STEEL DECK SCHEDULE  STEEL DECK SCHEDULE											
MARK	STEEL DECK				CONCRETE FILL			STEEL DECK	MIN. ALLOWABLE	NOTES	
	PROFILE	MIN I (in <sup>4</sup> /ft)	MIN S (in³/ft)	FINISH	THICKNESS (t)	TYPE	REINFORCEMENT	ATTACHMENT	SHEAR CAPACITY	NOTES	
SD-1	TYPE W3 3" DEEP x 20 GA	0.907	0.510	PHOSPHATIZED/ PAINTED	6.1/2"	LIGHT WEIGHT	6x6-W2.0xW2.0 WWF OR FIBER	SDA-1	1810 PLF @ 10'-0"	2 HR FIRE RATING	
SD-2	TYPE N3 3" DEEP x 20 GA	2 0.889	0.452	GALVANIZED (G60)	-	-	-	SDA-4	1124 PLF @ 10'-0"	-	

1. STEEL DECK SHALL COMPLY WITH LATEST REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI). 2. SUBMIT CURRENT CODE EVALUATION REPORT (ICC OR IAPMO) WITH LOAD AND LATERAL SHEAR CAPACITIES WITH SHOP DRAWINGS.

3. FIBER REINFORCEMENT, WHEN REQUIRED IN SCHEDULE, SHALL BE MACROSYNTHETIC FIBER REINFORCEMENT PER THE CONCRETE MATERIALS SECTION OF THE GENERAL STRUCTURAL NOTES.

4: ALL DECK SHALL BE 3-SPAN CONTINUOUS MINIMUM WHERE POSSIBLE. IN AREAS WHERE 3-SPAN CONDITIONS ARE NOT POSSIBLE THE CONTRACTOR SHALL VERIFY UN-SHORED DECK IS PERMITTED BY THE DECK MANUFACTURER FOR THE SPAN CONDITION, SPAN LENGTH, AND DECK GAUGE. WHERE DECK DOES NOT MEET THE REQUIREMENTS FOR UN-SHORED DECK, THE CONTRACTOR SHALL EITHER PROVIDE HEAVIER GAUGE DECK TO ALLOW FOR UN-SHORED DECK OR PROVIDE SHORING.

5. STEEL DECK WITHOUT CONCRETE FILL SHALL NOT BE USED TO SUPPORT LOADS FROM PLUMBING, HVAC DUCTS, LIGHT FIXTURES, ARCHITECTURAL ELEMENTS OR EQUIPMENT OF ANY KIND, UNLESS SPECIFICALLY

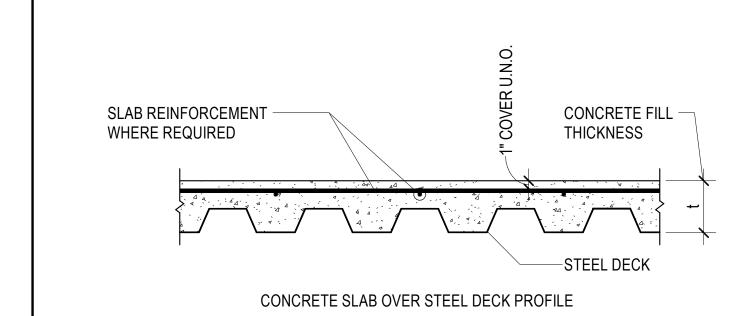
NOTED OTHERWISE. LIGHTWEIGHT SUSPENDED ACOUSTICAL CEILINGS WITH A TOTAL WEIGHT PER WIRE NOT EXCEEDING 50# MAY BE HUNG FROM THE STEEL ROOF DECK. THE HANGERS SHOULD BE STAGGERED TO DISTRIBUTE THE LOAD OVER MULTIPLE DECK FLUTES.

6. DECK SHALL HAVE 2" MINIMUM BEARING ON ALL SUPPORTING MEMBERS (MEMBERS PERPENDICULAR TO DECK) UNO. DECKS SHALL HAVE 1.1/2" MINIMUM BEARING AT PARALLEL MEMBERS.

7. DO NOT EMBED CONDUITS OR PIPES IN CONCRETE FILL OVER STEEL DECKS WITHOUT APPROVAL OF STRUCTURAL ENGINEER. 8. SEE TYPICAL DETAILS FOR REINFORCEMENT REQUIRED AT OPENINGS THROUGH STEEL DECK. OPENING REINFORCING SHALL BE INSTALLED PRIOR TO SAW CUTTING OPENINGS.

9. PROVIDE GALVANIZED STEEL DECK ABOVE & BELOW MECHANICAL ROOMS.

10.SEE PLANS AND DETAILS FOR LOCATIONS WHERE ADDITIONAL SLAB REINFORCEMENT IS REQUIRED.



STEEL DECK ATTACHMENT SCHEDULE WELDED MECHANICAL PARALLEL SIDE LAP SUPPORTS SIDE LAP SUPPORTS PARALLEL PW @ 12" O.C. 3/16" BP @ 18" O.C. SDA-1 PW @ 36/4 PW @ 12" O.C. 1.1/2" TSW @ 18" O.C. PAF @ 12" O.C. PSC @ 8" O.C. PW @ 32/5

1. PW = PUDDLE WELD - 1/2" EFFECTIVE DIAMETER ARC SPOT WELD AT INTERIOR FLUTES, 1" X 3/8" EFFECTIVE ARC SEAM WELD AT SUPPORTS ADJACENT TO SIDELAP.

2. TSW = TOP SEAM WELD - 1.1/2" LONG TOP SEAM WELDS BETWEEN ADJACENT PIECES OF DECKING. CRIMP SIDE SEAMS BEFORE WELDING INTERLOCKING SEAMS.

3. BP = BUTTON PUNCH - 3/16" BUTTON PUNCH BETWEEN ADJACENT PIECES OF DECK. CRIMP SEAMS BEFORE BUTTON PUNCHING INTERLOCKING SEAMS.

4. PAF = POWDER ACTUATED FASTENER -

HILTI X-HSN 24 AT SUPPORTS 3/16" THROUGH 3/8" THICK

HILTI X-ENP-19 L15 AT SUPPORTS 1/4" THICK AND GREATER

PNEUTEK SDK61075 AT SUPPORTS 0.113" THROUGH 0.155" THICK PNEUTEK SDK63075 AT SUPPORTS 0.155" THROUGH 0.250" THICK

PNEUTEK K64062 AT SUPPORTS 0.187" THROUGH 0.312" THICK PNEUTEK K66062 OR K66075 AT SUPPORTS 0.281" THICK AND GREATER

5. SDS = SELF DRILLING SCREW. WHERE SIDELAPS HAVE SCREWED CONNECTION, THE DECK PROVIDED SHALL HAVE A SCREWABLE SIDE SEAM, UNO.

6. PSC = PROPRIETARY SIDELAP CONNECTION - VERCO SIDELAP CONNECTION 2 FOR VERCO PUNCHLOK II SYSTEM, ASC DELTA GRIP FOR ASC

7. SPACING AT SUPPORTS IS NOTED AS (DECK PANEL WIDTH)/(ATTACHMENTS PER PANEL). FOR EXAMPLE: PW @ 36/4 INDICATES A 36" WIDE DECK SHEET WITH 4 PUDDLE WELDS AT EACH SUPPORT.

SUBSTITUTED ONE FOR ONE FOR PW. ALIGN AND SECURE DECK IN POSITION BEFORE INSTALLING STUDS. 9. SEE PLANS AND SFRS SHEETS FOR ADDITIONAL FASTENERS REQUIRED AT MEMBERS DENOTED AS SFRS. OMIT ATTACHMENTS WHERE

8. HEADED STUD ANCHORS WELDED THROUGH DECK WITH 1" MINIMUM COVER FROM EDGE OF DECK TO STUD CENTERLINE MAY BE

DENOTED AS PROTECTED ZONES IN SFRS.

10. ALL WELDED SURFACES SHALL BE DRY BEFORE WELDING DECK OR STUDS TO SUPPORTS. 11. ALIGN AND SECURE DECK IN POSITION BEFORE WELDING OR INSTALLING FASTENERS OR STUDS.

12. ALTERNATE MEANS OF DECK ATTACHMENT ARE PERMITTED WITH APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED ATTACHMENT SYSTEM AND THE CODE EVALUATION REPORT DEMONSTRATING THE SYSTEM HAS THE STRENGTH TO MEET THE SPECIFIED DECK SHEAR. IF THE ALTERNATE METHOD IS APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DECK TYPE AND PROFILE IS COMPATIBLE WITH THE FASTENING SYSTEM.

N DECK 32/5 • W DECK 36/4 • W DECK 36/4	•
---	---



CAMPUS DESIGN and CONSTRUCTION 1795 E. So. Campus Dr, Rm. 201 Salt Lake City, UT 84112-9403 Phone: (801) 581-6883 FAX: (801) 581-6081





The Boston Building 9 Exchange Place, Suite 1100 Salt Lake City, Utah 84111

801 531 7600

info@edaarch.com

www.edaarch.com

EDA PROJECT NUMBER: Project Number

NOT FOR CONSTRUCTION



675 East 500 South, Suite 400 Salt Lake City, UT 84102 P 801 486 3883 F 801 485 0911 www.reaveley.com

PROJECT TITLE:

**CVRTI BUILDING ADDITION** 

11.12.21

11.30.21

**REVISIONS:** Description

> 50% CD DRAWINGS STEEL DECKING ADD. #1

ISSUE DATE:

12 NOVEMBER 2021 UNIVERSITY PROJECT NUMBER:

SHEET TITLE:

STEEL DECK SCHEDULES

SNOW DRIFT SCHEDULE

SNOW DRIFT SCHEDULE

33

44

-DL+SL (PLF) SEE LOADS INDICATED ON JOISTS

DRIFT LENGTH

5' - 2"

6' - 10"

9' - 0"

1. FOR OWSJ DESIGN DRIFT LOADS SHALL BE IN ADDITION TO ALL LOADS INDICATED ON PLANS. 2. SNOW DRIFT VALUES IN SCHEDULE ARE IN UNITS OF PSF. MULTIPLY LOADS BY JOIST

SPACING TO OBTAIN PLF LOADING FOR JOIST

SND-3

DESIGN.

LENGTH

SF603 SCALE: 1" = 1'-0"

SHEET NUMBER:

SF603

SHEET