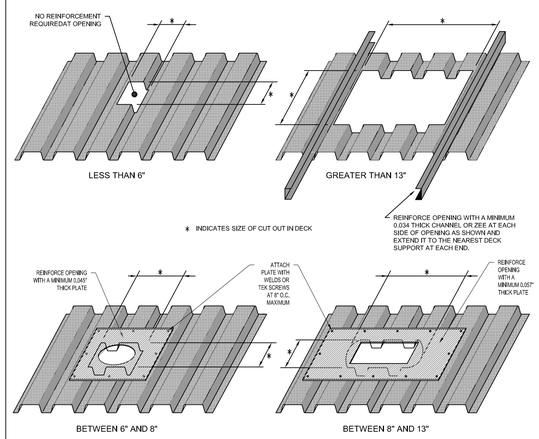
# Seminole Casino Hotel Brighton

THESES DETAILS ARE PROVIDED AS A GUIDE ONLY AND REFLECT THE SUGGESTED MINIMUM REINFORCEMENT REQUIREMENTS AS PUBLISHED BY SDI "DECK DAMAGE AND PENETRATIONS". THIS IS NOT TO SERVE AS A REPLACEMENT FOR NOT CONSULTING THE ENGINEER OF RECORD FOR REINFORCEMENT REQUIREMENTS ON THIS PROJECT. (REF: GENERAL NOTES ON DE1.1 FOR MORE INFO)
DECK REINFORCEMENT MATERIAL AND FASTENERS ARE NOT SUPPLIED BY O'DONNELL METAL DECK.




DECK REINFORCEMENT MATERIAL AND FASTENERS ARE NOT SUPPLIED BY O'DONNELL METAL DECK.

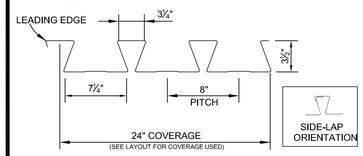
DECK REINFORCEMENT AT UNFRAMED ROOF OPENING DETAILS

# Type 3.5 D

**3 1/2" DOVE "ROOF Deck"**

**$F_y$ = 40 ksi**

■ PROFILE:




■ METAL DECK PROPERTIES: (SEE LAYOUT FOR GAGES USED)

| GAGE | | | 20 | 18 | 16 |
|---|---|---|---|---|---|
| GAGE THICKNESS (IN.) | | | 0.0358 | 0.0474 | 0.0598 |
| WEIGHT (PSF) | | | 3.34 | 4.42 | 5.61 |

■ SECTION PROPERTIES PER FOOT OF WIDTH: (SEE LAYOUT FOR GAGES USED)

| GAGE | | | 20 | 18 | 16 |
|---|---|---|---|---|---|
| $I_p$(in.)$^4$ | | | 1.886 | 2.56 | 3.31 |
| $I_n$(in.)$^4$ | | | 1.6345 | 2.33 | 3.13 |
| $S_p$(in.)$^3$ | | | 0.8214 | 1.1436 | 1.479 |
| $S_n$(in.)$^3$ | | | 0.8175 | 1.1825 | 1.5475 |

■ FINISH: (SEE LAYOUT FOR FINISHES USED)
STANDARD GRAY PRIMER - (ASTM A1008)
HOT-DIPPED GALVANIZED - (ASTM A653)
HOT-DIPPED GALVANIZED W/ STD. GRAY PRIMER - (ASTM A653)

## DRAWING INDEX


| SHEET # | DESCRIPTION |
|---|---|
| DE1.1 | ROOF DECK TYPICAL DETAILS & LEGEND |
| DE1.3 | DECK SECTIONS |
| DE2.1 | ROOF DECK LAYOUT PLAN - DIMENSION |
| DE2.2 | ROOF DECK LAYOUT PLAN |


## AVAILABLE CONTRACT DRAWINGS

| DATE | DESCRIPTION |
|---|---|
| 08/18/2023 | S0.01, S1.10, S1.11, S1.12, S1.16, S1.27, S5.06, S5.07 |

## DECK ERECTION NOTES

**REFER TO THE STEEL DECK INSTITUTE'S (SDI) DESIGN MANUAL AND ITS MANUAL OF CONSTRUCTION (MOC)**

**GC / ERECTOR NOTE:**

DO NOT ERECT STEEL DECK WITHOUT OBTAINING A COPY AND THOROUGHLY READING SDI MOC. SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FAMILIARIZE AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATIONS AND THE SAFETY GUIDELINES OUTLINED IN THE SDI MOC. THIS MANUAL IS INTENDED TO BE AN AID AND GENERAL GUIDE FOR THE SAFE AND PROPER ERECTION OF STEEL DECK.

SDI MOC IS AVAILABLE FROM:
STEEL DECK INSTITUTE
P.O. BOX 426
GLENSHAW, PA 15116
PHONE: 412-487-3325
FAX: 412-487-3326
WEB: WWW.SDI.ORG

**DECK DELIVERY AND UNLOADING:**

1. THE GENERAL CONTRACTOR (GC) AND/OR THEIR DESIGNATE SHALL TAKE FULL RESPONSIBILITY OF THE CARGO DURING THE OFF LOADING PROCESS, AS WELL AS COUNT AND VERIFY THAT THE QUANTITIES AND CONDITION OF DECK AND ACCESSORIES ARE IN AGREEMENT WITH THE BILL OF LADING PRIOR TO THE CARRIER LEAVING THE UNLOADING ZONE. ANY SHORTAGES, DAMAGES OR DISCREPANCIES IN BUNDLES AND OR SHEETS WITHIN BUNDLES SHOULD BE NOTED ON THE BILL OF LADING PRIOR TO SIGNING FOR THE MATERIAL AND THE DECK MANUFACTURER SHOULD BE IMMEDIATELY NOTIFIED.
2. THE MATERIAL LISTED ON THE BILL OF LADING ARE THE ONLY ITEMS BEING SUPPLIED.
3. EXERCISE CARE WHEN UNLOADING DECK. BUNDLE STRAPS APPLIED AT FACTORY ARE TO REMAIN ON BUNDLE UNTIL PLACED FOR ERECTION AND SHEETS ARE READY TO SPREAD. BUNDLES MUST BE RIGGED FOR LIFTING SO THAT SHIFTING AND EXCESSIVE TIPPING WILL NOT OCCUR AND THE LIFTING DEVICE WILL NOT DAMAGE THE DECK. SEE SDI MOC.
4. IF DECK BUNDLES ARE STORED ON THE GROUND, A PLASTIC COVER SHOULD BE PLACED UNDER THE BUNDLES TO MINIMIZE CONDENSATION OF WATER FROM THE GROUND ONTO THE DECK. THE STEEL DECK SHALL BE STORED OFF THE GROUND WITH ONE END ELEVATED TO PROVIDE DRAINAGE AND ALLOW AIR CIRCULATION. BUNDLES SHOULD BE STACKED SO THAT THERE IS NO DANGER OF TIPPING, SLIDING, ROLLING, SHIFTING OR MATERIAL DAMAGE. WET, UNCURED OR CHEMICALLY PRETREATED LUMBER SHOULD NOT COME INTO DIRECT CONTACT WITH THE BUNDLES.
5. THE DECK SHALL BE PROTECTED FROM THE ELEMENTS BY A VENTILATED WATERPROOF COVERING TO AVOID CONDENSATION.

**DECK INSTALLATION:**

6. ERECT ALL DECK PRODUCTS AND ACCESSORIES IN ACCORDANCE WITH THE SPECIFICATIONS OF THE SDI.
7. ONLY PLANS HAVING A "FIELD USE" STAMP SHALL BE USED FOR ERECTION.
8. DECK BUNDLES MUST ALWAYS BE PLACED ON THE FRAME NEAR A MAIN SUPPORTING BEAM, AT A COLUMN, OR WALL AND ADJUSTED TO THE FINAL POSITION WITH ALIGNED SIDELAPS AND END BEARING. IT IS RECOMMENDED THAT CHALK LINES BE USED TO ACCURATELY LOCATE SUPPORTING MEMBERS BEFORE PERMANENTLY FASTENING THE DECK UNITS. IN NO CASE SHALL THE BUNDLES BE PLACED ON UNBOLTED FRAMES OR ON UNATTACHED OR UNBRIDGED JOISTS.
9. OSHA FEDERAL REGISTER SUBPART R 1926.757 INCLUDES REQUIREMENTS AS TO HOW AND WHEN DECK BUNDLES MAY BE LANDED ON OPEN WEB STEEL JOISTS DURING THE STRUCTURE'S ERECTION. THIS OSHA REGULATION MUST BE EXAMINED BY ANYONE ENGAGED IN THIS ACTIVITY, SUCH THAT ALL CRITERIA IS UNDERSTOOD AND MET.
10. EACH UNIT SHALL BE BROUGHT TO PROPER BEARING ON THE SUPPORT TO PREVENT SLIP OFF. MINIMUM BEARING OF DECK ENDS ON SUPPORTS SHALL BE 1½" FOR ALL DECKS EXCEPT 2" DEEP FLOOR DECKS REQUIRE 2" AND 3" DEEP FLOOR DECKS REQUIRE 2½" AND IN NO CASE LESS THAN 1½". THE DESIGNER MUST CHECK WEB CRIPPLING IF BEARING IS LESS THAN LISTED. THE DESIGNER MAY HAVE SPECIFIED BEARING ABOVE THE MINIMUM REQUIREMENTS; ENSURE PROJECT SPECIFIC BEARING REQUIREMENTS ARE MET.
11. IF THE SUPPORTING BEAMS AND/OR JOISTS ARE NOT PROPERLY ALIGNED OR SUFFICIENTLY LEVEL TO PERMIT PROPER BEARING OF THE UNITS, THE DECK ERECTOR SHALL BRING THE MATTER TO THE ATTENTION OF THE GC FOR CORRECTION. DECK UNITS ARE NOT TO BE PLACED UNTIL NECESSARY CORRECTIONS ARE MADE.
12. THE DECK ERECTOR SHALL ADJUST AND FIELD CUT UNITS AS REQUIRED FOR DECK LENGTHS SHORTER THAN 6'-0" AND AT OPENINGS, WHICH ARE NOT SHOWN ON THE O'DONNELL DRAFTING FIELD USE DRAWINGS.
13. TO FORM A WORKING PLATFORM, IMMEDIATELY FASTEN DECK PANELS TO THE SUPPORTS IN ACCORDANCE WITH OSHA REGULATION 29CFR SECTION 1926.754(E). PER SECTION 1926.754(E)(2), RUN DECK UNITS CONTINUOUSLY OVER OPENINGS WHEN POSSIBLE. UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS. OPENINGS THROUGH THE DECK SHOWN ON O'DONNELL FIELD USE DRAWINGS, AS WELL AS SKEWED AREAS, SHALL BE CUT IN THE FIELD BY THE DECK ERECTOR. OPENINGS REQUIRED THROUGH THE DECK UNIT THAT ARE NOT SHOWN ON THE O'DONNELL FIELD USE DRAWINGS SHALL ALSO BE CUT IN THE FIELD AND REINFORCED, IF NECESSARY, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE SDI MOC.

**DECK ATTACHMENT:**

14. ALL WELDING OF DECK UNITS SHALL BE IN STRICT ACCORDANCE WITH ANSI/AWS D1.3 STRUCTURAL WELDING CODE FOR SHEET STEEL AND SHALL PROVIDE LATERAL STABILITY TO THE TOP FLANGE OF THE SUPPORTING STRUCTURAL MEMBERS. EACH WELDER MUST DEMONSTRATE AN ABILITY TO PRODUCE SATISFACTORY WELDS USING A PROCEDURE AS SHOWN IN THE SDI MOC OR AS SPECIFIED IN ANSI/AWS D1.3.
15. WHEN WELDING, ALL WELDS ARE MADE FROM THE TOP OF THE DECK DOWN THROUGH THE LAPS. ARC SPOT WELDS SHOULD PENETRATE AND ATTACH ALL THICKNESSES OF MATERIAL TO THE STRUCTURAL SUPPORTS. CARE IN THE SELECTION OF ELECTRODES AND AMPERAGE SHOULD BE EXERCISED TO ENSURE POSITIVE ATTACHMENT.

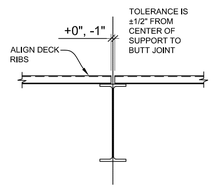
**O'DONNELL GENERAL NOTES:**

16. NIC – NOT IN CONTRACT. UNO – UNLESS NOTED OTHERWISE.
17. TOUCH UP OF DECK FINISH AT WELD LOCATIONS OR OTHERWISE IS INSTALLERS RESPONSIBILITY.
18. CONCRETE PLACEMENT PROCEDURES SHALL AVOID HIGH PILE UPS OF CONCRETE OR IMPACTS CAUSED BY DROPPING OR DUMPING. DO NOT EXCEED LOAD CARRYING CAPACITY OF STEEL DECK WITH CONSTRUCTION LOADS AND EQUIPMENT.
19. CONCRETE WITH CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED WITH ANY STEEL DECK. INSULATION IN CONTACT WITH STEEL DECK CAN BE VERY CORROSIVE WHEN WATER IS PRESENT. WOOD FIBER BOARD INSULATION CONTAINING CONCENTRATED LEVELS OF CHLORINE IS HIGHLY CORROSIVE TO STEEL DECK AND IS NOT RECOMMENDED.
20. PRESSURE TREATED LUMBER HAS BEEN SHOWN TO BE HIGHLY CORROSIVE WHEN IN DIRECT CONTACT WITH SHEET METAL AND IS TO BE AVOIDED. SDI RECOMMENDS A BARRIER OF WATER AND ICE SHIELD OR EQUIVALENT TO BE USED BETWEEN PRESSURE TREATED LUMBER AND STEEL DECK PRODUCTS OR ACCESSORIES.
21. DESIGN RESPONSIBILITY: PER THE SDI CODE OF STANDARD PRACTICE, THE SELLER AND MANUFACTURER SHALL ASSUME NO RESPONSIBILITY OTHER THAN TO FURNISH MATERIALS SPECIFIED. FURTHERMORE, THE DESIGNER IS RESPONSIBLE FOR SPECIFYING DECK TYPES, GAGES, FINISHES, ATTACHMENTS AND BEARING CONDITIONS TO FACILITATE ALL LOADING, DEFLECTION, SPAN AND EXPOSURE CONDITIONS. THE COORDINATION OF SHORING REQUIREMENTS IS THE RESPONSIBILITY OF THE DESIGNER AND THE GENERAL CONTRACTOR.

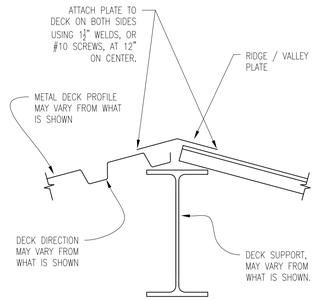
**CONTRACT NOTE:**

**O'DONNELL WILL NOT ACCEPT THE RESPONSIBILITY OR CHARGES FOR ANY FIELD CORRECTIONS MADE WITHOUT PRIOR O'DONNELL APPROVAL.**

FOR FIELD USE

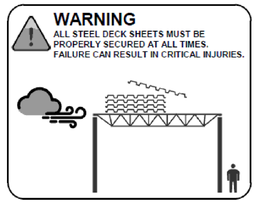



TYPICAL DECK BUTT @ SUPPORT




TYPICAL INSTALLATION DETAIL FOR:
RIDGE / VALLEY PLATE

**WARNING**
**ALL STEEL DECK SHEETS MUST BE PROPERLY SECURED AT ALL TIMES. FAILURE CAN RESULT IN CRITICAL INJURIES.**



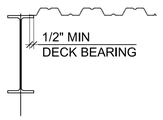
## SECTION NOTES

1) AS SECTIONS DRAWING REPRESENT A GENERAL PICTURE OF CUTS AT VARIOUS LOCATIONS ON PLANS, ACCESSORIES SHOWN MAY HAVE DIFFERENT MARKS TO SUIT EACH CONDITION. PLEASE REFER TO PLANS TO IDENTIFY APPROPRIATE MARK NUMBERS ATEACH LOCATION.

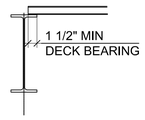
2) EDGE OF SLAB FORMED BY OTEHRS UNLESS ACCESSORY (POUR STOP) MARK NUMBER SHOWN.

3) FIELD CUT AND SUPPORT DECK AS REQUIRED TO SUIT, AT LOCATIONS OF MOMENT / COVER PLATES, ON BEAMS / PLATE GIRDERS AND / OR AT WIND GIRDER DIAGONAL BRACING CONNECTIONS, BY OTHERS.

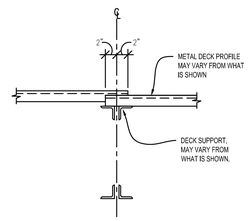
4) "SP" WHEN SHOWN - INDICATES SEE PLAN VIEW FOR INFORMATION.




MIN. DECK BEARING ON "WEAK" DIRECTION




MIN. DECK BEARING ON "STRONG" DIRECTION

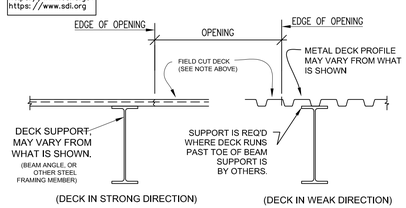



TYPICAL DECK LAP @ SUPPORT

## DECK LEGEND

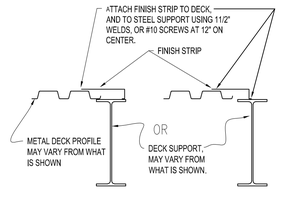
| | |
|---|---|
| BOA | BACK OF ANGLE |
| BOC | BACK OF CHANNEL |
| BOD | BOTTOM OF DECK |
| BM | BEAM |
| ℄ | CENTERLINE |
| COL | COLUMN |
| EOA | EDGE OF ACCESSORY |
| EOD | EDGE OF DECK |
| EPS | EDGE OF POURSTOP |
| FD | DIMENSION TO BE DETERMINED IN FIELD |
| IFOW | INSIDE FACE OF WALL |
| OFOW | OUTSIDE FACE OF WALL |
| JST | JOIST |
| HSS | HOLLOW STRUCTURAL STEEL |
| UNO | UNLESS NOTED OTHERWISE |
| VIF | VERIFY IN FIELD |
| START DECK | SUGGESTED ERECTION STARTING POINT |
| ★ | FIELD CUTTING OF DECK REQUIRED |
| ⩙ | TEMPORARY SHORING OF DECK REQUIRED<br>SHORING IS BY OTHERS NOT BY O'DONNELL METAL DECK |
| 1.5 - CC1 | ACCESSORY (SEE PLAN AND SCHEDULE)<br>1.5 DENOTES THE QUANTITY<br>CC1 DENOTES THE MARK REFERRING TO THE ACCESSORY SCHEDULE |
| * | POUR STOP NOTED WITH "*" (PSx*) DENOTES THE POUR STOP MUST BE INSTALL PRIOR TO DECK |
| ⊠ | FIELD CUT OPENING BY OTHERS<br>SEE TYPICAL DETAIL ON THIS SHEET |

REFERENCE:
https://www.osha.gov
https://www.sdi.org

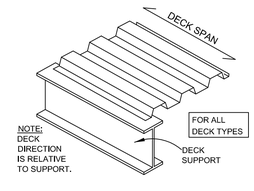



NOTE:
METAL DECKING HOLES AND OPENINGS SHOULD NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE NEEDED OR INTENDED TO FULFILL ITS SPECIFIC USE. WHEN PROJECT SPECIFIC ERECTION PLAN REQUIRES OTHERWISE, FOLLOW SAFETY ORDINANCES GOVERING PROTECTIVE MEANS.

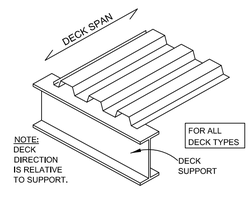
TYPICAL FIELD CUT OPENING WITHOUT SLAB



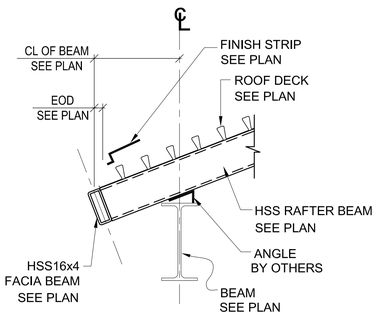

TYPICAL INSTALLATION DETAIL FOR FINISH STRIP




"WEAK" DIRECTION
APPLIES TO ALL DECK TYPES

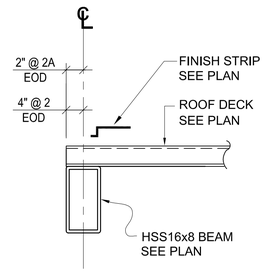



"STRONG" DIRECTION
APPLIES TO ALL DECK TYPES



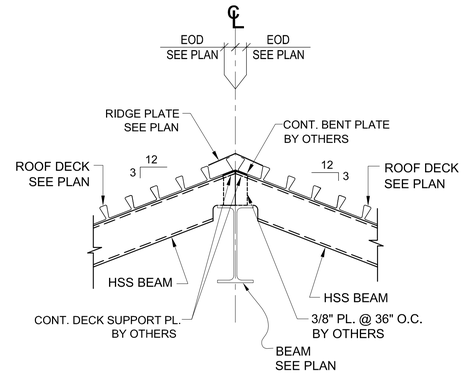

## DECK SECTION 1

REF. : 5, 6/S5.06



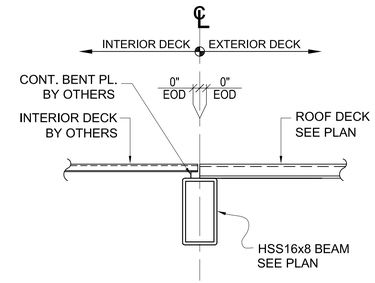

## DECK SECTION 2, 2A

REF. : 2/S5.06



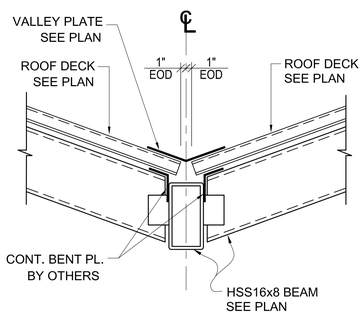

## DECK SECTION 3

REF. : 1, 9, 9B, 9C/S5.06



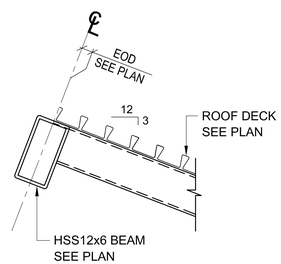

## DECK SECTION 4

REF. : 8/S5.06




## DECK SECTION 5

REF. : NOT PROVIDED




## DECK SECTION 6

REF. : A7/A3.31

# DECK ERECTION NOTES

**REFER TO THE STEEL DECK INSTITUTE'S (SDI) DESIGN MANUAL AND ITS MANUAL OF CONSTRUCTION (MOC)**

**GC / ERECTOR NOTE:**

DO NOT ERECT STEEL DECK WITHOUT OBTAINING A COPY AND THOROUGHLY READING SDI MOC. SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FAMILIARIZE AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATIONS AND THE SAFETY GUIDELINES OUTLINED IN THE SDI MOC. THIS MANUAL IS INTENDED TO BE AN AID AND GENERAL GUIDE FOR THE SAFE AND PROPER ERECTION OF STEEL DECK.

SDI MOC IS AVAILABLE FROM:

| | | |
|---|---|---|
| STEEL DECK INSTITUTE | PHONE: | 412–487–3325 |
| P.O. BOX 426 | FAX: | 412–487–3326 |
| GLENSHAW, PA 15116 | WEB: | WWW.SDI.ORG |

**DECK DELIVERY AND UNLOADING:**

1. THE GENERAL CONTRACTOR (GC) AND/OR THEIR DESIGNATE SHALL TAKE FULL RESPONSIBILITY OF THE CARGO DURING THE OFF LOADING PROCESS, AS WELL AS COUNT AND VERIFY THAT THE QUANTITIES AND CONDITION OF DECK AND ACCESSORIES ARE IN AGREEMENT WITH THE BILL OF LADING PRIOR TO THE CARRIER LEAVING THE UNLOADING ZONE. ANY SHORTAGES, DAMAGES OR DISCREPANCIES IN BUNDLES AND OR SHEETS WITHIN BUNDLES SHOULD BE NOTED ON THE BILL OF LADING PRIOR TO SIGNING FOR THE MATERIAL AND THE DECK MANUFACTURER SHOULD BE IMMEDIATELY NOTIFIED.
2. THE MATERIAL LISTED ON THE BILL OF LADING ARE THE ONLY ITEMS BEING SUPPLIED.
3. EXERCISE CARE WHEN UNLOADING DECK. BUNDLE STRAPS APPLIED AT FACTORY ARE TO REMAIN ON BUNDLE UNTIL PLACED FOR ERECTION AND SHEETS ARE READY TO SPREAD. BUNDLES MUST BE RIGGED FOR LIFTING SO THAT SHIFTING AND EXCESSIVE TIPPING WILL NOT OCCUR AND THE LIFTING DEVICE WILL NOT DAMAGE THE DECK. SEE SDI MOC.
4. IF DECK BUNDLES ARE STORED ON THE GROUND, A PLASTIC COVER SHOULD BE PLACED UNDER THE BUNDLES TO MINIMIZE CONDENSATION OF WATER FROM THE GROUND ONTO THE DECK. THE STEEL DECK SHALL BE STORED OFF THE GROUND WITH ONE END ELEVATED TO PROVIDE DRAINAGE AND ALLOW AIR CIRCULATION. BUNDLES SHOULD BE STACKED SO THAT THERE IS NO DANGER OF TIPPING, SLIDING, ROLLING, SHIFTING OR MATERIAL DAMAGE. WET, UNCURED OR CHEMICALLY PRETREATED LUMBER SHOULD NOT COME INTO DIRECT CONTACT WITH THE BUNDLES.
5. THE DECK SHALL BE PROTECTED FROM THE ELEMENTS BY A VENTILATED WATERPROOF COVERING TO AVOID CONDENSATION.

**DECK INSTALLATION:**

6. ERECT ALL DECK PRODUCTS AND ACCESSORIES IN ACCORDANCE WITH THE SPECIFICATIONS OF THE SDI.
7. ONLY PLANS HAVING A "FIELD USE" STAMP SHALL BE USED FOR ERECTION.
8. DECK BUNDLES MUST ALWAYS BE PLACED ON THE FRAME NEAR A MAIN SUPPORTING BEAM, AT A COLUMN, OR WALL AND ADJUSTED TO THE FINAL POSITION WITH ALIGNED SIDELAPS AND END BEARING. IT IS RECOMMENDED THAT CHALK LINES BE USED TO ACCURATELY LOCATE SUPPORTING MEMBERS BEFORE PERMANENTLY FASTENING THE DECK UNITS. IN NO CASE SHALL THE BUNDLES BE PLACED ON UNBOLTED FRAMES OR ON UNATTACHED OR UNBRIDGED JOISTS.
9. OSHA FEDERAL REGISTER SUBPART R 1926.757 INCLUDES REQUIREMENTS AS TO HOW AND WHEN DECK BUNDLES MAY BE LANDED ON OPEN WEB STEEL JOISTS DURING THE STRUCTURE'S ERECTION. THIS OSHA REGULATION MUST BE EXAMINED BY ANYONE ENGAGED IN THIS ACTIVITY, SUCH THAT ALL CRITERIA IS UNDERSTOOD AND MET.
10. EACH UNIT SHALL BE BROUGHT TO PROPER BEARING ON THE SUPPORT TO PREVENT SLIP OFF. MINIMUM BEARING OF DECK ENDS ON SUPPORTS SHALL BE 1½" FOR ALL DECKS EXCEPT 2" DEEP FLOOR DECKS REQUIRE 2" AND 3" DEEP FLOOR DECKS REQUIRE 2½" AND IN NO CASE LESS THAN 1½". THE DESIGNER MUST CHECK WEB CRIPPLING IF BEARING IS LESS THAN LISTED. THE DESIGNER MAY HAVE SPECIFIED BEARING ABOVE THE MINIMUM REQUIREMENTS; ENSURE PROJECT SPECIFIC BEARING REQUIREMENTS ARE MET.
11. IF THE SUPPORTING BEAMS AND/OR JOISTS ARE NOT PROPERLY ALIGNED OR SUFFICIENTLY LEVEL TO PERMIT PROPER BEARING OF THE UNITS, THE DECK ERECTOR SHALL BRING THE MATTER TO THE ATTENTION OF THE GC FOR CORRECTION. DECK UNITS ARE NOT TO BE PLACED UNTIL NECESSARY CORRECTIONS ARE MADE.
12. THE DECK ERECTOR SHALL ADJUST AND FIELD CUT UNITS AS REQUIRED FOR DECK LENGTHS SHORTER THAN 6'–0" AND AT OPENINGS, WHICH ARE NOT SHOWN ON THE O'DONNELL DRAFTING FIELD USE DRAWINGS.
13. TO FORM A WORKING PLATFORM, IMMEDIATELY FASTEN DECK PANELS TO THE SUPPORTS IN ACCORDANCE WITH OSHA REGULATION 29CFR SECTION 1926.754(E). PER SECTION 1926.754(E)(2), RUN DECK UNITS CONTINUOUSLY OVER OPENINGS WHEN POSSIBLE, UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS. OPENINGS THROUGH THE DECK SHOWN ON O'DONNELL FIELD USE DRAWINGS, AS WELL AS SKEWED AREAS, SHALL BE CUT IN THE FIELD BY THE DECK ERECTOR. OPENINGS REQUIRED THROUGH THE DECK UNIT THAT ARE NOT SHOWN ON THE O'DONNELL FIELD USE DRAWINGS SHALL ALSO BE CUT IN THE FIELD AND REINFORCED, IF NECESSARY, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE SDI MOC.

**DECK ATTACHMENT:**

14. ALL WELDING OF DECK UNITS SHALL BE IN STRICT ACCORDANCE WITH ANSI/AWS D1.3 STRUCTURAL WELDING CODE FOR SHEET STEEL AND SHALL PROVIDE LATERAL STABILITY TO THE TOP FLANGE OF THE SUPPORTING STRUCTURAL MEMBERS. EACH WELDER MUST DEMONSTRATE AN ABILITY TO PRODUCE SATISFACTORY WELDS USING A PROCEDURE AS SHOWN IN THE SDI MOC OR AS SPECIFIED IN ANSI/AWS D1.3.
15. WHEN WELDING, ALL WELDS ARE MADE FROM THE TOP OF THE DECK DOWN THROUGH THE LAPS. ARC SPOT WELDS SHOULD PENETRATE AND ATTACH ALL THICKNESSES OF MATERIAL TO THE STRUCTURAL SUPPORTS. CARE IN THE SELECTION OF ELECTRODES AND AMPERAGE SHOULD BE EXERCISED TO ENSURE POSITIVE ATTACHMENT.

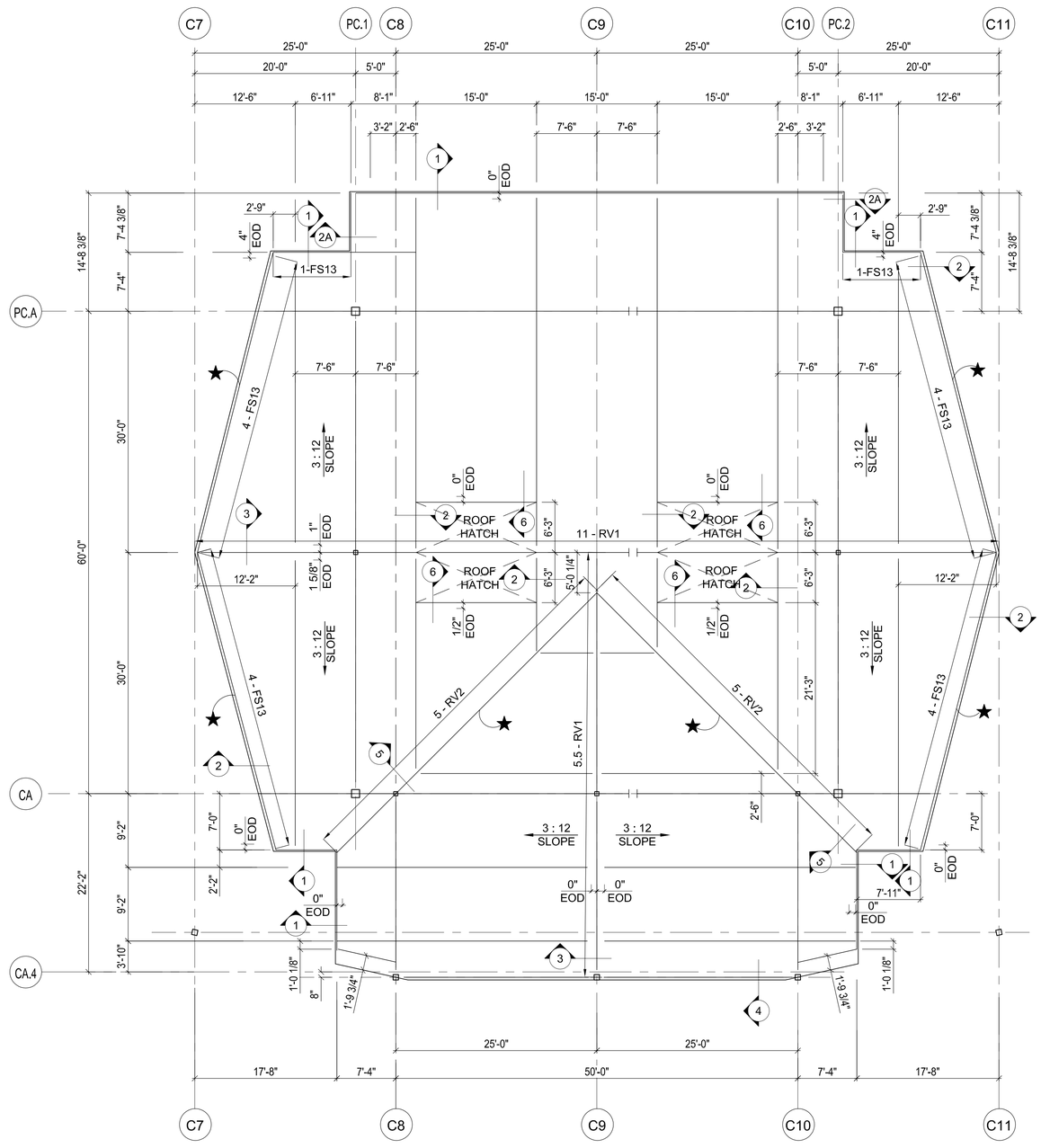
**O'DONNELL GENERAL NOTES:**

16. NIC – NOT IN CONTRACT. UNO – UNLESS NOTED OTHERWISE.
17. TOUCH UP OF DECK FINISH AT WELD LOCATIONS OR OTHERWISE IS INSTALLERS RESPONSIBILITY.
18. CONCRETE PLACEMENT PROCEDURES SHALL AVOID HIGH PILE UPS OF CONCRETE OR IMPACTS CAUSED BY DROPPING OR DUMPING. DO NOT EXCEED LOAD CARRYING CAPACITY OF STEEL DECK WITH CONSTRUCTION LOADS AND EQUIPMENT.
19. CONCRETE WITH CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED WITH ANY STEEL DECK. INSULATION IN CONTACT WITH STEEL DECK CAN BE VERY CORROSIVE WHEN WATER IS PRESENT. WOOD FIBER BOARD INSULATION CONTAINING CONCENTRATED LEVELS OF CHLORINE IS HIGHLY CORROSIVE TO STEEL DECK AND IS NOT RECOMMENDED.
20. PRESSURE TREATED LUMBER HAS BEEN SHOWN TO BE HIGHLY CORROSIVE WHEN IN DIRECT CONTACT WITH SHEET METAL AND IS TO BE AVOIDED. SDI RECOMMENDS A BARRIER OF WATER AND ICE SHIELD OR EQUIVALENT TO BE USED BETWEEN PRESSURE TREATED LUMBER AND STEEL DECK PRODUCTS OR ACCESSORIES.
21. DESIGN RESPONSIBILITY: PER THE SDI CODE OF STANDARD PRACTICE, THE SELLER AND MANUFACTURER SHALL ASSUME NO RESPONSIBILITY OTHER THAN TO FURNISH MATERIALS SPECIFIED. FURTHERMORE, THE DESIGNER IS RESPONSIBLE FOR SPECIFYING DECK TYPES, GAGES, FINISHES, ATTACHMENTS AND BEARING CONDITIONS TO FACILITATE ALL LOADING, DEFLECTION, SPAN AND EXPOSURE CONDITIONS. THE COORDINATION OF SHORING REQUIREMENTS IS THE RESPONSIBILITY OF THE DESIGNER AND THE GENERAL CONTRACTOR.

**CONTRACT NOTE:**

**O'DONNELL WILL NOT ACCEPT THE RESPONSIBILITY OR CHARGES FOR ANY FIELD CORRECTIONS MADE WITHOUT PRIOR O'DONNELL APPROVAL.**

FOR FIELD USE

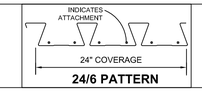



## DECK GAGE & FINISH

| FM DECK | UL DECK | MARK | TYPE | GAGE | FINISH | Fy (KSI) | COVER |
|---|---|---|---|---|---|---|---|
| ☐ | ☐ | RD | 3.5 D | 16 | GALV (G60) | 40 KSI | 24" |

## DECK FASTENER SCHEDULE

**FASTENER PATTERN at SUPPORT:**




**24/6 PATTERN**

**GENERAL NOTES :**

ALLOWABLE CAPACITY FOR DIAPHRAGM ACTION IS IN ACCORDANCE TO SDI PUBLICATION, "DIAPHRAGM DESIGN MANUAL". IN THE CASE OF MECHANICAL FASTENERS, THE ERECTION SHALL TAKE CARE IN THE SELECTION OF ELECTRODES AND AMPERAGE TO PROVIDE POSITIVE TIE TO THE SUPPORT WITHOUT CAUSING ANY HIGH AMPERAGE BLOW HOLES. WHEN SIDELAP SCREWS ARE SPEC., THE SPACING SHALL BE EQUALLY DISTANCED WITHOUT HAVING ANY SPACE GREATER THAN 30". MINIMUM SIZE SIDELAP SCREW SHALL BE #10 TEK.

| BUILDING ZONE | PATTERN @ INTERMEDIATE SUPPORT | PATTERN @ PERIMETER SUPPORT | FASTENER TYPE @ SUPPORT | SIDELAP FASTENER |
|---|---|---|---|---|
| ROOF | 24/6 | 12" O.C. | 3/4" Ø PUDDLE WELD | 6 - #12 TEK SCREWS PER SPAN |

1) POUR STOP SHALL BE WELDED WITH 1" FILLET WELDS @ 12" O. C. MAX ACCORDING TO SDI WITH 2" MIN. BEARING.
2) ALL DECK ACCESSORIES OTHER THAN POUR STOPS SHALL ATTACHED BY EITHER TACK WELDING OR #10 TEK SCREWS (BY OTHERS) @ 24" O.C. MAX ACCORDING TO SDI WITH 2" MIN. BEARING.

REMARKS:

SCREWS - #12 -24x1 1/4" Type/3 (Side Laps)

## Accessories Schedule
## Length = 10'-0" TYP. UNO.

| MARK | Gage | Profile | A | B | C | Angle |
|---|---|---|---|---|---|---|
| FS13 (Finish Strip) | 20 | B A C | 3 1/2" | 8" | 1/2" | **90°** |
| RV1 (Ridge & Valley) | 20 | A B ANGLE | 6" | 6" | | **151°** |
| RV2 (Ridge & Valley) | 20 | A B ANGLE | 6" | 6" | | **159°** |
| TEK/1 (Tek Screws) | | | | | | |

## DECK ERECTION NOTES

**REFER TO THE STEEL DECK INSTITUTE'S (SDI) DESIGN MANUAL AND ITS MANUAL OF CONSTRUCTION (MOC)**

**GC / ERECTOR NOTE:**

DO NOT ERECT STEEL DECK WITHOUT OBTAINING A COPY AND THOROUGHLY READING SDI MOC. SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FAMILIARIZE AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATIONS AND THE SAFETY GUIDELINES OUTLINED IN THE SDI MOC. THIS MANUAL IS INTENDED TO BE AN AID AND GENERAL GUIDE FOR THE SAFE AND PROPER ERECTION OF STEEL DECK.

SDI MOC IS AVAILABLE FROM:
STEEL DECK INSTITUTE — PHONE: 412–487–3325
P.O. BOX 426 — FAX: 412–487–3326
GLENSHAW, PA 15116 — WEB: WWW.SDI.ORG

**DECK DELIVERY AND UNLOADING:**

1. THE GENERAL CONTRACTOR (GC) AND/OR THEIR DESIGNATE SHALL TAKE FULL RESPONSIBILITY OF THE CARGO DURING THE OFF LOADING PROCESS, AS WELL AS COUNT AND VERIFY THAT THE QUANTITIES AND CONDITION OF DECK AND ACCESSORIES ARE IN AGREEMENT WITH THE BILL OF LADING PRIOR TO THE CARRIER LEAVING THE UNLOADING ZONE. ANY SHORTAGES, DAMAGES OR DISCREPANCIES IN BUNDLES AND OR SHEETS WITHIN BUNDLES SHOULD BE NOTED ON THE BILL OF LADING PRIOR TO SIGNING FOR THE MATERIAL AND THE DECK MANUFACTURER SHOULD BE IMMEDIATELY NOTIFIED.
2. THE MATERIAL LISTED ON THE BILL OF LADING ARE THE ONLY ITEMS BEING SUPPLIED.
3. EXERCISE CARE WHEN UNLOADING DECK. BUNDLE STRAPS APPLIED AT FACTORY ARE TO REMAIN ON BUNDLE UNTIL PLACED FOR ERECTION AND SHEETS ARE READY TO SPREAD. BUNDLES MUST BE RIGGED FOR LIFTING SO THAT SHIFTING AND EXCESSIVE TIPPING WILL NOT OCCUR AND THE LIFTING DEVICE WILL NOT DAMAGE THE DECK. SEE SDI MOC.
4. IF DECK BUNDLES ARE STORED ON THE GROUND, A PLASTIC COVER SHOULD BE PLACED UNDER THE BUNDLES TO MINIMIZE CONDENSATION OF WATER FROM THE GROUND ONTO THE DECK. THE STEEL DECK SHALL BE STORED OFF THE GROUND WITH ONE END ELEVATED TO PROVIDE DRAINAGE AND ALLOW AIR CIRCULATION. BUNDLES SHOULD BE STACKED SO THAT THERE IS NO DANGER OF TIPPING, SLIDING, ROLLING, SHIFTING OR MATERIAL DAMAGE. WET, UNCURED OR CHEMICALLY PRETREATED LUMBER SHOULD NOT COME INTO DIRECT CONTACT WITH THE BUNDLES.
5. THE DECK SHALL BE PROTECTED FROM THE ELEMENTS BY A VENTILATED WATERPROOF COVERING TO AVOID CONDENSATION.

**DECK INSTALLATION:**

6. ERECT ALL DECK PRODUCTS AND ACCESSORIES IN ACCORDANCE WITH THE SPECIFICATIONS OF THE SDI.
7. ONLY PLANS HAVING A "FIELD USE" STAMP SHALL BE USED FOR ERECTION.
8. DECK BUNDLES MUST ALWAYS BE PLACED ON THE FRAME NEAR A MAIN SUPPORTING BEAM, AT A COLUMN, OR WALL AND ADJUSTED TO THE FINAL POSITION WITH ALIGNED SIDELAPS AND END BEARING. IT IS RECOMMENDED THAT CHALK LINES BE USED TO ACCURATELY LOCATE SUPPORTING MEMBERS BEFORE PERMANENTLY FASTENING THE DECK UNITS. IN NO CASE SHALL THE BUNDLES BE PLACED ON UNBOLTED FRAMES OR ON UNATTACHED OR UNBRIDGED JOISTS.
9. OSHA FEDERAL REGISTER SUBPART R 1926.757 INCLUDES REQUIREMENTS AS TO HOW AND WHEN DECK BUNDLES MAY BE LANDED ON OPEN WEB STEEL JOISTS DURING THE STRUCTURE'S ERECTION. THIS OSHA REGULATION MUST BE EXAMINED BY ANYONE ENGAGED IN THIS ACTIVITY, SUCH THAT ALL CRITERIA IS UNDERSTOOD AND MET.
10. EACH UNIT SHALL BE BROUGHT TO PROPER BEARING ON THE SUPPORT TO PREVENT SLIP OFF. MINIMUM BEARING OF DECK ENDS ON SUPPORTS SHALL BE 1½" FOR ALL DECKS EXCEPT 2" DEEP FLOOR DECKS REQUIRE 2" AND 3" DEEP FLOOR DECKS REQUIRE 2½" AND IN NO CASE LESS THAN 1½". THE DESIGNER MUST CHECK WEB CRIPPLING IF BEARING IS LESS THAN LISTED. THE DESIGNER MAY HAVE SPECIFIED BEARING ABOVE THE MINIMUM REQUIREMENTS; ENSURE PROJECT SPECIFIC BEARING REQUIREMENTS ARE MET.
11. IF THE SUPPORTING BEAMS AND/OR JOISTS ARE NOT PROPERLY ALIGNED OR SUFFICIENTLY LEVEL TO PERMIT PROPER BEARING OF THE UNITS, THE DECK ERECTOR SHALL BRING THE MATTER TO THE ATTENTION OF THE GC FOR CORRECTION. DECK UNITS ARE NOT TO BE PLACED UNTIL NECESSARY CORRECTIONS ARE MADE.
12. THE DECK ERECTOR SHALL ADJUST AND FIELD CUT UNITS AS REQUIRED FOR DECK LENGTHS SHORTER THAN 6'–0" AND AT OPENINGS, WHICH ARE NOT SHOWN ON THE O'DONNELL DRAFTING FIELD USE DRAWINGS.
13. TO FORM A WORKING PLATFORM, IMMEDIATELY FASTEN DECK PANELS TO THE SUPPORTS IN ACCORDANCE WITH OSHA REGULATION 29CFR SECTION 1926.754(E). PER SECTION 1926.754(E)(2), RUN DECK UNITS CONTINUOUSLY OVER OPENINGS WHEN POSSIBLE, UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS. OPENINGS THROUGH THE DECK SHOWN ON O'DONNELL FIELD USE DRAWINGS, AS WELL AS SKEWED AREAS, SHALL BE CUT IN THE FIELD BY THE DECK ERECTOR. OPENINGS REQUIRED THROUGH THE DECK UNIT THAT ARE NOT SHOWN ON THE O'DONNELL FIELD USE DRAWINGS SHALL ALSO BE CUT IN THE FIELD AND REINFORCED, IF NECESSARY, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE SDI MOC.

**DECK ATTACHMENT:**

14. ALL WELDING OF DECK UNITS SHALL BE IN STRICT ACCORDANCE WITH ANSI/AWS D1.3 STRUCTURAL WELDING CODE FOR SHEET STEEL AND SHALL PROVIDE LATERAL STABILITY TO THE TOP FLANGE OF THE SUPPORTING STRUCTURAL MEMBERS. EACH WELDER MUST DEMONSTRATE AN ABILITY TO PRODUCE SATISFACTORY WELDS USING A PROCEDURE AS SHOWN IN THE SDI MOC OR AS SPECIFIED IN ANSI/AWS D1.3.
15. WHEN WELDING, ALL WELDS ARE MADE FROM THE TOP OF THE DECK DOWN THROUGH THE LAPS. ARC SPOT WELDS SHOULD PENETRATE AND ATTACH ALL THICKNESSES OF MATERIAL TO THE STRUCTURAL SUPPORTS. CARE IN THE SELECTION OF ELECTRODES AND AMPERAGE SHOULD BE EXERCISED TO ENSURE POSITIVE ATTACHMENT.

**O'DONNELL GENERAL NOTES:**

16. NIC – NOT IN CONTRACT. UNO – UNLESS NOTED OTHERWISE.
17. TOUCH UP OF DECK FINISH AT WELD LOCATIONS OR OTHERWISE IS INSTALLERS RESPONSIBILITY.
18. CONCRETE PLACEMENT PROCEDURES SHALL AVOID HIGH PILE UPS OF CONCRETE OR IMPACTS CAUSED BY DROPPING OR DUMPING. DO NOT EXCEED LOAD CARRYING CAPACITY OF STEEL DECK WITH CONSTRUCTION LOADS AND EQUIPMENT.
19. CONCRETE WITH CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED WITH ANY STEEL DECK. INSULATION IN CONTACT WITH STEEL DECK CAN BE VERY CORROSIVE WHEN WATER IS PRESENT. WOOD FIBER BOARD INSULATION CONTAINING CONCENTRATED LEVELS OF CHLORINE IS HIGHLY CORROSIVE TO STEEL DECK AND IS NOT RECOMMENDED.
20. PRESSURE TREATED LUMBER HAS BEEN SHOWN TO BE HIGHLY CORROSIVE WHEN IN DIRECT CONTACT WITH SHEET METAL AND IS TO BE AVOIDED. SDI RECOMMENDS A BARRIER OF WATER AND ICE SHIELD OR EQUIVALENT TO BE USED BETWEEN PRESSURE TREATED LUMBER AND STEEL DECK PRODUCTS OR ACCESSORIES.
21. DESIGN RESPONSIBILITY: PER THE SDI CODE OF STANDARD PRACTICE, THE SELLER AND MANUFACTURER SHALL ASSUME NO RESPONSIBILITY OTHER THAN TO FURNISH MATERIALS SPECIFIED. FURTHERMORE, THE DESIGNER IS RESPONSIBLE FOR SPECIFYING DECK TYPES, GAGES, FINISHES, ATTACHMENTS AND BEARING CONDITIONS TO FACILITATE ALL LOADING, DEFLECTION, SPAN AND EXPOSURE CONDITIONS. THE COORDINATION OF SHORING REQUIREMENTS IS THE RESPONSIBILITY OF THE DESIGNER AND THE GENERAL CONTRACTOR.

**CONTRACT NOTE:**

**O'DONNELL WILL NOT ACCEPT THE RESPONSIBILITY OR CHARGES FOR ANY FIELD CORRECTIONS MADE WITHOUT PRIOR O'DONNELL APPROVAL.**

FOR FIELD USE

**ERECTOR NOTE:** ★

DECK TO BE FIELD CUT AS REQUIRED AT THIS AREA

NORTH

# PORTE COCHERE- CASINO ROOF DECK PLACEMENT PLAN

SEQ. #01D

REF. : 1/S1.27

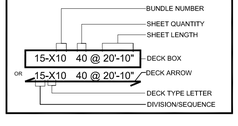
NOTES:

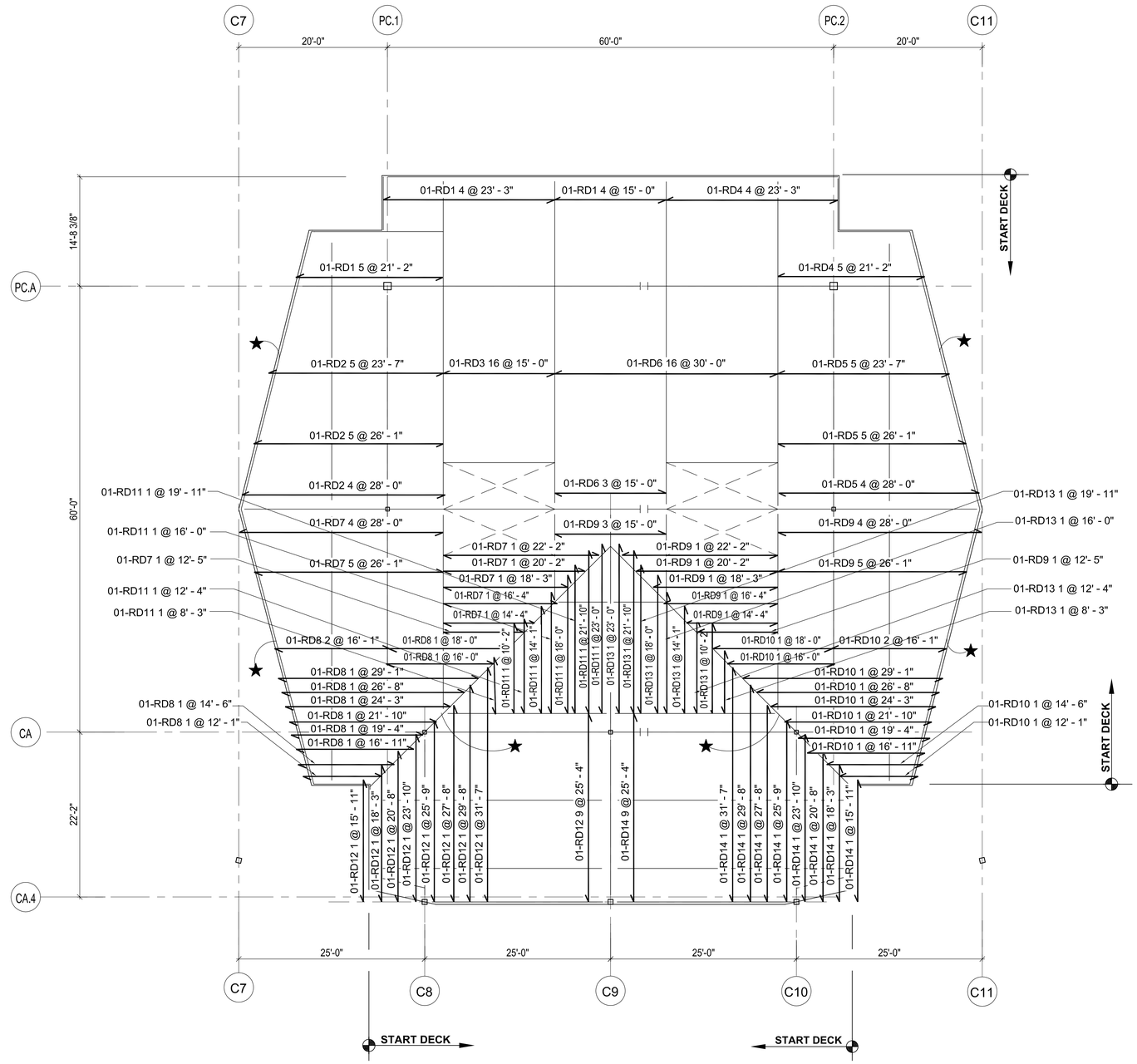
1. REFERENCE DWG DE1.1 FOR LEGEND, SYMBOLS & ABBREVIATIONS.
2. FOR DECK SECTIONS SEE DE1.3
3. FOR DECK LAYOUT SEE DE2.2.

**DESIGN METHOD**

ASD: [X] LRFD: ☐ FACTORED: ☐

**DECK SHEET LEGEND**






NORTH

# PORTE COCHERE- CASINO ROOF DECK PLACEMENT PLAN

SEQ. #01D

REF. : 1/S1.27

NOTES:

1. REFERENCE DWG DE1.1 FOR LEGEND, SYMBOLS & ABBREVIATIONS.
2. FOR DECK SECTIONS SEE DE1.3
3. FOR DIMENSIONS, SPACINGS & OTHER DETAILS, SEE DE2.1.

## DECK ERECTION NOTES

**REFER TO THE STEEL DECK INSTITUTE'S (SDI) DESIGN MANUAL AND ITS MANUAL OF CONSTRUCTION (MOC)**

**GC / ERECTOR NOTE:**

DO NOT ERECT STEEL DECK WITHOUT OBTAINING A COPY AND THOROUGHLY READING SDI MOC. SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FAMILIARIZE AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATIONS AND THE SAFETY GUIDELINES OUTLINED IN THE SDI MOC. THIS MANUAL IS INTENDED TO BE AN AID AND GENERAL GUIDE FOR THE SAFE AND PROPER ERECTION OF STEEL DECK.

SDI MOC IS AVAILABLE FROM:

STEEL DECK INSTITUTE
P.O. BOX 426
GLENSHAW, PA 15116

PHONE: 412-487-3325
FAX: 412-487-3326
WEB: WWW.SDI.ORG

**DECK DELIVERY AND UNLOADING:**

1. THE GENERAL CONTRACTOR (GC) AND/OR THEIR DESIGNATE SHALL TAKE FULL RESPONSIBILITY OF THE CARGO DURING THE OFF LOADING PROCESS, AS WELL AS COUNT AND VERIFY THAT THE QUANTITIES AND CONDITION OF DECK AND ACCESSORIES ARE IN AGREEMENT WITH THE BILL OF LADING PRIOR TO THE CARRIER LEAVING THE UNLOADING ZONE. ANY SHORTAGES, DAMAGES OR DISCREPANCIES IN BUNDLES AND OR SHEETS WITHIN BUNDLES SHOULD BE NOTED ON THE BILL OF LADING PRIOR TO SIGNING FOR THE MATERIAL AND THE DECK MANUFACTURER SHOULD BE IMMEDIATELY NOTIFIED.
2. THE MATERIAL LISTED ON THE BILL OF LADING ARE THE ONLY ITEMS BEING SUPPLIED.
3. EXERCISE CARE WHEN UNLOADING DECK. BUNDLE STRAPS APPLIED AT FACTORY ARE TO REMAIN ON BUNDLE UNTIL PLACED FOR ERECTION AND SHEETS ARE READY TO SPREAD. BUNDLES MUST BE RIGGED FOR LIFTING SO THAT SHIFTING AND EXCESSIVE TIPPING WILL NOT OCCUR AND THE LIFTING DEVICE WILL NOT DAMAGE THE DECK. SEE SDI MOC.
4. IF DECK BUNDLES ARE STORED ON THE GROUND, A PLASTIC COVER SHOULD BE PLACED UNDER THE BUNDLES TO MINIMIZE CONDENSATION OF WATER FROM THE GROUND ONTO THE DECK. THE STEEL DECK SHALL BE STORED OFF THE GROUND WITH ONE END ELEVATED TO PROVIDE DRAINAGE AND ALLOW AIR CIRCULATION. BUNDLES SHOULD BE STACKED SO THAT THERE IS NO DANGER OF TIPPING, SLIDING, ROLLING, SHIFTING OR MATERIAL DAMAGE. WET, UNCURED OR CHEMICALLY PRETREATED LUMBER SHOULD NOT COME INTO DIRECT CONTACT WITH THE BUNDLES.
5. THE DECK SHALL BE PROTECTED FROM THE ELEMENTS BY A VENTILATED WATERPROOF COVERING TO AVOID CONDENSATION.

**DECK INSTALLATION:**

6. ERECT ALL DECK PRODUCTS AND ACCESSORIES IN ACCORDANCE WITH THE SPECIFICATIONS OF THE SDI.
7. ONLY PLANS HAVING A "FIELD USE" STAMP SHALL BE USED FOR ERECTION.
8. DECK BUNDLES MUST ALWAYS BE PLACED ON THE FRAME NEAR A MAIN SUPPORTING BEAM, AT A COLUMN, OR WALL AND ADJUSTED TO THE FINAL POSITION WITH ALIGNED SIDELAPS AND END BEARING. IT IS RECOMMENDED THAT CHALK LINES BE USED TO ACCURATELY LOCATE SUPPORTING MEMBERS BEFORE PERMANENTLY FASTENING THE DECK UNITS. IN NO CASE SHALL THE BUNDLES BE PLACED ON UNBOLTED FRAMES OR ON UNATTACHED OR UNBRIDGED JOISTS.
9. OSHA FEDERAL REGISTER SUBPART R 1926.757 INCLUDES REQUIREMENTS AS TO HOW AND WHEN DECK BUNDLES MAY BE LANDED ON OPEN WEB STEEL JOISTS DURING THE STRUCTURE'S ERECTION. THIS OSHA REGULATION MUST BE EXAMINED BY ANYONE ENGAGED IN THIS ACTIVITY, SUCH THAT ALL CRITERIA IS UNDERSTOOD AND MET.
10. EACH UNIT SHALL BE BROUGHT TO PROPER BEARING ON THE SUPPORT TO PREVENT SLIP OFF. MINIMUM BEARING OF DECK ENDS ON SUPPORTS SHALL BE 1½" FOR ALL DECKS EXCEPT 2" DEEP FLOOR DECKS REQUIRE 2" AND 3" DEEP FLOOR DECKS REQUIRE 2½" AND IN NO CASE LESS THAN 1½". THE DESIGNER MUST CHECK WEB CRIPPLING IF BEARING IS LESS THAN LISTED. THE DESIGNER MAY HAVE SPECIFIED BEARING ABOVE THE MINIMUM REQUIREMENTS; ENSURE PROJECT SPECIFIC BEARING REQUIREMENTS ARE MET.
11. IF THE SUPPORTING BEAMS AND/OR JOISTS ARE NOT PROPERLY ALIGNED OR SUFFICIENTLY LEVEL TO PERMIT PROPER BEARING OF THE UNITS, THE DECK ERECTOR SHALL BRING THE MATTER TO THE ATTENTION OF THE GC FOR CORRECTION. DECK UNITS ARE NOT TO BE PLACED UNTIL NECESSARY CORRECTIONS ARE MADE.
12. THE DECK ERECTOR SHALL ADJUST AND FIELD CUT UNITS AS REQUIRED FOR DECK LENGTHS SHORTER THAN 6'-0" AND AT OPENINGS, WHICH ARE NOT SHOWN ON THE O'DONNELL DRAFTING FIELD USE DRAWINGS.
13. TO FORM A WORKING PLATFORM, IMMEDIATELY FASTEN DECK PANELS TO THE SUPPORTS IN ACCORDANCE WITH OSHA REGULATION 29CFR SECTION 1926.754(E). PER SECTION 1926.754(E)(2), RUN DECK UNITS CONTINUOUSLY OVER OPENINGS WHEN POSSIBLE, UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS. OPENINGS THROUGH THE DECK SHOWN ON O'DONNELL FIELD USE DRAWINGS, AS WELL AS SKEWED AREAS, SHALL BE CUT IN THE FIELD BY THE DECK ERECTOR. OPENINGS REQUIRED THROUGH THE DECK UNIT THAT ARE NOT SHOWN ON THE O'DONNELL FIELD USE DRAWINGS SHALL ALSO BE CUT IN THE FIELD AND REINFORCED, IF NECESSARY, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE SDI MOC.

**DECK ATTACHMENT:**

14. ALL WELDING OF DECK UNITS SHALL BE IN STRICT ACCORDANCE WITH ANSI/AWS D1.3 STRUCTURAL WELDING CODE FOR SHEET STEEL AND SHALL PROVIDE LATERAL STABILITY TO THE TOP FLANGE OF THE SUPPORTING STRUCTURAL MEMBERS. EACH WELDER MUST DEMONSTRATE AN ABILITY TO PRODUCE SATISFACTORY WELDS USING A PROCEDURE AS SHOWN IN THE SDI MOC OR AS SPECIFIED IN ANSI/AWS D1.3.
15. WHEN WELDING, ALL WELDS ARE MADE FROM THE TOP OF THE DECK DOWN THROUGH THE LAPS. ARC SPOT WELDS SHOULD PENETRATE AND ATTACH ALL THICKNESSES OF MATERIAL TO THE STRUCTURAL SUPPORTS. CARE IN THE SELECTION OF ELECTRODES AND AMPERAGE SHOULD BE EXERCISED TO ENSURE POSITIVE ATTACHMENT.

**O'DONNELL GENERAL NOTES:**

16. NIC – NOT IN CONTRACT. UNO – UNLESS NOTED OTHERWISE.
17. TOUCH UP OF DECK FINISH AT WELD LOCATIONS OR OTHERWISE IS INSTALLERS RESPONSIBILITY.
18. CONCRETE PLACEMENT PROCEDURES SHALL AVOID HIGH PILE UPS OF CONCRETE OR IMPACTS CAUSED BY DROPPING OR DUMPING. DO NOT EXCEED LOAD CARRYING CAPACITY OF STEEL DECK WITH CONSTRUCTION LOADS AND EQUIPMENT.
19. CONCRETE WITH CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED WITH ANY STEEL DECK. INSULATION IN CONTACT WITH STEEL DECK CAN BE VERY CORROSIVE WHEN WATER IS PRESENT. WOOD FIBER BOARD INSULATION CONTAINING CONCENTRATED LEVELS OF CHLORINE IS HIGHLY CORROSIVE TO STEEL DECK AND IS NOT RECOMMENDED.
20. PRESSURE TREATED LUMBER HAS BEEN SHOWN TO BE HIGHLY CORROSIVE WHEN IN DIRECT CONTACT WITH SHEET METAL AND IS TO BE AVOIDED. SDI RECOMMENDS A BARRIER OF WATER AND ICE SHIELD OR EQUIVALENT TO BE USED BETWEEN PRESSURE TREATED LUMBER AND STEEL DECK PRODUCTS OR ACCESSORIES.
21. DESIGN RESPONSIBILITY: PER THE SDI CODE OF STANDARD PRACTICE, THE SELLER AND MANUFACTURER SHALL ASSUME NO RESPONSIBILITY OTHER THAN TO FURNISH MATERIALS SPECIFIED. FURTHERMORE, THE DESIGNER IS RESPONSIBLE FOR SPECIFYING DECK TYPES, GAGES, FINISHES, ATTACHMENTS AND BEARING CONDITIONS TO FACILITATE ALL LOADING, DEFLECTION, SPAN AND EXPOSURE CONDITIONS. THE COORDINATION OF SHORING REQUIREMENTS IS THE RESPONSIBILITY OF THE DESIGNER AND THE GENERAL CONTRACTOR.

**CONTRACT NOTE:**

**O'DONNELL WILL NOT ACCEPT THE RESPONSIBILITY OR CHARGES FOR ANY FIELD CORRECTIONS MADE WITHOUT PRIOR O'DONNELL APPROVAL.**

FOR FIELD USE

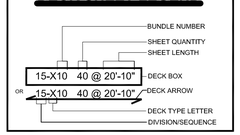
**ERECTOR NOTE:** ★

DECK TO BE FIELD CUT AS REQUIRED AT THIS AREA

**DESIGN METHOD**

ASD: [X] LRFD: [ ] FACTORED: [ ]

**DECK SHEET LEGEND**



## BILL OF MATERIALS

| | |
|---|---|
| List For | FABRICATION |
| JOB-ID | 23-12725 |
| SEQ# | 01D |
| Job Name | SEMINOLE CASINO HOTEL - BRIGHTON |
| Remarks | |

## DECK BOM

| Type | 3.5 D | GA | 16 | FINISH | G-60 | Top Clr / Bot Clr | | Cover | 24 | SQS | 53.38 |
|---|---|---|---|---|---|---|---|---|---|---|---|

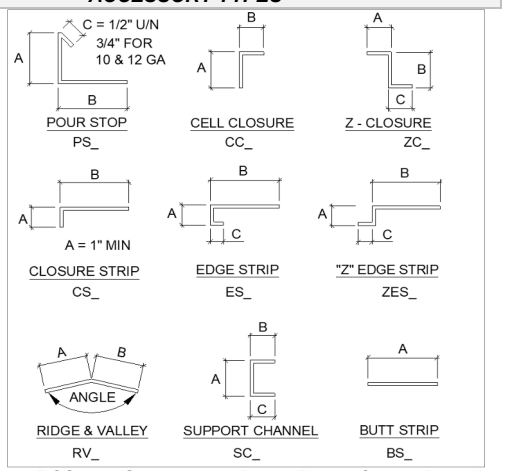
BLANK = GALV ONLY

| Bundle Mark | QTY | (ft.) | (in.) | Inches | SQS | LBS. |
|---|---|---|---|---|---|---|
| RD1 | 4 pcs | 23'- | 3.00" | 279.00 | 1.86 | |
| | 4 pcs | 15'- | 0.00" | 180.00 | 1.20 | |
| | 5 pcs | 21'- | 2.00" | 254.00 | 2.12 | |
| | | | | | | |
| RD2 | 5 pcs | 23'- | 7.00" | 283.00 | 2.36 | |
| | 5 pcs | 26'- | 1.00" | 313.00 | 2.61 | |
| | 4 pcs | 28'- | 0.00" | 336.00 | 2.24 | |
| | | | | | | |
| RD3 | 16 pcs | 15'- | 0.00" | 180.00 | 4.80 | |
| | | | | | | |
| RD4 | 4 pcs | 23'- | 3.00" | 279.00 | 1.86 | |
| | 5 pcs | 21'- | 2.00" | 254.00 | 2.12 | |
| | | | | | | |
| RD5 | 5 pcs | 23'- | 7.00" | 283.00 | 2.36 | |
| | 5 pcs | 26'- | 1.00" | 313.00 | 2.61 | |
| | 4 pcs | 28'- | 0.00" | 336.00 | 2.24 | |
| | | | | | | |
| RD6 | 16 pcs | 30'- | 0.00" | 360.00 | 9.60 | |
| | 3 pcs | 15'- | 0.00" | 180.00 | 0.90 | |
| | | | | | | |
| RD7 | 4 pcs | 28'- | 0.00" | 336.00 | 2.24 | |
| | 5 pcs | 26'- | 1.00" | 313.00 | 2.61 | |
| | 1 pcs | 22'- | 2.00" | 266.00 | 0.44 | |
| | 1 pcs | 20'- | 2.00" | 242.00 | 0.40 | |
| | 1 pcs | 18'- | 3.00" | 219.00 | 0.37 | |
| | 1 pcs | 16'- | 4.00" | 196.00 | 0.33 | |
| | 1 pcs | 14'- | 4.00" | 172.00 | 0.29 | |
| | 1 pcs | 12'- | 5.00" | 149.00 | 0.25 | |
| | | | | | | |
| RD8 | 2 pcs | 16'- | 1.00" | 193.00 | 0.64 | |
| | 1 pcs | 18'- | 0.00" | 216.00 | 0.36 | |
| | 1 pcs | 16'- | 0.00" | 192.00 | 0.32 | |
| | 1 pcs | 29'- | 1.00" | 349.00 | 0.58 | |
| | 1 pcs | 26'- | 8.00" | 320.00 | 0.53 | |
| | 1 pcs | 24'- | 3.00" | 291.00 | 0.49 | |
| | 1 pcs | 21'- | 10.00" | 262.00 | 0.44 | |
| | 1 pcs | 19'- | 4.00" | 232.00 | 0.39 | |
| | 1 pcs | 16'- | 11.00" | 203.00 | 0.34 | |
| | 1 pcs | 14'- | 6.00" | 174.00 | 0.29 | |
| | 1 pcs | 12'- | 1.00" | 145.00 | 0.24 | |
| | | | | | | |
| RD9 | 3 pcs | 15'- | 0.00" | 180.00 | 0.90 | |
| | 1 pcs | 22'- | 2.00" | 266.00 | 0.44 | |
| | 1 pcs | 20'- | 2.00" | 242.00 | 0.40 | |
| | 1 pcs | 18'- | 3.00" | 219.00 | 0.37 | |
| | 1 pcs | 16'- | 4.00" | 196.00 | 0.33 | |
| | 1 pcs | 14'- | 4.00" | 172.00 | 0.29 | |
| | 1 pcs | 12'- | 5.00" | 149.00 | 0.25 | |
| | 121 | | | | 53.38 | - |

## SCREWS

| | |
|---|---|
| #10-16 x 3/4-in. | |
| #12-24 x 1 1/4-in. | 3,000 |
| Weld Washers \| 14ga. 5/8-in. | |

## ACCESSORY TYPES




| MARK-TYPE | PCS | Gauge | A | B | C | Length |
|---|---|---|---|---|---|---|
| FS13 | 18 | 20 | 3.50 | 8.00 | .50 | 10 |
| | | | | | | |
| RV1 (151$^{O}$) | 17 | 20 | 6.00 | 6.00 | | 10 |
| | | | | | | |
| RV2 (159$^{O}$) | 10 | 20 | 6.00 | 6.00 | | 10 |

## BILL OF MATERIALS

| | |
|---|---|
| List For | FABRICATION |
| JOB-ID | 23-12725 |
| SEQ# | 01D |
| Job Name | SEMINOLE CASINO HOTEL - BRIGHTON |
| Remarks | |

## DECK BOM

| Type | 3.5 D | GA | 16 | FINISH | G-60 | Top Clr / Bot Clr | | Cover | 24 | SQS | 32.06 |
|---|---|---|---|---|---|---|---|---|---|---|---|

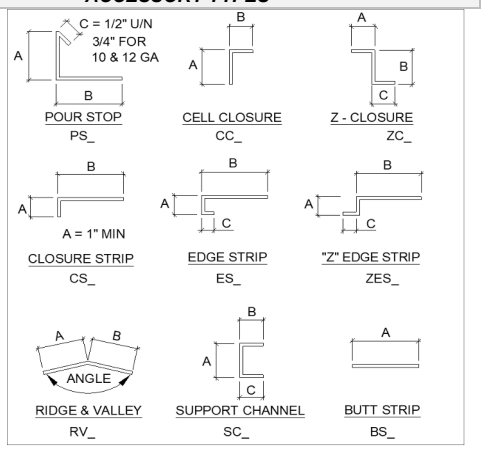
BLANK = GALV ONLY

| Bundle Mark | QTY | (ft.) | (in.) | Inches | SQS | LBS. |
|---|---|---|---|---|---|---|
| RD9 | 4 pcs | 28'- | 0.00" | 336.00 | 2.24 | |
| | 5 pcs | 26'- | 1.00" | 313.00 | 2.61 | |
| | | | | | | |
| RD10 | 2 pcs | 16'- | 1.00" | 193.00 | 0.64 | |
| | 1 pcs | 18'- | 0.00" | 216.00 | 0.36 | |
| | 1 pcs | 16'- | 0.00" | 192.00 | 0.32 | |
| | 1 pcs | 29'- | 1.00" | 349.00 | 0.58 | |
| | 1 pcs | 26'- | 8.00" | 320.00 | 0.53 | |
| | 1 pcs | 24'- | 3.00" | 291.00 | 0.49 | |
| | 1 pcs | 21'- | 10.00" | 262.00 | 0.44 | |
| | 1 pcs | 19'- | 4.00" | 232.00 | 0.39 | |
| | 1 pcs | 16'- | 11.00" | 203.00 | 0.34 | |
| | 1 pcs | 14'- | 6.00" | 174.00 | 0.29 | |
| | 1 pcs | 12'- | 1.00" | 145.00 | 0.24 | |
| | | | | | | |
| RD11 | 1 pcs | 23'- | 0.00" | 276.00 | 0.46 | |
| | 1 pcs | 21'- | 10.00" | 262.00 | 0.44 | |
| | 1 pcs | 19'- | 11.00" | 239.00 | 0.40 | |
| | 1 pcs | 18'- | 0.00" | 216.00 | 0.36 | |
| | 1 pcs | 16'- | 0.00" | 192.00 | 0.32 | |
| | 1 pcs | 14'- | 1.00" | 169.00 | 0.28 | |
| | 1 pcs | 12'- | 4.00" | 148.00 | 0.25 | |
| | 1 pcs | 10'- | 2.00" | 122.00 | 0.20 | |
| | 1 pcs | 8'- | 3.00" | 99.00 | 0.17 | |
| | | | | | | |
| RD12 | 9 pcs | 25'- | 4.00" | 304.00 | 4.56 | |
| | 1 pcs | 31'- | 7.00" | 379.00 | 0.63 | |
| | 1 pcs | 29'- | 8.00" | 356.00 | 0.59 | |
| | 1 pcs | 27'- | 8.00" | 332.00 | 0.55 | |
| | 1 pcs | 25'- | 9.00" | 309.00 | 0.52 | |
| | 1 pcs | 23'- | 10.00" | 286.00 | 0.48 | |
| | 1 pcs | 20'- | 8.00" | 248.00 | 0.41 | |
| | 1 pcs | 18'- | 3.00" | 219.00 | 0.37 | |
| | 1 pcs | 15'- | 11.00" | 191.00 | 0.32 | |
| | | | | | | |
| RD13 | 1 pcs | 23'- | 0.00" | 276.00 | 0.46 | |
| | 1 pcs | 21'- | 10.00" | 262.00 | 0.44 | |
| | 1 pcs | 19'- | 11.00" | 239.00 | 0.40 | |
| | 1 pcs | 18'- | 0.00" | 216.00 | 0.36 | |
| | 1 pcs | 16'- | 0.00" | 192.00 | 0.32 | |
| | 1 pcs | 14'- | 1.00" | 169.00 | 0.28 | |
| | 1 pcs | 12'- | 4.00" | 148.00 | 0.25 | |
| | 1 pcs | 10'- | 2.00" | 122.00 | 0.20 | |
| | 1 pcs | 8'- | 3.00" | 99.00 | 0.17 | |
| | | | | | | |
| RD14 | 9 pcs | 25'- | 4.00" | 304.00 | 4.56 | |
| | 1 pcs | 31'- | 7.00" | 379.00 | 0.63 | |
| | 1 pcs | 29'- | 8.00" | 356.00 | 0.59 | |
| | 1 pcs | 27'- | 8.00" | 332.00 | 0.55 | |
| | 1 pcs | 25'- | 9.00" | 309.00 | 0.52 | |
| | 1 pcs | 23'- | 10.00" | 286.00 | 0.48 | |
| | 1 pcs | 20'- | 8.00" | 248.00 | 0.41 | |
| | 1 pcs | 18'- | 3.00" | 219.00 | 0.37 | |
| | 1 pcs | 15'- | 11.00" | 191.00 | 0.32 | |
| | | | | | | |
| | 73 | | | | 32.06 | - |

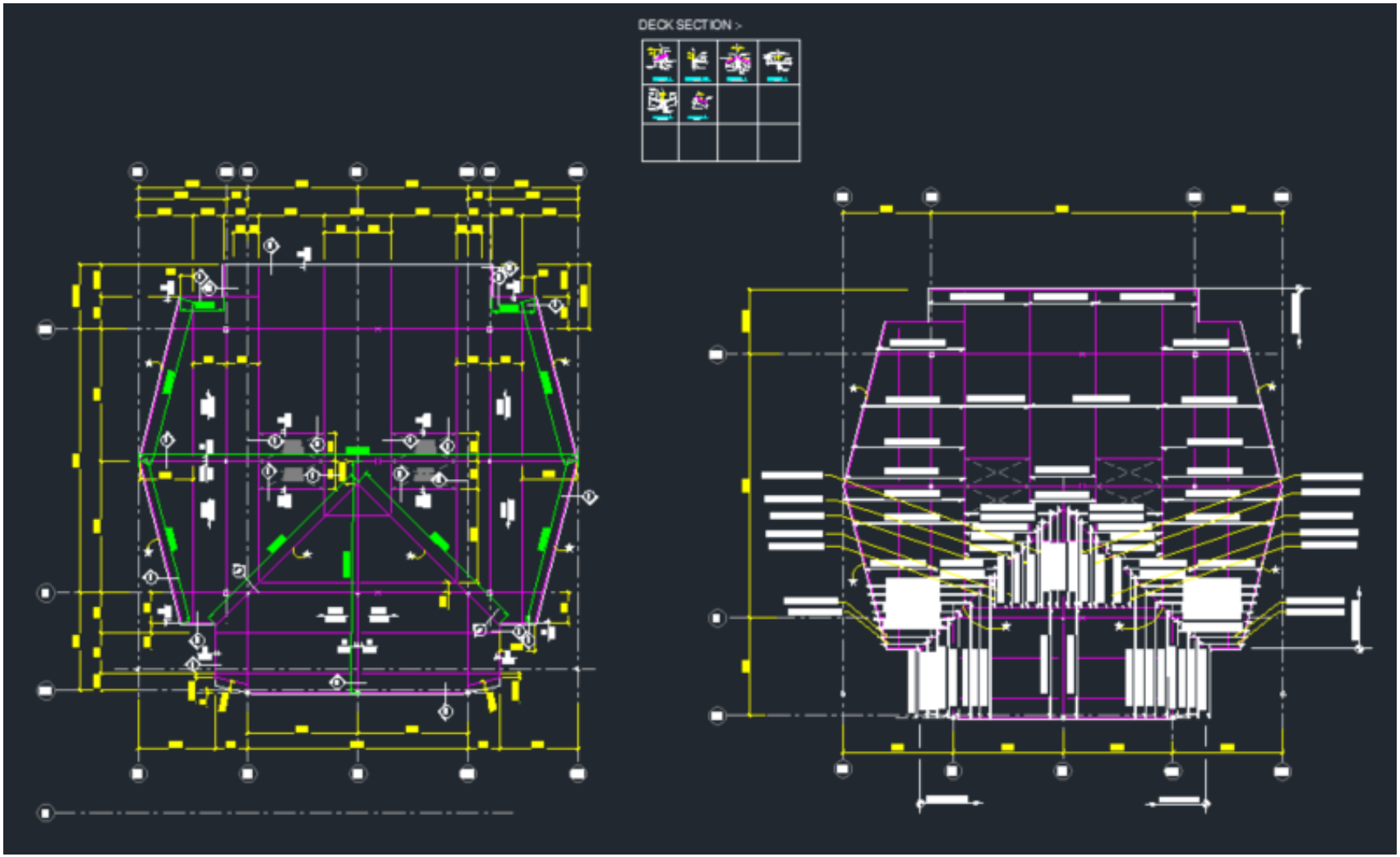
### SCREWS

| | |
|---|---|
| #10-16 x 3/4-in. | |
| #12-24 x 1 1/4-in. | |
| Weld Washers \| 14ga. 5/8-in. | |

### ACCESSORY TYPES




| MARK-TYPE | PCS | Gauge | A | B | C | Length |
|---|---|---|---|---|---|---|
| | | | | | | |


DECK SECTION >