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HIGHLAND JUNIOR HIGH - AUDITORIUM RIGGING REPLACEMENT **JGDEN SCHOOL DISTRICT**

325 GRAMERCY AVE **OGDEN, UT 84404**

Project Narrative

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SSUE DATE 05-17-2022

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COVER SHEET

OGDEN SCHOOL DISTRICT

REPLACEMENT HIGHLAND JH - AUDITORIUM RIGGING

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REPLACEMENT

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58 S. McClelland Street, Suite Salt Lake City, Utah 84102 Phone 801.883.9328 knitstudios.com THEIR DOCUMENTARY BEEN PROJECTOR AN INSTRUMENT OF CONSTRUCTION, USE INCOMES THE PROPERTY OF AN INSTRUMENT OF

connected to the main runner. The length of the t members must be designed by a registered

and the object and construction of the constru

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g, The XL0500 service, EST900 service, EAV900 services addition to a polyverbane find upper addition to a polyverbane coaled lower famop. The addition to a polyverbane coaled lower famop. The XDD transvers are code/comed from 300 services sees steel corregiving with ASIDM ASID, Table 3 see dimensions, Vergiths, and allowable transversa en demonsions, Vergiths, and allowable transversa

11.1 EAC that its increase, to whose properties of the properties

1.5 Main Runners, Fre-resistance-retect Main Runners Fre-resistance-retect Main Runners Fre-resistance-retect origing searchises retemble 10 2001, 8000, 8001, 800 and 9001 memors are classified the Lot 2 The 800 and 9001 memors are classified brockering as intermediate-day in accordance with ASIM Rockers and SON and Fre-OS TOT main travers are assistanced as heavy-day. Prefixe of runners are 300mm in accordance with ASIM and ASIM a

the form Remain, Critical Leading and Mellin-sistence attack Critical Remains and Critical Critical Remains and Critical Remains and Critical Bright State of the Critical Remains and the State of the Critical Remains and Critical Remains and Critical Remains and Critical Remains and the State of the Critical Remains and This Critical Remains and Critical Remains and This Critical Remains and Critical Remains and Critical This Critical Remains and Critical Remains an

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industry of circust 24 and control 2 of 151 m cacco. Oct.	on the same and same income, same in the control and the contr
Figure 2.	fixed (attached walks) at two adjacent walls, attach a No.7
A single V _e -inch-diameter (3.175 mm) sheel pop rivet	of a BERC-2 or AL BERC-2 dip and the top flange built of
Compaying was incoming resistant institute cuantum be-	the runner, or through the food hole of a BERC dip and into
BERC-2 perimeter clips to secure the main numers and	the web of the runner. XTAC clips may be used in lieu of
cross runners to the wail moiding on two adjacent waits	main ninners and most ninners to the wall molding on hap
(attached wais). The center of the met must be 0.25 inch	adjacent walls (attached walls). XTAC clips are attached by
(0.30 IIIII) II OIII UNE BOUR OI UNE WAII AINJUE. OUE FIJURE 2.	two No. 7 x 7/16-inch long (minimum) self-piercing sheet
Tech Zone Yolks (TZYK) for Saismir Design Calendries	metal screws though the withcalling of the wall modern and
D. E and F. Under this installation, the 7501 main numer	riporion shoot motal ecroses then with the weith of the purpor
must be used, with a madmum ceiling weight permitted for	BERC-2, AL BERC-2, or BERC dips installed on opposite
systems with BERC-2 clips at 3.35 pounds per square foot	walls where the runners must not be fixed to the clips
(16.4 kg/hr), The BERC-2 dips are used to secure the main	(unattached walls), the clips must not be mechanically
helms and shown in Figure 2. A nominally 74-hoch (22 mm)	connected to the futner by any tassener and must alow the
wall molding is used in lieu of the 2-inch (51 mm) perimeter	page from the wall and indallation of a No. 7 hz 7/cuinch
supporting closure angle required by Section 5.2.2 of ASTM	king (minimum) self-dercing sheet metal screw through the
E580 and Section 13.5.6.2.2 of ASCE 7-16 for the 2021 and	horizontal slotted hole is optional, as shown in Figure 2.
2018 IBC (ASCE 7-10 for the 2015 and 2012 IBC and Section 13 5.6.2.2 (b) of ASCE 7.05 for the 2009 IBC) for	BERC or BERC-2 or XTAC or AL BERC-2 clips installed
Seismic Design Categories D, E and F. The ceiling system	in this manner are an acceptable means of preventing
must be as prescribed by the applicable code except for the	house more spreading, in lieu or spacer cars (stabilized
use of the BERC-2 clips and the 7/s-inch (22 mm) wall	referenced in Section 13.5.6.2.1 of ASCE 7-16 under the
Integrally and commission of syndroces come.	2021 and 2018 IBC Section 1613 (ASCE 7-10 under the
specified in section 4.4.2.1 of this recort.	2015 and 2012 IBC Section 1613, and Section 13.5.6.2.1
Each TZTK vola accordibly must be successful from	IBC Section 1613L Except for the use of the BERC or
structure with a vertical 12 gauge sheel wire through the	BERC-2 or XTAC or AL BERC-2 dip as noted above,
center hole of the top of the yoke assembly. Alternatively,	installation of the ceiling system must be as prescribed by
the yoke assembly can be suspended from two hanger	is 2.6 receive ner secure for (12.2 techn) for ceiling
assembly. The yoke assembly must be attached to the main	systems using BERC or BERC-2 or XTAC clips and 2 psf
runners and to the cross tees using a single 1/8-inch-	(9.75 lightit?) for ceiling systems using the AL BERC-2 clip.
diameter (3.175 mm) steel pop rivet complying with lockwisted Contoons location Structured ID 444 at 74 behave	with this installation, the main and cross furners must be as described in Tables, 2 and 3 of this recort, exceet for
(609,6 mm) from the perpendicular end of the main numer	CleanRoom AL series (EA7900C, EA7920C, and EA7940C)
and spaced at every 48 inches (1219.2 mm) on center. All	and CleanRoom Steel series (ES7901C, ES7920C and
lighting fodures must be installed in accordance with Section 6.3 of ASTM F680.	Colombia designed to the page 4422
In lices of eather sales hencies in necondenses with Daelices	omiscalent to that nomined by Section 4 of ASTM F580
5.2.8 of ASTM F580 rink bracho members composed of	which is referenced in Section 13.5.6.2.1 of ASCE 7-16
The second secon	

of the ton of the union assembly. Alternatively	installation of the celling system must
sembly can be suspended from two hanger	the applicable code. The maximum cells is 2.6, nounds not evening foot (12.2)
d through the notes at the comers of the year he voke assembly must be attached to the main	systems using BERC or BERC-2 or XI
to the cross tees using a single 1/8-inch-	(9.75 kg/hr²) for ceiling systems using t
shener Institute Standard IFI-114 at 24 inches	as described in Tables 2 and 3 of this
from the perpendicular end of the main runner at every 48 inches (1219.2 mm) on certer. All	and CleanRoom Steel series (ES790)
es must be installed in accordance with Section	E87940C).
solar wire bracing in accordance with Section	The assembles described in this a equivalent to that required by Section
'M E580, rigid bracing members composed of	which is referenced in Section 13.5.6
5 mm) wide by 25 gage sheel studs must be the with of the main names using self-terrains	the 2015 and 2018 IBC Section 161.
two rigid bracing members splayed 90 degrees	13.5.62.1 and CISCA 0-2, as referen
her at an angle of 45 degrees from the plan of	under the 2009 IBC Section 1613] A sing
The location and spacing of the rigid bracing at complete the Section 6.2 or 4.5TM Exam in	(3.175 mm) steel pop nvet comply Fasterier Institute Standard IFI-114 ma
he rigid bracing members, a compression post	BERC-2, XTAC, AL BERC-2, and BER
1 a 2 1/4-inch (63.5 mm) wide 25 gage steel stud	secure the main runners and cross in

Subtial Festioner Institute Standard IR-114 at 24 inches 28.6 inches 28.6 inm) from the perpendicular end of the main runner of spaced at every 48 inches (1219.2 inm) on center. All	as described in Tables 2 and 3 of this CleanRoom AL series (EA7900C, EA790 and CleanRoom Steel series (ES790)
_	ES/340C). The assembles described in this S
In lieu of splay wire bracing in accordance with Section 2.8 of ASTM ESSU, might bracing members composed of	equivalent to that required by Section which is referenced in Section 13.5.6 under 2021 and 2018 IBC Section 1517.
	the 2015 and 2012 IBC Section 1
100	under the 2009 IBC Section 1613] A sing
e n	Fastener Institute Standard IFI-114 may BERC-2, XTAC, AL BERC-2, and BER
mposed of a 2 1/4 nch (63.5 mm) wide 25 gage steel stud	secure the main runners and cross n

his Eatherer Indillite Standard IEL114 at 24 inches	as described in Tables 2 and 3 of this report
6 mm) from the perpendicular end of the main runner	CleanRoom AL series (EA7900C, EA7920C, an
paced at every 4s inches (1219.2 mm) on certis. All ig fedures must be installed in accordance with Section	EST940C).
ASTM E580.	The assembles described in this Section
eu of splay wire bracing in accordance with Section	equivalent to that required by Section 4 of a which is referenced in Section 13.5.6.2.1 of
ch (63.5 mm) wide by 25 gage steel studs must be	under 2021 and 2018 IBC Section 1613 [ASC:
hed to the web of the main runner using self-tapping	the 2015 and 2012 IBC Section 1613,
 The two rigid bracing members spayed 90 degrees each other at an andle of 45 degrees from the plan of 	under the 2009 IBC Section 16131 A single 1/4-
elling. The location and spacing of the rigid bracing	(3.175 mm) steel pop rivet complying wi
bers must comply with Section 5.2.8 of ASTM ES80. In	Fastener Institute Standard IFF114 may be us BERC-2 XTAC At BERC-2 and BERC neers
osed of a 2 1/2-inch (63.5 mm) wide 25 gags steel stud	secure the main runners and cross runners



(XXX is firm) from the perpendicular end of the main numer and spaced at every 48 inches (1219.2 mm) on center. All lighting findures must be installed in accordance with Section 5.3 of ASTM ESB.)	and Country Series (E70 soc.), E71 and Country (E87) E8794(C.). The secondary described in the
In lieu of splay wire bracing in accordance with Section 52.8 of ASTM ES90, rigid bracing members composed of 24.Jeeth (63.6, men), saide for 36, news steed study made to	equivalent to that required by Section 135 under 2021 and 2018 IBC Section 135 under 2021 and 2018 IBC Section 16
attached to the web of the main runner using self-apping screws. The two rigid bracing members splayed 90 degrees	the 2015 and 2012 IBC Section 13.5.6.2.1 and CISCA 0-2, as refer
from each other at an angle of 4.5 degrees from the plant of the ceiling. The location and spacing of the rigid bracing members must comply with Section 5.2.8 of ASTM ESB. In addition to the rigid bracing members, a commension port	G175 mm) sheel pop rivet correction to say a grant correction to say the correction to say the correction to say the say that the say the say that the say the say that the say that the sa
composed of a 2 1/2-inch (63.5 mm) wide 25 gage steel stud	secure the main runners and cross

	structure with a
The BERC-2 and Al, BERC-2 clips are attached to the wall	center hole of th
mobiling by sliding the locking lances over the hem of the	the voice assert
vertical leg of the wall molding(see Figure 2). Under the	wires secured the
2021 and 2018 IBC, as required by Section 13.5.6.2.2 of	assembly, The yo
ASCE 7-16, either BERC-2 or AL BERC-2 clips must be	of bine sand to
e wall r	diameter (3,175
(see Figure 2), and the wall molding must be positively	Industrial Fasten
2	(609.6 mm) from
BERC-2, and AL BERC-2 clips installed on the two adjacent	and spaced at e
walls where the rurners must be food (attached wait), are	lichting fictures or
attached to the runner by a No. 7 by 7/14-inch long (minimum)	5.3 of ASTM ESE
self-piercing sheet metal screw through the foed hole in the	and the second of
dip and the too flance bulb of the numer. XTAC clos	In tield of spusy
metallari on the han artianent wate where the number must	528 of ASIM to
to food (otherhold wall) are affected to well recitive butters	2%-inch (63.5 m
Min. 7 x 7145 look loon (minimum) and nicering should make	attached to the v
No. 7 A 17 County Annual Long Communication and Secretary amount in the	screws. The two
Screws already the ventural lay of the war finding and to	from each other
nigeries shad metal screwe through the web of the money	the celing. The
DCDC 2 or At DCDC 2 oline inshilled on onoceillo unite	members must o
about the names must not be fined to the cline (needbacked	addition to the ri-
manage and relatives indeed for the indeed to the cape (an eligible)	composed of a 2

m must be installed in accordance with IBC 1613 and 2506 2.1 for ceiling sentens up to	affached to
	walls when
mmers:	solf-rierring
must be installed and leveled to within	clo and th
du the sup	installed on
fical support hanger wire must be installed	be floed (at
is (51 mm) of the main runner fire expansion	No. 7 x 7/1
sign loads for main runners must be less than	screws thro
e capacities allowed in Table 2 of this report.	runners by
the main runners that consist of vertical	piercing sh
moter hangers, and lateral force bracing must	BERC-2, o
accordance with the applicable code.	where the r

with ASTM A663.
4.0 DESIGN AND INSTALLATION
4.1 General:
The suspended ceiling framing system must be installed in
accordance with this report and the manufacturer's exhibited installation instructions. The suspended ceiling
stem must be installed in acc 08, 1613 and 2508.2.1 for ceil
4 psf (19.5 kg/m²).
4.2 Main Runners:
Main runners must be installed and leveled to within
Winch in 10 feet (6.4 mm in 3048 mm), with the supporting win trut. Voltage support hands use must be installed
within 3 inches (51 mm) of the main runner fire expansion
relief. The design loads for main runners must be less than
or equal to the capacities allowed in Table 2 of this report.
Supports for the main runners that consist of vertical
hangers, perimeter hangers, and lateral force bracing must be installed in accordance with the applicable code

STREET HAN ON INDIANICA IN SCOROLINO WILL HAN	dilla
808, 1613 and 2506.2.1 for ceiling systems up to	BER
5 kgm²).	water
Dames.	affac
The same of the sa	2008
mers must be installed and leveled to within	dip
10 feet (6.4 mm in 3048 mm), with the supporting	inetta
. Vertical support hanger wire must be installed	di ed
inches (51 mm) of the main runner fire expansion	No
e design loads for main runners must be less than	scree
to the capacities allowed in Table 2 of this report.	- China
for the main numers that consist of vertical	CHRIST
perimeter hangers, and lateral force bracing must	BER
ed in accordance with the applicable code.	whoe





must be installed and leveled to within c
rrm), with the supporting
t hanger wire must be installed by
of the main runner fire expansion No. 7 x 7
r main runners must be less than
allowed in Table 2 of this report.
numers that consist of vertical p
rs, and lateral force bracing must
with the applicable code.

















nated	Page 6 of 21	
v-60-inch (914 by	4.9 Special Inspection:	
lay-in panels, two	special inspections are required by the	
in cut off whom	official, the suspended ceilings in Seismic Design	
facent to the long	Categories C.D. E and F studied to periodic special inspections during the installation of the suspended ceiling systems and their anchorage in accordance with the	
rescent-tamp-type,	following requirements:	
he fire-resistance- nature 1 hv 4 feet	 For installations in accordance with Section 4.4.2 of this 	
10 mm), 2 by 4 feet	report, spicial inspiction must be conducted as required	
by 1219 mm) or 20	2018 and 2015 IBC Sections 17045, 1705-1.1 and	
4 ASTO IN 610 men)	1705.13.2, 2012 IBC Sections 1705.1.1, 1705.11.4 and	
ures may include tops for air-return	Item 3 of Section 1705-12; and 2009 IBC Section 1704-15; Item 3 of Section 1708-1, and 1708-4, as applicable.	
38 by 1219 mm)	 For installation in accordance with Section 4.4.1 of this 	
(508 by 1524 mm)	report, special inspection must be in compliance with the following: Section 13.5.6.2.2 (h) of ASCE 7.05, and 2009	
at the mid-span of	IBC Section 1705.34, Item 3 for the 2009 IBC, Section 13.5.6.2.2 (h) of ASCE 7-05, as applicable.	
19 mm) fintures are ust not exceed four	 The special inspector must verify that the ceiling framing systems are as described in this report, and comply with this proof and the proposed contraction decorated. 	
s are used, the	and report and one approved contraction occurrents.	

R-1308 Most Widely Accepted and Trusted		Page 6 of 21
Oby-60-inch (762 by 1524 mm), 36-by-60-inch (914 by	4.9	ecial Inspection:
Size min) or 40-by 40-bits (12.19 mm) lay-in parities, two sips are placed over builts of each cross see near cross see	Where official,	re special inspections are required by the building ial, the suspended cellings in Seismic Design
decement is over bulbs of cross lees adjacent to the long	E G	Categories C, D, E and F shall be subject to periodic special inspections during the installation of the suspended ceiling
nor on up notation. 7.2. Recessed Light Fodures: Fluorescent-lamp-type,	syst	systems and their anchorage in accordance with the following requirements:
seel housing fidures can be used in the fine-resistance- ated assembly, provided the fixtures measure 1 by 4 feet		For installations in accordance with Section 4.4.2 of this
305 by 1219 mm), 2 by 2 feet (610 by 610 mm), 2 by 4 feet 610 by 1219 mm), 20 by 48 inches (508 by 1219 mm) or 20	E 57	gott, spicus respector mast be conducted as regarded by the building official during enforcement of the 2021,
y 60 inches (508 by 1524 mm). The nominally block-find (305 by 1219 mm), 224-23-pd (510) by 610 mm).	94	U18 and 2015 IBC Sections 1704.5, 1705.1.1 and 705.13.2, 2012 IBC Sections 1705.1.1, 1705.11.4 and
nd 2-by-4-foot (610 by 1219 mm) fintures may include ented sides for air boots and wented tops for air-return	200	Item 3 of Section 1705.12; and 2009 IBC Section 1704.15; Ihem 3 of Section 1708.1, and 1708.4, as arreferable
urposes. Linear air diffusers and linear air returns must be sed with nominally 20-by-48-inch (508 by 1219 mm)		For installation in accordance with Section 4.4.1 of this
stures. When nominally 20-by-60-inch (508 by 1524 mm) stures are used, findure stabilizers are used to upplement the hanger wires occurring at the mid-span of	558	report, special inspection must be in compliance with the following: Section 13.5.6.2.2 (h) of ASCE 7-05, and 2009 IEC. Section 10.5.9.2 (h) of ASCE 7-05, and 2009 IEC. Section 10.5.9.2 (h) of ASCE 7-009 IEC. Section 10.5.9.2 (h) of ASCE 7-009 IEC. Section 10.5.9.2 (h) of ASCE 7-009 IEC.
When nominally 1-by-4-foot (305 by 1219 mm) fatures are sed, the aggregate number of fatures must not exceed four		13.50.4.4 (til) or non-circle, real approximation. The special inspector must verify that the ceiling framing systems are as described in this report, and comply with
er 100 square feet (9.3 m²) of ceiling area. When nominally the July 2-feet (610 hv 610 mm) februse are used the	6	this report and the approved construction documents.
opposable number of flotures must not exceed five per Opposable number of flotures must not exceed five per On source feet (3 m²) of refine area. When nominally	Mp	Where special inspections are required by the building official, a statement of special inspection must be provided
	82	as required by 2021, 2018, 2015 and 2012 IBC Section 1704.3 (Sections 1705.2 and 1705.3 for the 2009 IBC).
sed, the aggregate number of fotures must not exceed	5.0	.0 CONDITIONS OF USE
tree per 100 square feet (9.3 m²) of celling area. The obures must be wired in conformance with an approved	The	The suspended ceiling systems described in this report
electrical code.	i,	in, those codes listed in Section 1.0 of this report, subject to
The recessed light foture must be protected on the topside ath recention collect the protect motional bracket a relative to	8	the lobowing conditions.
hickness of % inch (15.9 mm). The panels are cut into	3	The ceiling suspension main runners, cross runners, BERC, BERC-2, AL BERC-2, STAC and XTAC clips,
elcos to torm a tive-sobid enclosurio which is reclangular of apezoidal in cross section, depending upon fishure type,		and accessories must be fabricated and installed in accordance with this record and the manufacturer's
nd which is approximately ½ inch (12.7 mm) longer and wider than the finhum with sufficient death to proxide at least		published installation instructions. In the event of a
inch (12.7 mm) of desrance between the forture and the proposure. The resonance are had toosther with 3d naile		conflict between the manufacturer's institution instructions and this report governs.
gacers provide the 11/c-inch (31.7 mm) clearances when laced on top of fohurs located away from the ballasts.	52	Design loads and spans of main and cross runners must comply with Tables 2 and 3 of this report.
When no air-handling or air-return fidures are used, a navirrum 19 sinth C47 mm) secaration must be	3	Suspended ceiling systems must be designed and
naintained between the long findure protection sidepleces		referenced by the applicable IBC Section 1633 as
nd the top pace. When air supply light libitates with air cocks are used, finitures and air books must be fully enclosed.		documents must be prepared by a registered design professional where required by statutes of the
scept for the normally 28-square-non (18 US4 mm²) pening needed for the cornection to air-supply ducts.	1	jurisdiction in which the project is to be constructed.
7.9 Air Duct: Air ducts are permitted in the assembly	3	Special inspections must be provided in accordance with Section 4.9 of this report.
physical are uses are usessucial of minimal works mod pararized steel and aggregate duct opening area is less	88	For Setsmic Deskin Category C, D, E or F, a quality assurance plan complying with IBC Chapter 17.
tian or extual to 115 square money (12 505 mirr) per 00 square feet (18 2 m²) or ceiling area. The maximum air sequenceiling feet (18 2 m²) or ceiling area.		Including 2021, 2018, 2015 and 2012 IBC Section 1704.3 (2009 IBC Sections 1705.2 and 1705.3) must
18 8500 (Prelude SupraFine Fire Guard) Series One-	1	be submitted to the code official.
icar Fire-resistance-rated Roof-ceiling System:	9,6	The ceiling framing systems must not be used to nemyte lateral support for walls or nartitions, exceed as
his exposed grid system consists of the 8500 series main unners and the XL 8520 or XL 8540 cross runners, and is		provided for in ASCE 7, Section 13.5.8.1 as referenced in the applicable IBC Section 1613.
art of a one-hour line-resistance-rated floor-ceiling system.	5.7	The ceiling systems must be braced to resist seismic

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In suppress, the strict of 200 KC their IRC1, and suppress of 200 KC their IRC1 and suppress of 200 KC their IRC2 and suppress of 200 KC their I

D. Reports of fee-resistance basis in accordance with ACIM EII.)

ACIM EII.

Begorts of comparative seismir qualification lesis in accordance or prosperior of comparative with the ICCES accordance or present of Seismir Certification by State-Label Feistry of Total (Indicatally revised December 2005)

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precis to form a tree-state unoquity write trapezoidal in cross section, depending a
and which is approximately 'to inch (12.7
wider than the foture, with sufficient depth
1 inch (12.7 mm) of dearance between the
endosure. The pieces are held togethe
Spacers provide the 11/4-hich (31.7 mm)
placed on top of fortures located away t
When no air-handling or air-return firth
maximum 11/4-inch (31.7 mm) sepa
maintained between the long finture prof
and the top piece. When air supply light
boots are used, fetures and air boots must
except for the nominally 28-square-incl
opening needed for the connection to air-
4.7.9 Air Duct: Air ducts are permitted
provided the ducts are constructed of mini
galvanized steel and aggregate duct ope
than or equal to 113 square inches (7)
100 square feet (9.2 m²) of ceiling area.
duct-opening dimension is 12 inches (305
4.8 8500 (Prelude SupraFine Fire Gus
hour Fire-resistance-rated Roof-ceiling
This exposed grid system consists of the

once forming parameters and invaries to one wasts and procernous about walls. The first parameters are supported in the parameters of the parameters about walls.	Accounted Matterlant Accoration allows in celling panels with the authorities speaking and the speaking sizes and hybrid speaking as the part and the promise are uncorrectly as the speaking promise are uncorrectly as MISOS patents promise are uncorrectly as MISOS patents CZ-28 min become large Optional Section 1999. Optional and profits of the speaking of the speaking and an analysis of the correctly as the speaking and the speaking and the speaking and the speaking and and and and and and and and	A "Li Hodd down Class"; Hold down Class, Policy of Ornin No. 21 gaps strory steel must be used for calling parallel the strong sees have operated present sees. When the sees are consistent of the strong steel of the strong sees are consistent of the strong sees of the strong sees of the strong sees of strong sees of the strong sees of strong sees on sees of the strong sees of strong sees on sees of strong sees on strong se
the end of cut cross tees for abut walls.	4.7.5 Accessition Material: Ac used with the supported cells used with the supported speed sizes and hypere shown nominally 4s inch (15.9 mm) of Border pensels, a inch (15.9 mm) before charmes, 1 inch (15.9 mm) bottom famp consists of BERC2 dip	4.7.7 Hold-down Clips: H No. 24 gape spring steel, m weighting isse than one pour celling is composed of nor 610 mm), 24-by-35-leich (616 (782 by 782 mm) lay-in parie of cross bees mar cross bee composed of 20-by-60 lay-

the end of out cross less longer than 2 feet (61 abut walls.	4.7.6 Accession Material: Accustical lay-in or used with the suspended celling system are panel sizes and types shown in Table 1.	nominally % inch (15.9 mm) or % inch (19 Border panels are supported at walls by 24 steel charmels 1 inch (25 mm) de	2-inch (23.8 mm) bottom flange. Optional su consists of BERC-2 dtp at wall 14 ₇₉ inch x 14 ₇₉ inch No. 24 MSG painfed stee	4.7.7 Hold-down Clips: Hold-down clips, p	weighing less than one pound per square book ceiling is composed of nominally 24-by-24-in 610 mm), 24-by-36-inch (610 by 914 mm), or 30	(762 by 762 mm) lay-in panels, one clip is plac of cross bees near cross be midpoints. When
1299 inch 119/ ₃₂ -inch	0359 inch is having	s panels is of from the	eck panels 5 mm) on sunched or	10° at 500	re installed r-welded to as to cover	o of hear

he sed of or cross less loogs than 2 he and was. LS Accounted all femile controlled all LS Accounted all femile controlled all LS Accounted all femile controlled all the pension search of the search of the pension search of the search of the sed channel. I have 1 he sed to the search of the se

L. 2. Setelation of becking: The concepts dock effect supported by minima No. 22 appe 10,029 is 20.27 mm; planearized alsed decks (1452 mm) or one doep (2.2.5 mm) allates spaced 6 inches (1452 mm) or one or its supported by minima No. 20 appe 10,039 is of 18 supported by minima No. 20 appe 10,039 is 3-bard-deep (26 mm) flates.	When a bard of flates and cleakes steel can be about the corrected by painting the corrected by painting the corrected by painting the corrected by painting the corrected by the correct by the correct by the correct by the corrected by the correct b	Where fluted and collular floor deck panels end-to-end, galvanized steel angles must be to the cellular floor deck panels in such a mann the cells.	47.4 Concesses Cloos: The concesses floor must be a
	4/3 Skell-floor Decking: The corcus ether supported by minimum No. 22 apps (0.759 mm) ghavatized seld ekst pennis w deep (22.5 mm) thins spaced 6 inches (15.2) of it is supported by minimum No. 20 gape (0.91 mm) galvanisos Skell cellular p 3-lach-deep (15 mm) thins.	4.2.3 Seek four Debtury. The coorse (2.2) Seek four Debtury. The coorse (2.2) Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Men a blood four debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek four Debtury. Seek	and years to provide a property of the control of t

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5.1 The colling posteriors must be bracced to resist sessionic forces as determined from Section 1613 of the IBC.

5.5 The systems are entitled to collings not considered accordates in accordance with them 26 of 2021 BIC.

Table 1607.1, Iben 28 of 2018, 2015 and 2012 BIC.

W meetine on a page (page of page of p
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deep (32.5 mm) flutes spaced 6 inches (152 mm) on center.	or is supported by minimum No. 20 gage (0.0359 inch (0.91 mm)) galvanized sheel cellular panels having 3-inch-deep (75 mm) flutes.	When a blend of fluted and cellular steel deck panels is used, the concrete topping thickness is measured from the	top plane of the cellular deck panels. The steel deck panels must be welded to supports at 12 inches (305 mm) on	center. Adjacent deck panels must be button-punched or weided together at 36 inches (914 mm) on center at side jorits.	Where fluted and cellular floor deck panels are installed end-to-end, galvarized steel angles must be tuck-webted to the cellular floor deck panels in such a manner as to cover the cells.	47.4 Concrete Floor: The concrete floor must be a

oorled () gal ()	4.7.5 Ac 4.7		connect. Adjacent onch, parens must be busish-parizing or 19 ₇₈ inch losted together at 36 inches (914 mm) on certier at side 4.7.7 Hr (pints.	Where fluided and collular floor deck panels are installed variety wayping end-to-end, galvantized steel anyties must be lack-webfod to ceiling is the ceiliar floor deck panels in such a manner as to cover 610 mm). The ceils	4.7.4 Concrete Floor: The concrete floor must be a of cross in minimum of 21/3 inches (63.5 mm) thick, measured from the compose
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	with carbonate or eliceous assercates. The concrete mad
	have a minimum denetiv of 150 + 3 not (2410 + 48 knim ²)
	and a minimum compressive strength of 3,000 psi
	(20,7 MPa). The middle of the slab must be reinforced with
	On O - WI A WEST OF THE BACK.
	4.7.5 Suspended Central Mentales.
	4.7.5.1 Main Runners: Main runners are either the 8300,
	0.001 or FIO 0.001. The main furthers are 12 seek (3657,6 mm) fong and spaced a maximum of 4 feet
	(1219.2 mm) on center. The design loads for main runners
may also be attached to the traming members with sheet	must be less than or equal to the capacities shown in Table
	 vence marges, permon naryers, and unitarious bracing for the main narous are installed in accordance with
137 Bf (609.6 N) for a No. 20/20 gage metal-to-metal g	the code. The distance from the bottom side of the floor
	decking to the bottom side of the main numers is a minimum
4.6 Partitions:	of 1974 inches (502 mm).
Partitions must be laterally supported as required by Section 4	4.7.5.2 Cross Runners: Closs runners are either the XL RODD series (Prelade Plus Fire Quand) or XL RODD series
	(Prelude Fire Quard). Main runners must be located within
Fire resistance rated Elect realism	¹ / ₃₂ inch (0.79 mm) of the required center distances, and this
Parameter Property and Parameter Par	coerance must be noncommusive beyond 12 feet Clebs 6 mm/ Internaction numbers must be installed to form
The floor, relinn assembly described in Section 4.7 has a	a right andle to the supporting members. The design loads
	for cross runners must be less than or equal to the
	capacities shown in Table 3. A cross runner that supports
	another does member must have a minimum uniformly
	destinated to description of 12 pounds per miner took
	4.7.5.3 Hanner Wire: The susrended cellins is supported
In accordance with Section 704.3 of the 2015, 2012, and	by No. 12 SWG ID.105 inch IQ.7 mm) in diameter
	galvanized steel wire that is attached to the concrete stab
	through the steel floor units, before concrete placement, or
	attached to hanger caps. The hanger caps are minimum of OMS both Phick (1.14 mm). 2 both width (61 mm). 3% both.
	long (90 mm), galvanized steel clips that are hooked at one
The surrord departs prefet from a flow and nod or	end, for attachment over the male leg of steel floor units,
	and spaced as required for hanger wire attachment.
	Hanger wires are spaced a maximum of 48 inches
	(1219 mm) on certer or must be located at every other main
	along main propers. Harong wite mind he located at all four
centier. Each joist must be wedded to end supports, and must	comers of light fedures, at mid-span of cross bees next to
	4- and 5-foot-long (1219 and 1524 mm) light flotures and air
	duct outlets, and nect to each main numer space. Additional hance wine are nonlined at the mid-area of those cross
	thes running parallel and nearest to the walls and those near
either supported by minimum No. 22 gage (0.0299 inch g	the end of out cross tees longer than 2 feet (610 mm) that
	abut walls.
	4.7.6 Acoustical Material: Acoustical lay-in ceiling panels
asel cellular panels having	used with the suspended ceiling system are the nominal
	pomingly 4s inch (15.9 mm) or 3s inch (19.1 mm) thick.
	Border panels are supported at walls by 24 MSG painted
used, the concrete topping thickness is measured from the	steel channels, 1 inch (25 mm) deep, with a
	2-inch (23.8 mm) bottom flange. Optional support method consists of RERC-2 clin at wall attached to
center. Adjacent deck panels must be button-punched or	14/16 inch x 14/16 inch No. 24 MSG painted steel channels.
	4.7.7 Hold-down Clies: Hold-down clies, produced from

continues a presentation con-	643 A Subsidiary of the International Code Council®	Reissued December 2020 Revised August 2021 This report is subject to renewal December 2021.	RBTION I Components: ain Runners, Nonfire-resistance-rated:	runners for use in nonfine-resistance-table celling assembles include the 6100. AL7200, SSY700, 7300, 7302, 7305, 7503, 7503, 6500B, EA/900, 7000, and 7000B 7502, 7500, 7507, 75070, 75070, 75070, 75070, 75070, 75070, 75070	classified as intermediate-duty in accordance with ASTM C635, except the following, which are classified as heavy-	dufr. 6901, ES7901, EA7903, 6101, 6121A, 6127A, 6132, 61964, 7301, 7304, 7501, 7504, 7501, 7508,	The 7300 and 7500 numers are cold-formed from ASTM ASS steel. The numers have a holdgood galvanized profession and a fundamental profession coulded steel control or fundamental profession control or fundamental profession coulded.	or aluminum cap along the entire length of the bottom flange. The 6100, 6101, 6500B, 6501, ESTR01,7600, and		HM aurimum and have a based poperete paint coaling. The 6500B, 6501 and ES/7801, EA/1800 and EA/1803 out Turnels have a polyanitane-filled upper bulb in addition to a polyanethane-coaled lower flange.	26 The E87901C numers are cold-formed from ASTM A688 seet, have a painted coating in addition to the hot-disposa painted coating. a factory-tretalled polywater-cuating	Shel cap The ES/90 accordance conjunction
ES EMALITION SERVICE TO COLUMN TO THE COLUMN	www.icc-es.org (800) 423-6587 (562) 699-0543	ICC-ES Evaluation Report ESR-1308	DIVISION: 60 60 60—FINISHES Section: 60 22 26—Suspension Systems Section: 60 50 90—Acoustical Ceiling Suspension Assembles	REPORT HOLDER:	EVALUATION SUBJECT:	FRE-AND NOMFRE-RESISTANCE-RATED SUSPENDED CEILING FRAMING SYSTEMS	ADDITIONAL LISTEE: ARMSTRONG WORLD INDUSTRIES, INC.	1.0 EVALUATION SCOPE	Compliance with the following codes: 2 2021, 2018, 2015, 2012, and 2009 International Building Codes (100)	 2000 (ADI) Abu Dhabi International Building Code (ADIBC)* The ADIBC is based on the 2009 IBC. 2009 IBC oole sections intermode in this report are the same sections in the ADIBC. 	For evaluation for compliance with codes adopted by Los Angeles Department of Building and Safety (LADBS), see ESR-13181 ABC Supelement	For evaluation for compliance with codes adopted by California Office of Statewide Health Planning and Devision of the State Architect

Section: 09 22 26—Suspension Systems	3.1
Section: 09 53 00—Acoustical Ceiling Suspension Assemblies	3.3
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SUSPENDED CELING FRAMING SYSTEMS	ADDITIONAL LISTEE:	ARMSTRONG WORLD INDUSTRIES, INC.	1.0 EVALUATION SCOPE	Compliance with the following codes:	 2021, 2018, 2015, 2012, and 2009 International Build Code* (IBC) 	 2013 Abu Dhabi Infernational Building Code (ADIBC)* 	The ADIBC is based on the 2009 IBC. 2009 IBC code sections referent in this report are the same sections in the ADIBC.	For evaluation for compliance with codes adopted by L. Angeles Department of Building and Safety (LADBS), s ESR-1308 LABC Supplement.	For evaluation for compliance with codes adopted California Office of Statewide Health Planning a
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JOB NO: 210218

OGDEN SCHOOL DISTRICT
326 GRAMERCY EVENUE, OGDEN, UT 84404

HIGHLAND 1H - AUDITORIUM RIGGING

ICC-ESR EVALUATION REPORT: ESR-1308





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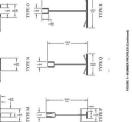
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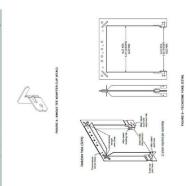








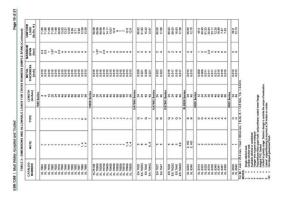




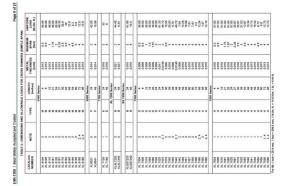
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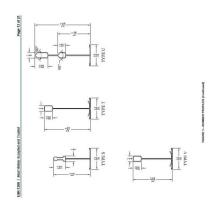
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JOB NO: 210218

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HIGHLAND 1H - AUDITORIUM RIGGING ICC-ESR EVALUATION REPORT: ESR-1308

OCDEN SCHOOF DISTRICT 325 GRAMERCY AVENUE, OGDEN, UT 84404 REPLACEMENT

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REV DATE COMMENT

ISSUE DATE 05-17-2022

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JOB NO: 210218

REPLACEMENT 325 GRAMERCY AVENUE

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HIGHLAND JH - AUDITORIUM RIGGING

REV DATE COMMENT

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ALL WORK SHALL BE DONE IN PROTECTED SPACE. NO DUST OR DIRT SHALL TRAVEL FROM CONSTRUCTION AREA. TO ADJACENT AREAS, TEMPORARY DUST PARTITION SHALL BE ERECTED PRIOR TO COMMENCEMENT OF WORK COORDINATE, LOCATION WITH OWNER.

SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATE.

GENERAL DEMOLITION NOTES

CONTRACTOR BIALL NOTIFY OWERBARCHTECT IN WIRTING OF ANY WORK CONTRACTOR SHALL WITHY OWER CONTROL OF SHALL RECORD ANY DISCREPANCY ON A WORK CONTRACTOR SHALL RECORD ANY DISCREPANCY ON A CONTRACTOR SHALL RECORD ANY DISCREPANCY ON A CONTROL OF SHALL RECORD CONTROL OF SHALL RECORD AND ANY OF SHALL SHALL

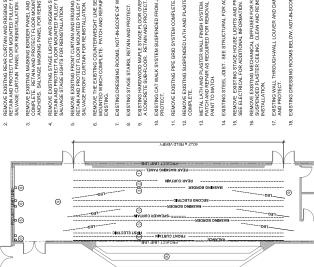
- CONTRACTOR SHALL EXERCISE CAUTION NOT TO DAMAGE EXISTING STRACES DUCES PRES, DOORS A RAIL ASSOCIATED COMPONENTS ADJACENT TO DEMOLITRIVA READS, SHOULD NYY DAMAGE COCUR. CONTRACTOR STALLE BERSPONISHE. TO REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.
 - MAINTAIN ACCESS TO EXITS AT ALL TIMES. FIRE ALARMS & SMOKE DETECTION SYSTEMS SHALL REMAIN OPERATIONAL AT ALL TIMES. PROTECT SMOKE DETECTORS AS REQUIRED & IN CONFORMANCE WITH CODES & LOCAL ALTHORPITES HANING JURISDICTION.

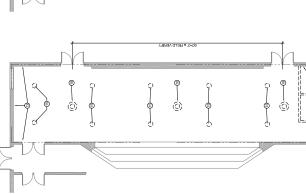
FLOOR PLAN REFERENCE NOTES ®

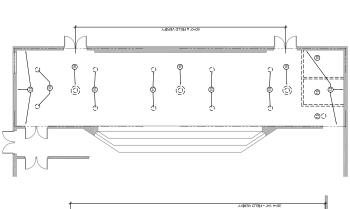
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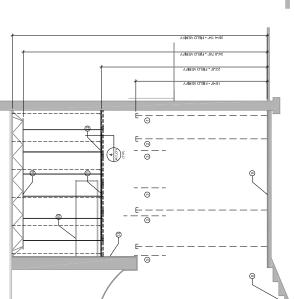
- REMOVE EXISTING REAR MASKING PANEL AND RIGGING SYSTEM COMPLETE. RETAIN AND PROTECT FLOOR MOUNTED PULLEY SYSTEM ANCHORS. SALVAGE MASKING PANEL FOR REINSTALLATION.
- REMOVE EXISTING REAR CURTAIN AND RIGGING SYSTEM COMPLETE RETAIN AND PROTECT FLOOR MOUNTED PULLEY SYSTEM ANCHORS. SALVAGE CURTAIN PANEL FOR REINSTALLATION.
- REMOVE EXISTING MASKING BORDER PANEL AND RIGGING SYSTEM COMPLETE. RETAIN AND PROTECT FLOOR MOUNTED PULLEY SYSTEM ANCHORS. SALVAGE MASKING PANEL FOR REINSTALLATION.
 - REMOVE EXISTING STAGE LIGHTS AND RIGGING SYSTEM COMPLETE. RETAIN AND PROTECT FLOOR MOUNTED PULLEY SYSTEM ANCHORS. SALVAGE STAGE LIGHTS FOR REINSTALLATION.
- REMOVE EXISTING FRONT CURTAIN AND RIGGING SYSTEM COMPLETE RETAIN AND PROTECT FLOOR MOUNTED PULLEY SYSTEM ANCHORS. SALVAGE FRONT CURTAIN FOR REINSTALLATION.
- REMOVE THE EXISTING COUNTERWEIGHT LINE SET SYSTEM AND WALL MOUNTED WINCH COMPLETE. PATCH AND REPAIR WALL TO MATCH EXISTING.
 - - EXISTING DRESSING ROOMS, NOT-IN-SCOPE OF WORK,
- EXISTING STAGE STAIRS, RETAIN AND PROTECT.
- EXISTING HARDWOOD MAPLE STAGE FLOOR OVER 2X SLEEPERS ON TOP OF A CONCRETE SUB-FLOOR. RETAIN AND PROTECT.
- EXISTING CAT WALK SYSTEM SUSPENDED FROM JOIST ABOVE. RETAIN AND PROTECT.
- REMOVE EXISTING SUSPENDED LATH AND PLASTER CEILING SYSTEM
- EXISTING STEEL JOIST. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. METAL LATH AND PLASTER WALL FINISH SYSTEM. RETAIN AND PROTECT PATCH AND REPAIR AS REQUIRED FOR REMOVAL OF RIGGING SYSTEM. PAINT TO MATCH.
- REMOVE EXISTING STAGE HOUSE LIGHTS AND PREPARE FOR NEW LIGHTS SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING MECHANICAL DIFFUSER FOR REMOVAL OF EXISTING SUBPRINGED PLASTER CEILING. CLEAN AND REINSTALL UPON NEW CEILING INSTALLATION.
- 17. EXISTING WALL THROUGH-WALL LOUVER AND DAMPER SYSTEM. RETAIN AND PROTECT.
 - 18. EXISTING DRESSING ROOMS BELOW, NOT IN SCOPE OF WORK

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JOB NO: 210218

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A. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATE.

GENERAL NOTES

MAINTAIN ACCESS TO EXITS AT ALL TIMES. FIRE ALARMS & SMOKE DETECTION SYSTEMS SHALL REMAIN OPERATIONAL AT ALL TIMES. PROTECT SMOKE DETECTORS AS RECUIRED & IN CONFORMANCE WITH CODES & LOCAL AUTHORTIES HANNIG JURSDICTION. CONTRACTOR SHALL ESEKCISE CAUTION NOT TO DAMAGE ESTSING SHEACES, DUCTS, PIPES, DOOPS & ALL ASSOCIATED COMPONENTS ADACENT TO DENOLITION AREAS, SHOULD ANY DAMAGE OCCUR, NOTINGACION SHEAL ER RESPONSIBLE TO REPAIR OR REPLACE AT IND ADDITIONAL COST TO THE OWNER.

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SEE RCP

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HEDULED CELLING SYSTEM

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HEIGHT REFERENCES ARE TAKEN FROM DATUM FINISH ELEVATION 0-0". FIELD VERIFY CONDITIONS & NOTIFY ARCHITECT OR ANY INADEQUATE CLEARANCES FOR CEILING LAYOUT AS DESIGNED.

NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINISH SCHEDULE & CELLING PLAN.

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CEILING SECTION DETAIL (3)

CEILING DETAIL (4)

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LIGHT FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL DRAWING FOR LIGHT FIXTURE TYPES. SEE ELECTRICAL FOR ADDITIONAL INFORMATION & COORDINATE.

INSTALL SUSPENDED ACOUSTIC CEILING PER CURRENT ICC-ES EVALUATION REPORT ESE: 1308 AND ALL ASSOCIATED AMENDMENTS. SEE SHEETS G10.2-G1.04 FOR ADDITIONAL INFORMATION.

PLAN REFERENCE NOTES

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COUNTETHE COUNTING STAGE RIGGING.

COUNTEMPEIGHT UNE SETS STAGE LIGHTS, STOR BORDER, CURTANS, I.

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10 DELO-HANNE UNE SETS FOR REIMANING DAPES.

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UNI-STRUT SYSTEM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATE.

RE-INSTALLED MECHANICAL DIFFUSER. COORDINATE LOCATION WITH NEW UNI-STRUT SYSTEM. TYPICAL ROOF JOIST SPACING. FIELD VERIFY.

RE-INSTALLED MECHANICAL GRILLE. FIELD VERIFY LOCATION.

EXISTING CHANGE ROOMS BELOW. RETAIN AND PROTECT.

EXISTING CATWALK SYSTEM SUSPENDED FROM JOIST ABOVE. RETAIN AND PROTECT.

NEW HEAD BLOCK ANCHORING PLATE FOR PULLEY SYSTEM. PAINT ALL EXPOSED STEEL TO MATCH WALL COLOR. EXISTING ROOF STEEL JOIST. SEE STRUCTURAL FOR ADDITIONAL INFORMATION.

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\$23-5" (NATCH EXIST)

CEILING LEGEND

CEILING TYPE CEILING HEIGHT

TYPE A: NEW 24" X 48" ACOUSTIC SUSPENDED CEILING SYSTEM. SEE STRUCTURAL FOR ADDITIONAL INFORMATION AND COORDINATE.. CEILING ELEVATION MARKER

REINSTALLED SUPPLY AIR DIFFUSER

REINSTALLED SUPPLY AIR DIFFUSER.

EXISTING SUPPLY DUCTWORK. RETAIN AND PROTECT

LED LIGHT FIXTURES

1

REFLECTED CEILING PLAN (2)

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FLOOR PLAN





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JOB NO: 210218 ARW JOB NO: 21514

SHEET NAME Structural Sheet Index

НІСНГАИР 1Н - АПРІТОКІІИМ КІССІИС

STRUCTURAL NOTES

OGDEN SCHOOL DISTRICT







REV DATE COMMENT

ISSUE DATE **05/03/22**

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INTERIOR STEEL STUD FRAMING NOTES

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OGDEN SCHOOL DISTRICT

ROOF FRAMING PLAN

HIGHLAND 1H - AUDITORIIUM RIGGING





















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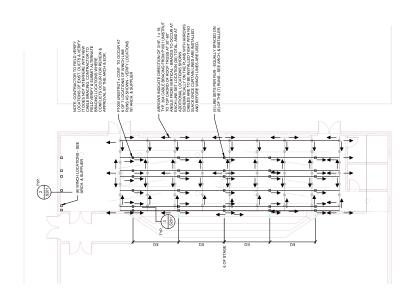




JOB NO: 210218 ARW JOB NO: 21514

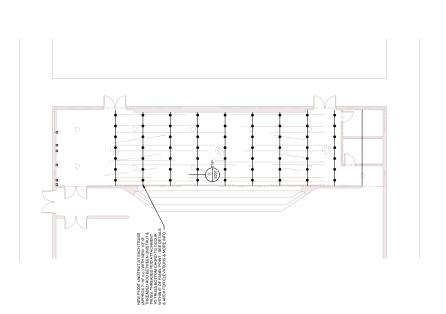
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OGDEN SCHOOL DISTRICT

JOB NO: 210218 ARW JOB NO: 21514

S201

31717

DETAILS



























NOTE: DO NOT SCREW TO BOTTOM OF DECK, SCREWS MUST BE ON VERTICAL FACE.

12 GAUGE SPLAY WIRE AT 12-07-0.0. IN EACH DIRECTION, BRACE SHALL BE LOCATED TO SUPPORT NOT MORE THAN 96 FT* PER BRACING LOCATION







3201

TYPICAL UNISTRUT CONNECTION

REV DATE COMMENT

SSUE DATE 05/03/22

CEILING SYSTEM - INLINE V UNISTRUT - SEE ARCH. P100I UNISTRUT W/ WOLF WASHERS TOP & BOTTOM

P1001 UNISTRUT x CONT PLAN

TYPICAL HEAD BLOCK ANCHORING DETAIL 2
SCALE: NONE (\$201)











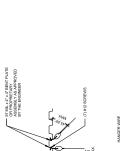
















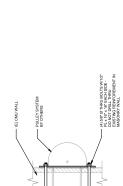






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SPLAY WIRE CONNECTION DETAIL SCALE: NOWE



CHANNEL -TYPICAL -

* X

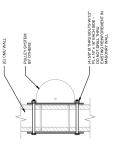
EXISTING ROOF DECK

NOTE. CONTRACTOR TO SELECT T-GRID CELLING SECTIONS CAPABLE OF SUPPORTING A DOUBLE LAYER OF GYPSUM SHEATHING - SEE ARCH FOR MORE INFO

CEILING SUSPENSION SYSTEM

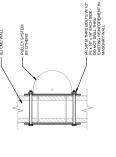
CEILING SYSTEM - INLI UNISTRUT - SEE ARCH

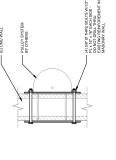
EXISTING OPEN WEB JOIST

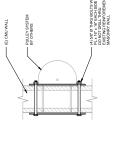


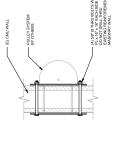
THREADED ROD - SEE PLAN

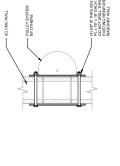
FITTING CONNECTION TO CHANNEL BEAM, TYP, MAY BE ATTACHED AT THREADED ROD W/ NUTS & WASHERS TOP & BOTTOM

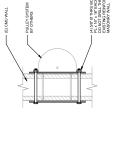


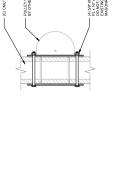


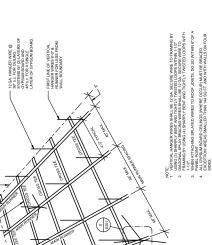






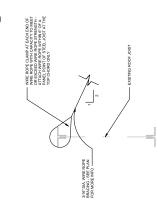




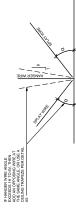


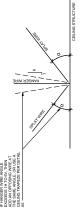


COMPRESSION STRUT PER TABLE STRUTS SHALL BE PLACED ON MAIN-TEES AND SUPPORTED SO THAT THE TRIBUTARY CEILING AREA IS 96 FT









TYP, HANGER WIRE SCALE: NONE

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JOB NO: 210218

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5/18/2022

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COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND NAVE CONNECTION TO EXIST SYSTEMS. THE DUBLISE LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLICED.

DEMOLITION NOTES

PELOCATE REVINE ANDIOR RECONNECT EXISTING ELECTRICAL DEVICES ANDIOR EQUIPMENT POR ANY REASON CRISTRUCTS CONSTRUCTION.

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LIGHT FIXTURE SCHEDULE NOTES

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17. INSTALL DEVICES PER MANUFACTURETS RETALATION INSTRUCTIONS. 18. DASHED LINE INDIGATES GOUPMENT CLEARANCES. ARROW DENOTES FRONT OF 19. SPEWERT TO BE MANUFED IN HORIZONTAL ASSITON. 20. MOUNTING HEIGHTS IS TO BOTTOM OF DISPLAY.	TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET OF I	
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 DASHED LINE MODENTES ECUIPMENT CLEARANCES, AHROW DENOTES FRONT IS, SPEAKER TO BE MOLINTED IN HORIZONTAL POSITION. MOUNTING HEIGHTS IS TO BOTTOM OF DISPLAY. 	* TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET C	
18. DASHED LINE INDICATES EC 19. SPEAKER TO BE MOUNTED 20. MOUNTING HEIGHTS IS TO B	* TYPICAL SYMBOL SCHEDULE	

19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION. 20. MOUNTMAN BEHEAFTS STO BOTTOM OF DISPLAY. * TYPICAL SYMBOL SCHETZIE STOHE STORE SYMBOL SAW WIT THE LISED IN THIS SET.	THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER, OWNER OWNER, OWNE
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PEFER TO LIGHTING PLANS FOR ALL INEXA FOCUSE. LENGTHS. THE CAYALOS NIMBER IS BASED ON THE FOCUSE SPECIFIED AND MAY NOT REALSC. UNEAR PICTURES REQUIRED. TO CONTRACTOR TO NOTE THAT VARIOUS ENTITIES LENGTHS MAY BE REQUIRED. TO ACHEVE THE OVERALL FINIT LAND LENGTH.

REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUF

CONFIRM AVALABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS ARCHITECT AND ELECTRICAL ENGINEER PRICE TO RELEASE.

Particular Par			- 1	J	40	1					-		1							31	8	š	밿쵦	3819	38		v 8	# #	1	e i	16							od I		16 I										
Section Sect	Section Sect		HEIGHT	AS NOTED	+72.	AS NOTED	+18.							CEILING	+46"	+46*	+46" ;	-48.	+46"	+46. 7	+46" ;	+46" 1	CEILING			+18" OR			$\overline{}$	+46	+60*	+80.	+80.	+46	+60*	+80"	-99+	7.22+		+72" (AS NOTED						L
Section Sect	Section Sect		DESCRIPTION	JUNCTION BOX (F IN FLOOR)	ECUIPMENT PANEL SEE DRAWINGS	CABLE TRAY (BASKET/LADDER)	GROUND BUS BAR	LIGHT FIXTURE (LETTER DESIGNATES TYPE)	EQUIPMENT NUMBER	ARCHITECTURAL ROOM NUMBER	DEVICE EQUIPMENT (TEXT DESIGNATES TIPE) SEE SCHEDULE	DEVICE EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE LEGEND		EMERGENCY LIGHTING CONTROL UNIT	SINGLE POLE SWITCH	THREE-WAY SWITCH	FOUR-WAY SWITCH	KEY OPERATED SWITCH	SWITCH WITH PLOT LIGHT	VARIABLE INTENSITY SWITCH	TIMER SWITCH	MOMENTARY CONTACT SWITCH	DUAL TECH CELLING MOLIVIED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	DUAL TECH WALL MOUNTED GOCUPANCY SENSOR SUBSCIPE DE DIMMING AND DAY-LIGHT CONTROL)	LOCATE ON POOF, FACE NORTH)	AND AND ADDRESS OF THE				PUSHBUTTON	NON-FUSED DISCONNECT SWITCH	FUSED DISCONNECT SWITCH	BREAKER DISCONNECT SWITCH	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PLOT LIGHT	MAGNETIC STARTER	MAGNETIC STARTER / DISCONNECT COMBINATION	VARIABLE FREQUENCY DRIVE	PANEL BOARD	MAIN DISTRIBUTION PANEL	UTILITY METER			FIRE/SMOKE DAMPER	роовносрев	FLOW SWITCH	TAMPER SWITCH	WATER FLOOD INDICATOR	FIRE ALARM RELAY OR SECURITY RELAY	FIRE ALARM CONTROL MODULE	FIRE ALARM MONITOR MODULE
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REV DATE COMMENT ISSUE DATE 5/18/2022

GENERAL NOTES

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CONSULT ARCHITEC FIXTURES.	DEBLEV HI SOUTHWEST PRESENCE AND LOCATIONS BESON
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- - CONTRACTOR SHALL VERIEY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.), OF ALL EQUIPMENT FLANISHED UNDER ALL DINISIONS, INCLIDINS ALL E ECCUPAGENT TO BE THE LIZED. PRIVIEW ALL SHOP DINAWINGS AND EXISTING EQUIPMENT BIBTORIE BEGINNING ROUGH IN.
- SEE SECTION 205105 (10510) OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CELLING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH R LOCATION OF ALL EQUIPMENT. ETC. WHERE APPLICABLE MOURT ALL WIRING DEVICES ABOVE BACK SPLASH EXC THE CONTRER COUPMENT.
 - SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
 - PINISHES OF ALL LIGHT PIXTURES SHALL BE AS SELECTED BY ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL NOTEY AND COOPERATE WITH THE INCCHANICAL CONTRACTOR. SLOCH WITH A TO POPME, AND COOPERATION OF THE ILLICITION, ELECTRICAL, ECOPHICAL SHALL BE PERMITTED TO BE INSTALLED IN ENTER OR MASS THAU ELECTRICAL, ROOMS O SPACES, OR ABOVE OR BELOW ELECTRICAL ECURNBALT IN OTHER MISAS.
- ELECTRICAL BOXES SHALL NOT BELOCATED IN MASONRY OCLUMAS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO DPENINGS, COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR. 10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CELLINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- CONTRACTOR SHALL VERIEY FURNITINE LAYOUT PRIOR TO ANY FLOORSOX OR POKE-THEM WISHLALTION COORBINATE EDUC ILOCATION OF FLOOR BOX OR FORE-THEIU WITH OWNERS FURNITIES PROYINGER PROPERTY ROUGHEN.

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- CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CROUTS STAYS WITHIN 3%.
 VOLTAGE BINDETOWN A SAME ALCOAD IN PRECESSION CONTRICTOR SHALL INSTRUME, WHIE AND
 CONDITISTED TO MEET THE STANDARD AT NO ADDITIVAL, COST TO OWNER. PERFORM VCLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH VCLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.
- REMOVE EXISTING LIGHT FATURES WHICH ARE NOT TO BE PEUSED, PLACE IN CARTON LIABEL HOPOGOWINGS, AND PEUT TO VERBE. THAT THE OWNER GLOCKES NOT TO VERBE. 8. DONOT PERETWES TRUCTURAL BEARBINS OF FLOCKS, WALE, CIELMOS, INDOFS, ETC.
 9. DISCONNECT AND RECONNECT ANYAL ENTHES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

OGDEN SCHOOL DISTRICT

JOB NO: 210218

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HIGHLAND JH - AUDITORIUM RIGGING REPLACEMENT 325 GRAMERCY AVENUE, OGDEN, UT 84404 ELECTRICAL PLANS

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ISSUE DATE 5/18/2022

REV DATE COMMENT

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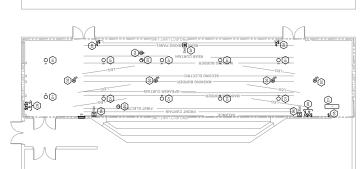
SHEET KEYNOTES

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ELECTRICAL DEMOLITION PLAN

ELECTRICAL PLAN

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