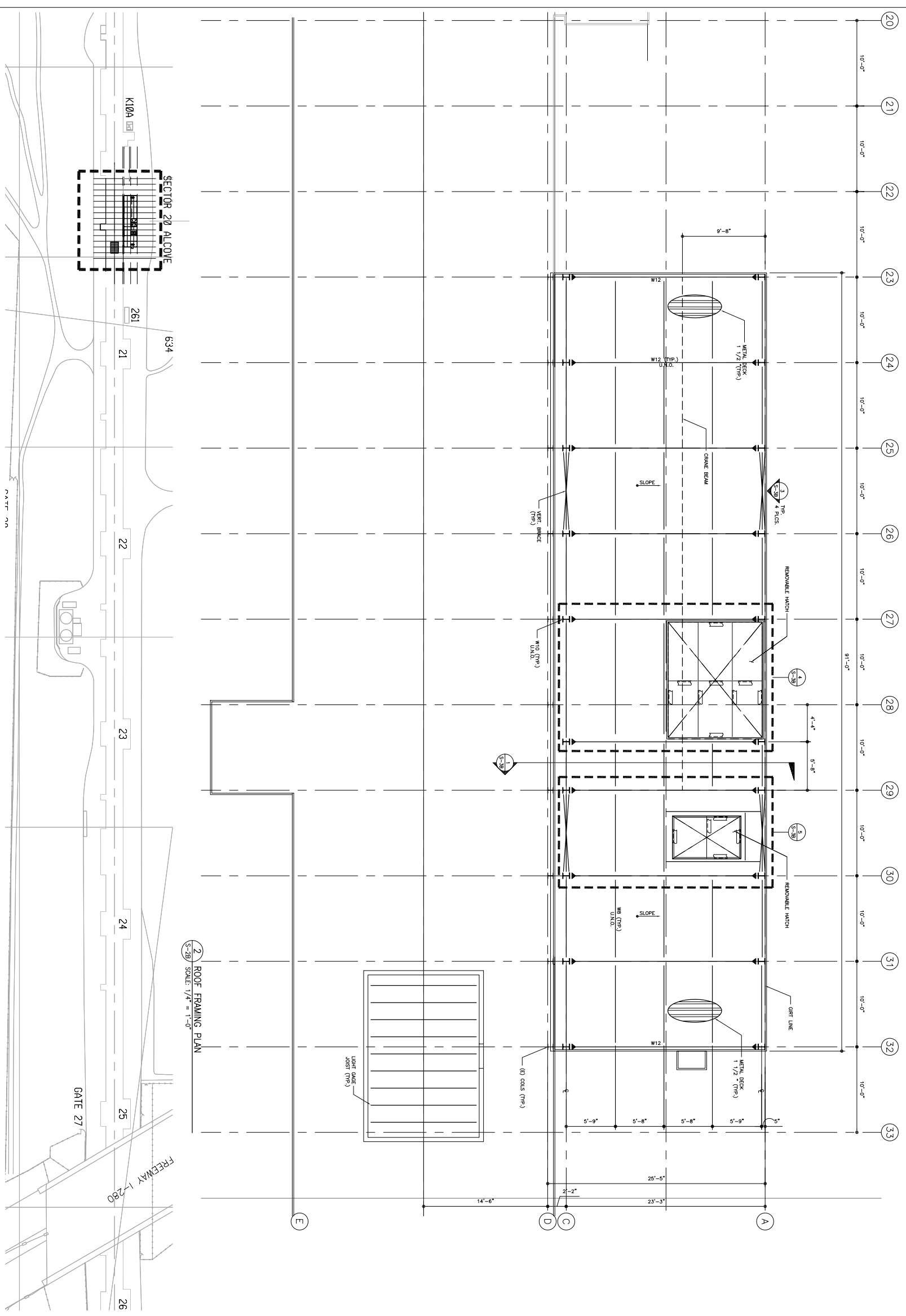
3 SECTION
A-5B SCALE: 1/4" = 1'-0"

- 1 NEW CONCRETE APRON.
- 2 EXISTING SHUTT WALLS TO REMAIN.
- 3 NEW ROOF GUTTER.
- 4 NORTH SIDE ROADWAY.
- 5 NEW CONCRETE SLAB.



STAC JACOBS
1000 THIRD STATION, SUITE 100
MILPITAS, CALIFORNIA 95028 U.S.A.
TEL: (950) 256-7500 FAX: (950) 256-7399

SCALE: AS NOTED	DO NOT SCALE DRAWING
STANFORD LINEAR ACCELERATOR CENTER	
LCLS	
SECTOR 20 ALCOVE	
ARCHITECTURAL	
BUILDING SECTIONS	
DATE: 1/1/00	APPROVALS:
DRN: [Signature]	[Signature]
CHK: [Signature]	[Signature]
APP: [Signature]	[Signature]
DATE: 1/1/00	APPROVALS:
DRN: [Signature]	[Signature]
CHK: [Signature]	[Signature]
APP: [Signature]	[Signature]
DATE: 1/1/00	APPROVALS:
DRN: [Signature]	[Signature]
CHK: [Signature]	[Signature]
APP: [Signature]	[Signature]



1 LOCATION PLAN
Scale: 1" = 60'-0"

2 ROOF FRAMING PLAN
Scale: 1/4" = 1'-0"



SCALE: AS NOTED
DO NOT SCALE DRAWING

STANFORD LINEAR ACCELERATOR CENTER
LCLS
SECTION 20 ALCOVE
STRUCTURAL
ROOF FRAMING PLAN

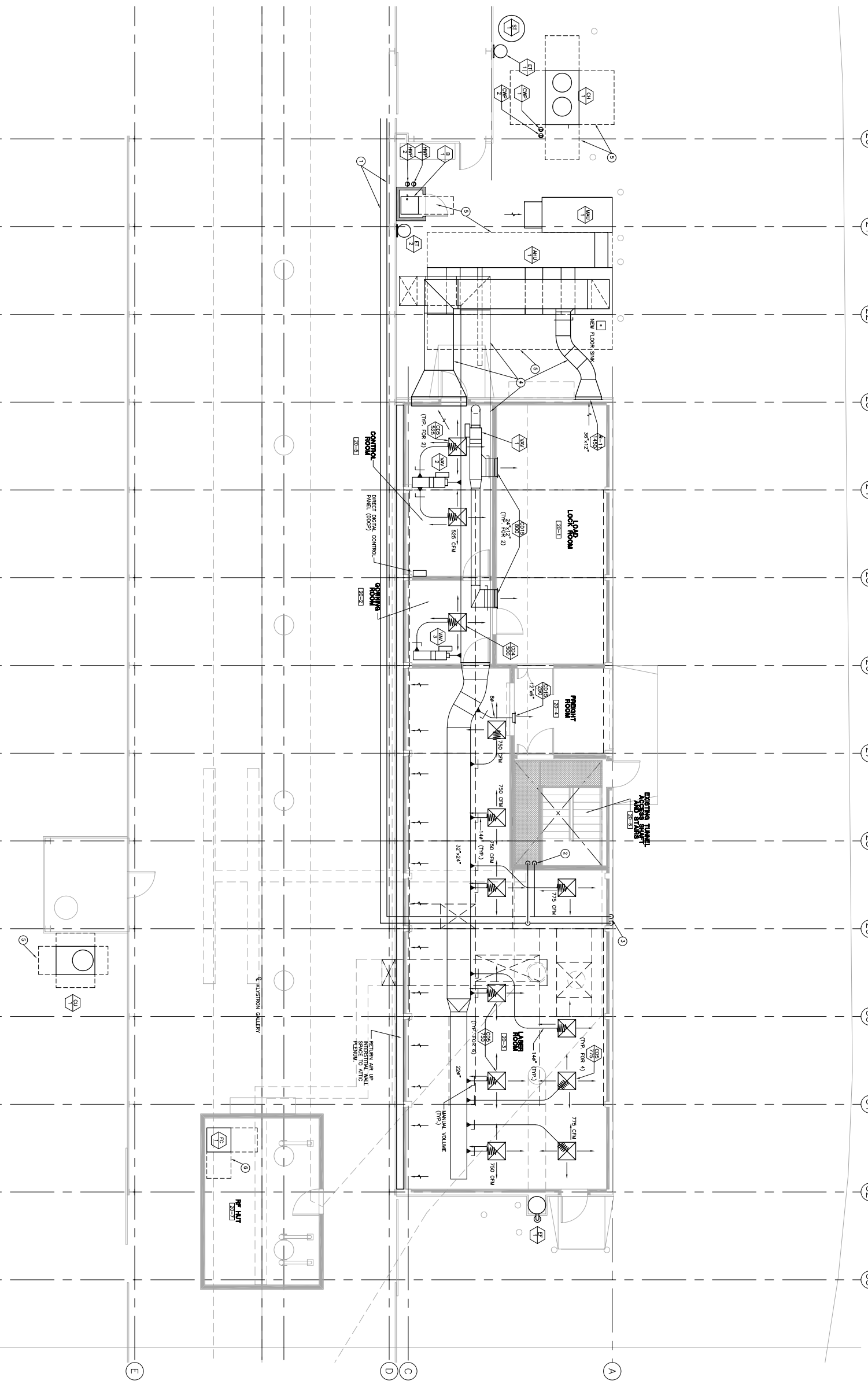
STANFORD UNIVERSITY
U.S. DEPARTMENT OF ENERGY
PROJECT TITLE
NORTH

PROJECT NO. 380-100-011-C0

DATE APPROVALS



20 21 22 23 24 25 26 27 28 29 30 31 32 33

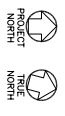


- NOTES:**
- 1" COOLING WATER SUPPLY AND RETURN, 33 GPM, 40-60 P.S.I., 2' 200' FROM / TO PUMP ROOM 440' TOTAL LENGTH.
 - 3" COOLING WATER SUPPLY AND RETURN, 30" DOWN.
 - 3" COOLING WATER SUPPLY AND RETURN DN AND 3" COOLING WATER SUPPLY AND RETURN UP.
 - CONDENSING WATER SUPPLY AND RETURN DN INSULATION IN CENTER AND INSIDE OF FLOOR DENSITY INSULATION REMAIND ON OUTSIDE OF DUCT WITH VAPOR BARRIER AND REMAIND ON INSIDE.
 - SPACE ALLOCATED FOR SERVICE AND AIR FLOW.
 - COIL UNIT (SERVICE AND AIR FLOW).

1 MECHANICAL PLAN
SCALE 1/4" = 1'-0"

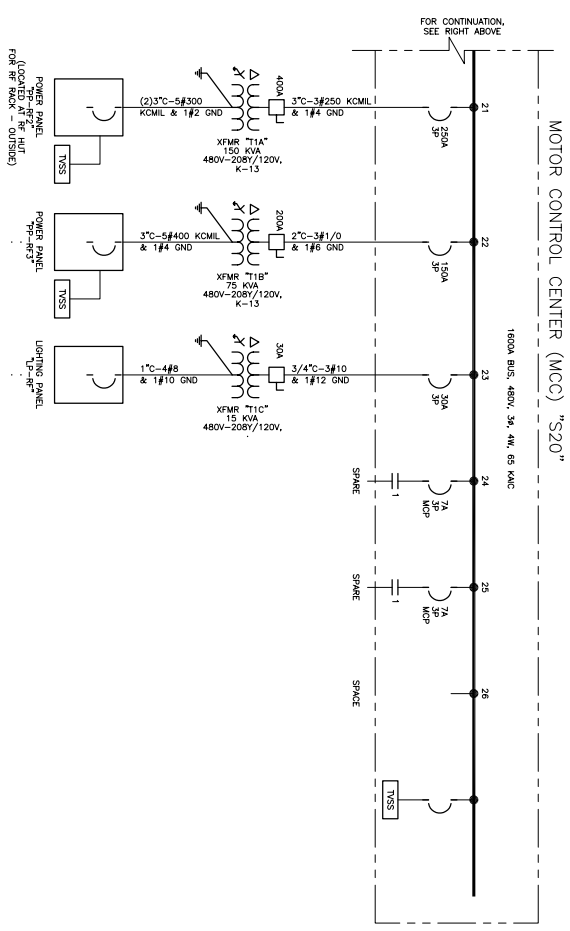
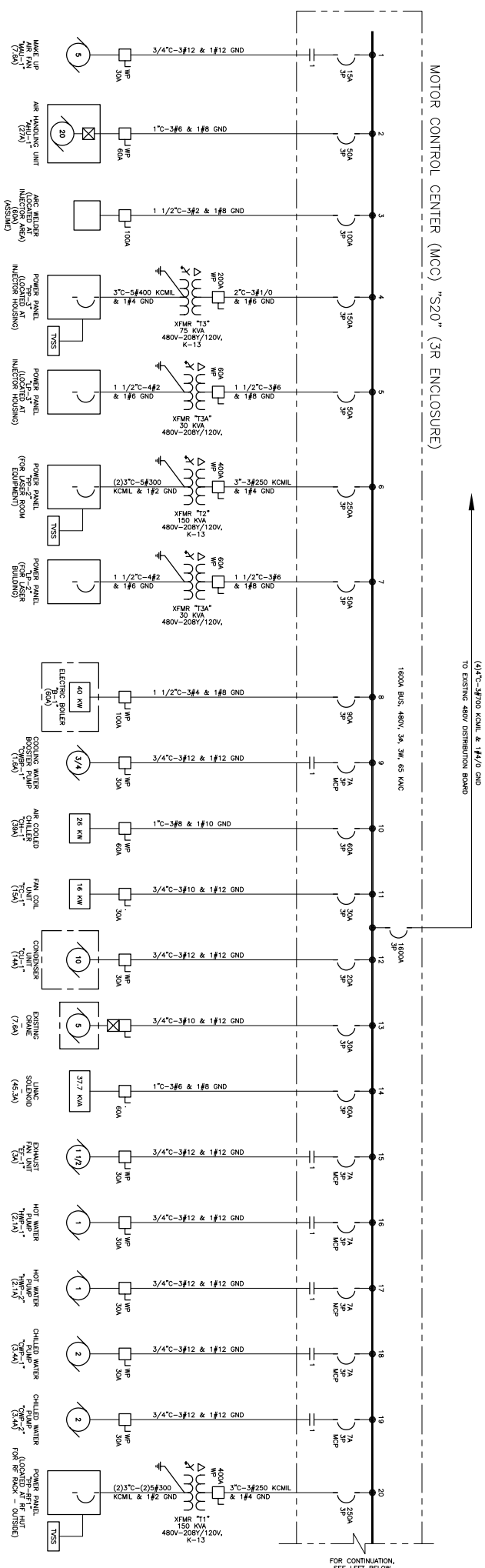


SCALE: AS NOTED	DO NOT SCALE DRAWING
STANFORD LINEAR ACCELERATOR CENTER	
LCLS	
SECTOR 20 ALCOVE	
MECHANICAL PLAN	
DATE: 1/1/00	APPROVALS:
DRS: [Signature]	[Signature]
CHK: [Signature]	[Signature]
380-100-014-C0	E



ASSUMPTIONS:

1. ARC WELDER - 60A (UNIVERSITY TO PROVIDE LOAD).
2. TELECOMMUNICATIONS/PLANNING LINES - PROVIDE OUTLET AND CONDUIT ONLY UP TO 6" ABOVE CEILING. UNIVERSITY WILL COMPLETE THE WIRING/INSTALLATION.
3. INSTRUMENTATION - PROVIDE THE CABLE TRAYS. ALL CABLE TRAYS WILL BE GROUNDING.
4. LASER ROOM WORK BENCH WILL BE GROUNDING (NEEDS UNIVERSITY TO PROVIDE TYPICAL GROUNDING DETAIL).

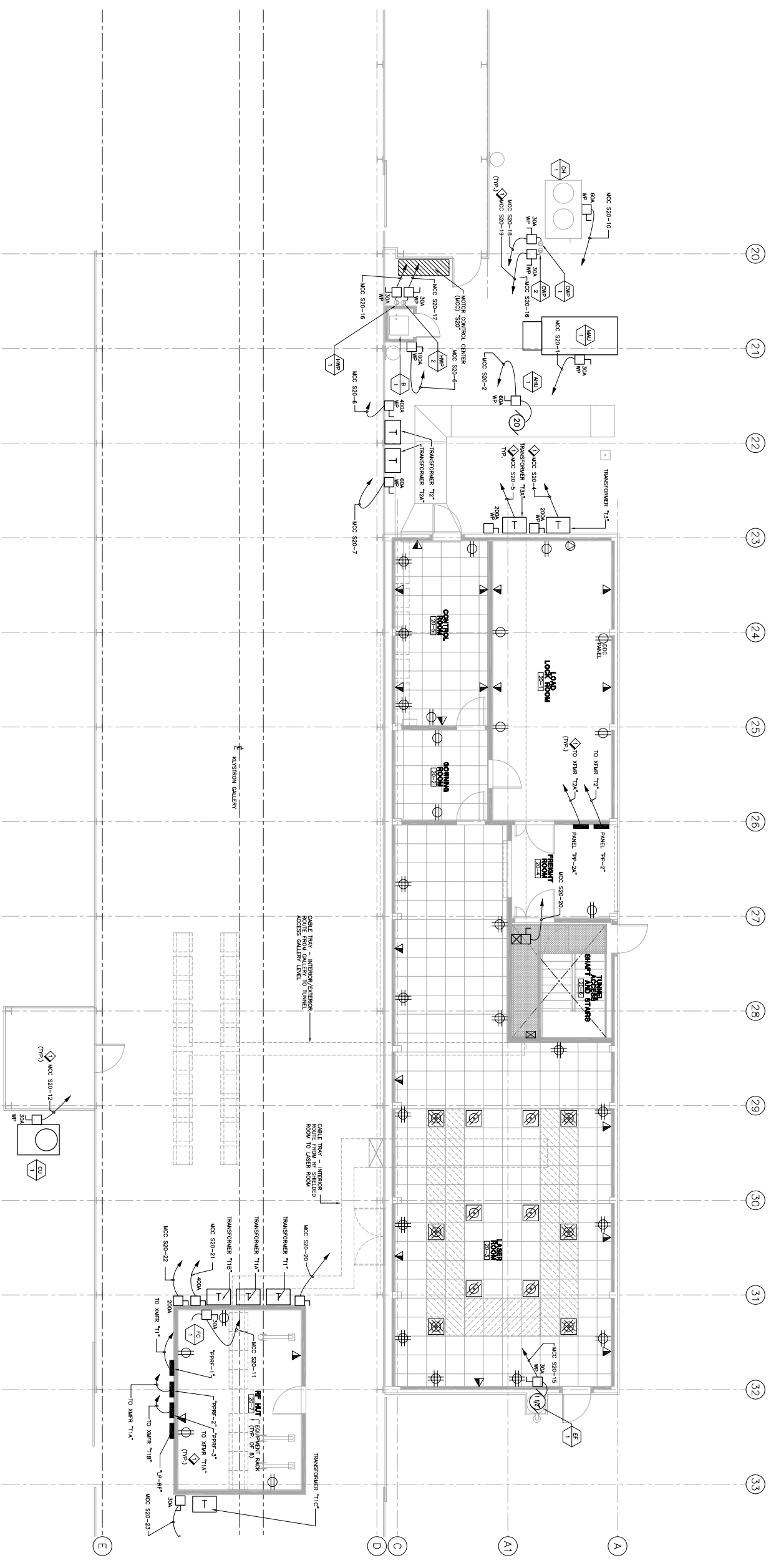


SINGLE LINE DIAGRAM
NOT TO SCALE

REV	DESCRIPTION	BY	CHK	APP	DATE

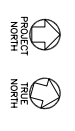


SCALE: AS NOTED	DO NOT SCALE DRAWING
STANFORD LINEAR ACCELERATOR CENTER	
SECTOR 20 ALCOVE	
ELECTRICAL	
SINGLE LINE DIAGRAM	
DATE: 1/1/2003	APPROVALS:
DWG NO: 380-100-017-C0	E

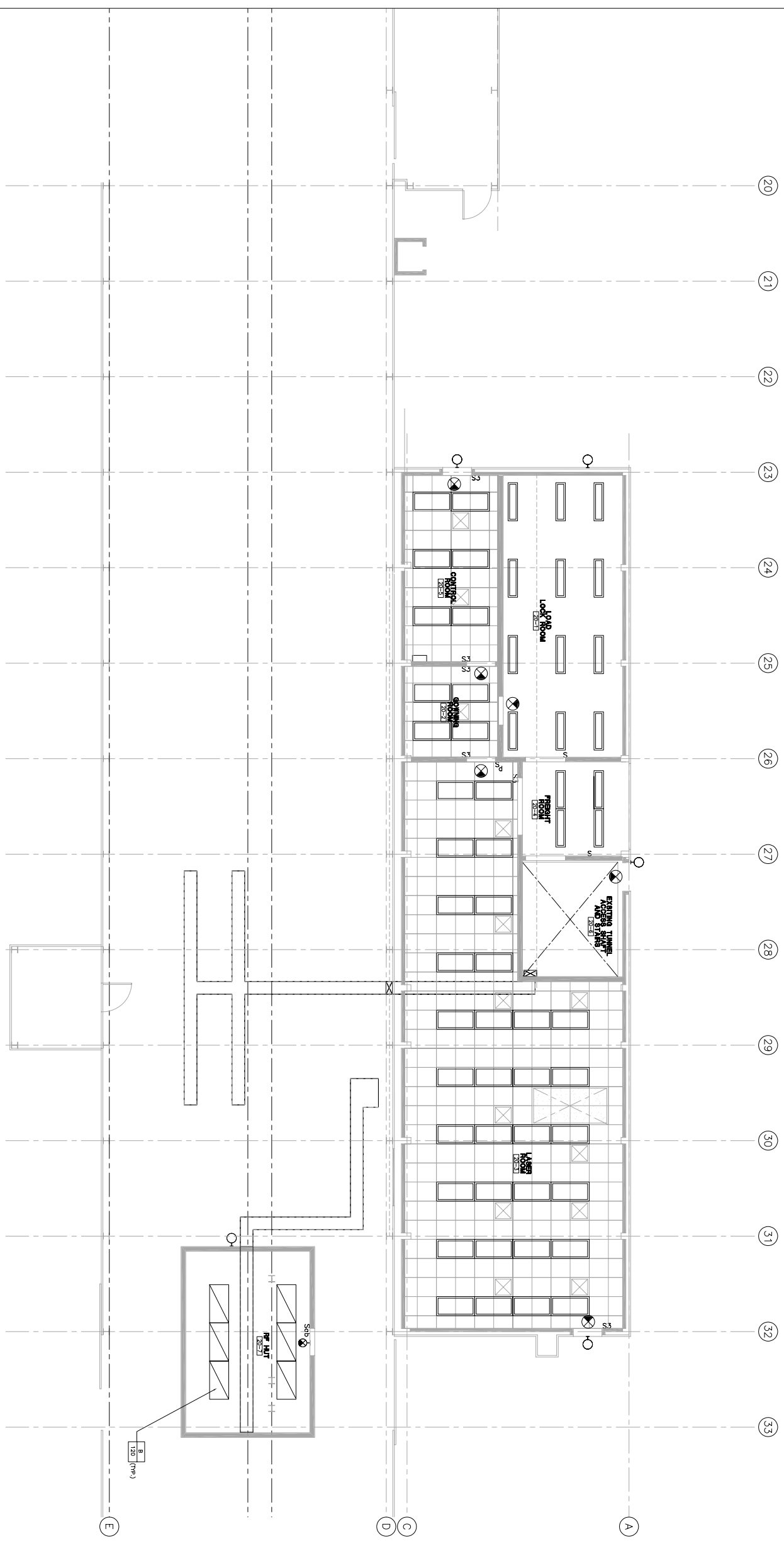


1 ELECTRICAL POWER AND TELECOMMUNICATIONS PLAN
 E-2B SCALE 1/4" = 1'-0"

KEY NOTES:
 ◇ FOR CONDUIT & CABLES SIZES, SEE SINGLE LINE DIAGRAM
 ON OMR, E-2B



SCALE: AS NOTED	DO NOT SCALE DRAWING	E-4B
STANFORD LINEAR ACCELERATOR CENTER		
LCLS		
SECTOR 20 ALCOVE		
ELECTRICAL		
POWER & TEL/DATA PLAN		
DATE: 1/1/00	APPROVALS:	E
DRN:	CHK:	
APP:	DATE:	



1 GROUND FLOOR LIGHTING PLAN
 E-3B SCALE: 1/4" = 1'-0"

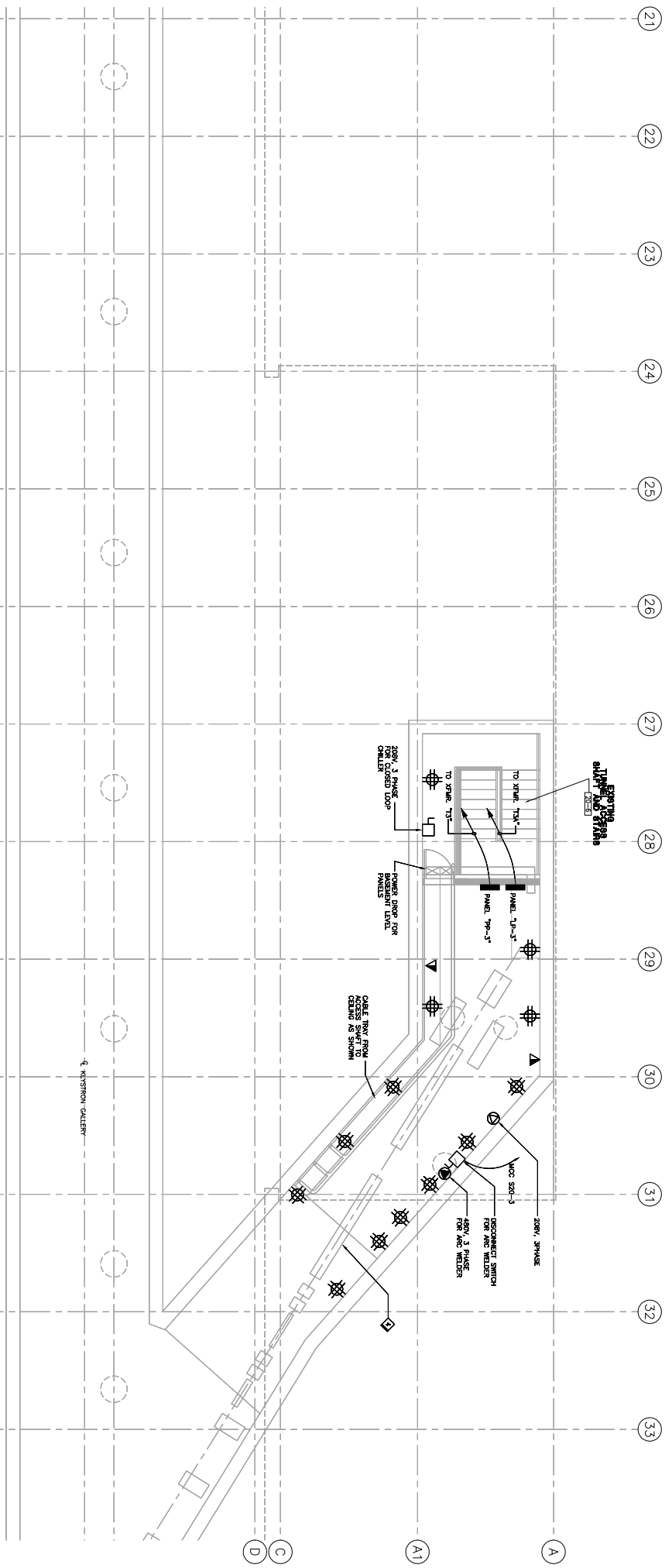


PROJECT
 THREE
 NORTH

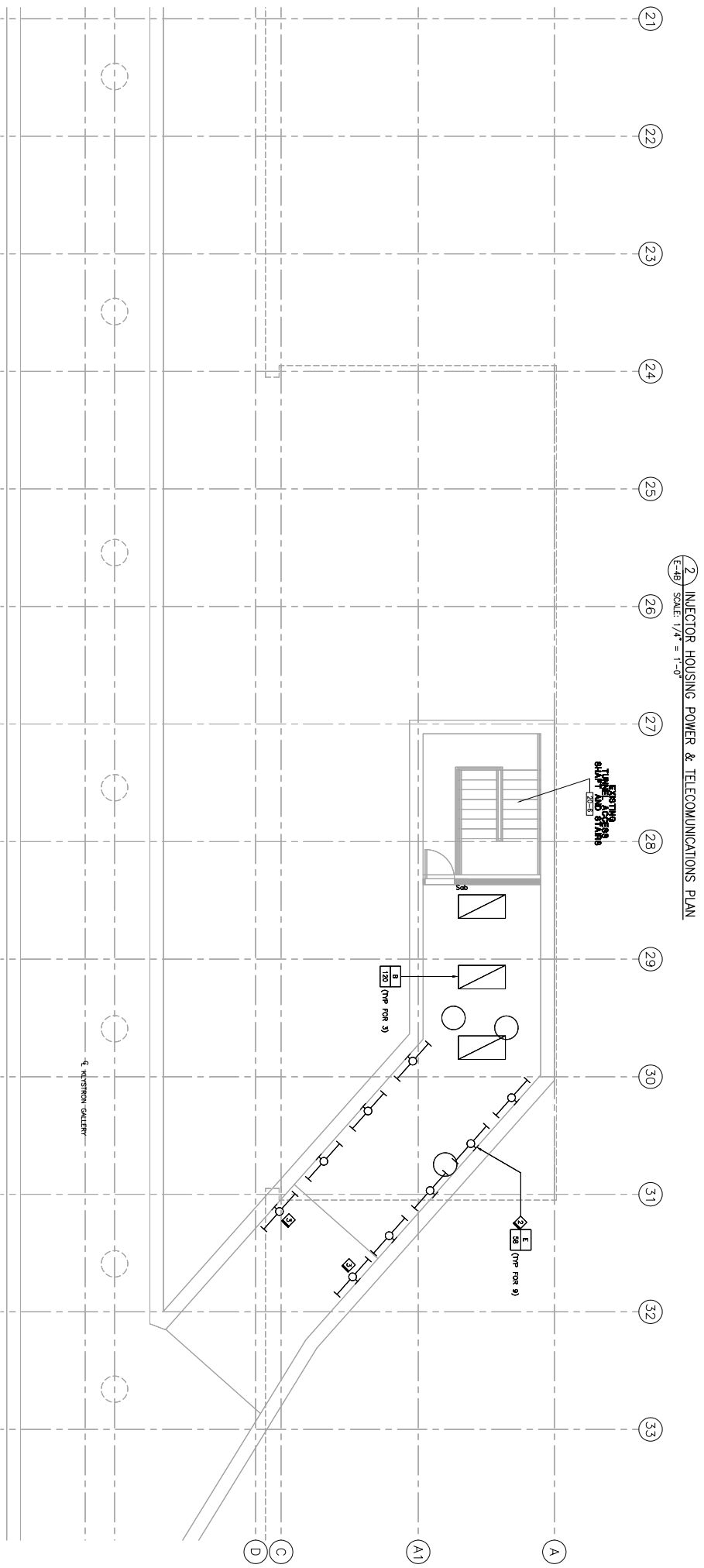
SCALE: AS NOTED	DO NOT SCALE DRAWING	E-3B
STANFORD LINEAR ACCELERATOR CENTER		LCLS
STANFORD UNIVERSITY U.S. DEPARTMENT OF ENERGY STANFORD CALIFORNIA		SECTOR 20 ALCOVE
PROJECT TEAM: CITY OF STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY STANFORD UNIVERSITY GRANTED SPECIFIC PERMISSION OF STANFORD UNIVERSITY.		ELECTRICAL
DATE: 1/20/11		GROUND FLOOR LIGHTING PLAN
DRS	APPROVALS	380-100-018-C0
CHK		E
APP		



STANFORD UNIVERSITY
 380 TANK BUILDING, SUITE 100
 WOODLARK CREEK, CALIFORNIA 94304 U.S.A.
 TEL: (925) 236-7500 FAX: (925) 236-7399



- KEY NOTES:
- ◆ FOR CONDUIT & CABLES SIZES, SEE SINGLE LINE DIAGRAM ON DWG. #E-5B
 - ◆ MOUNT LIGHTING FIXTURE BELOW CEILING, CEILING HEIGHT, 10'-0" A.F.F.
 - ◆ MOUNT LIGHTING FIXTURE BELOW CEILING, CEILING HEIGHT 7'-0" A.F.F.
 - ◆ LASER EQUIPMENT BY UNIVERSITY



SCALE: AS NOTED	DO NOT SCALE DRAWING
STANFORD LINEAR ACCELERATOR CENTER	
LCLS	
STANFORD UNIVERSITY U.S. DEPARTMENT OF ENERGY STANFORD CALIFORNIA	
PROJECT NAME: STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY PROJECT NUMBER: 380-100-0220-C0 DATE: 1/1/00 APPROVALS: [Signature]	
PROJECT THREE NORTH	E-5B
PROJECT NUMBER	DATE
380-100-0220-C0	E

