

# WORDEN-ALLEN COMPANY

Adams Township, MI

Contract No. **3906**

Made by **W.P.K. 6-27-16**

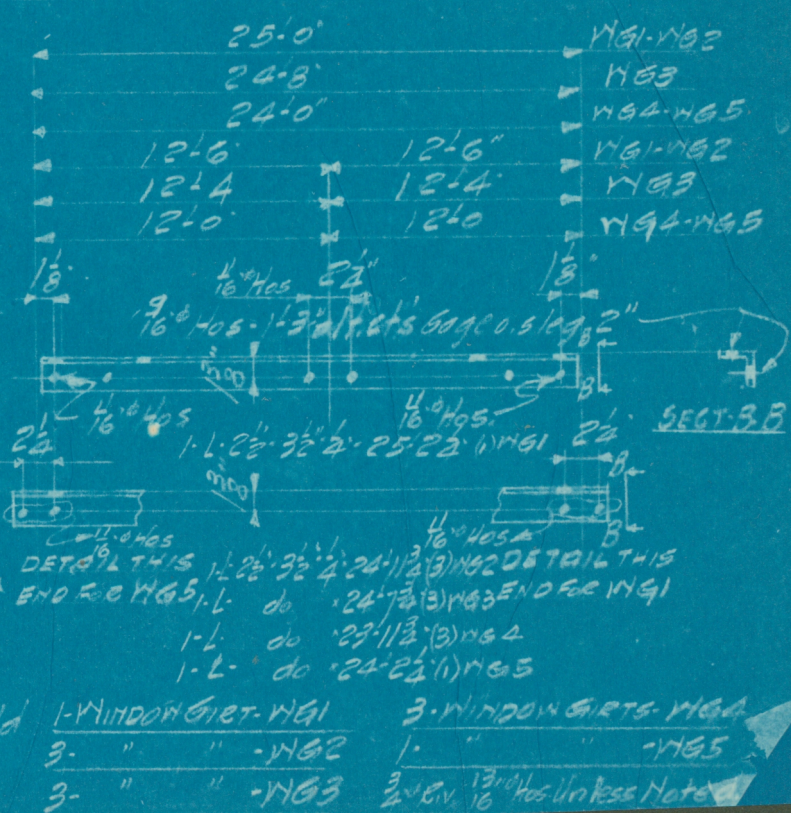
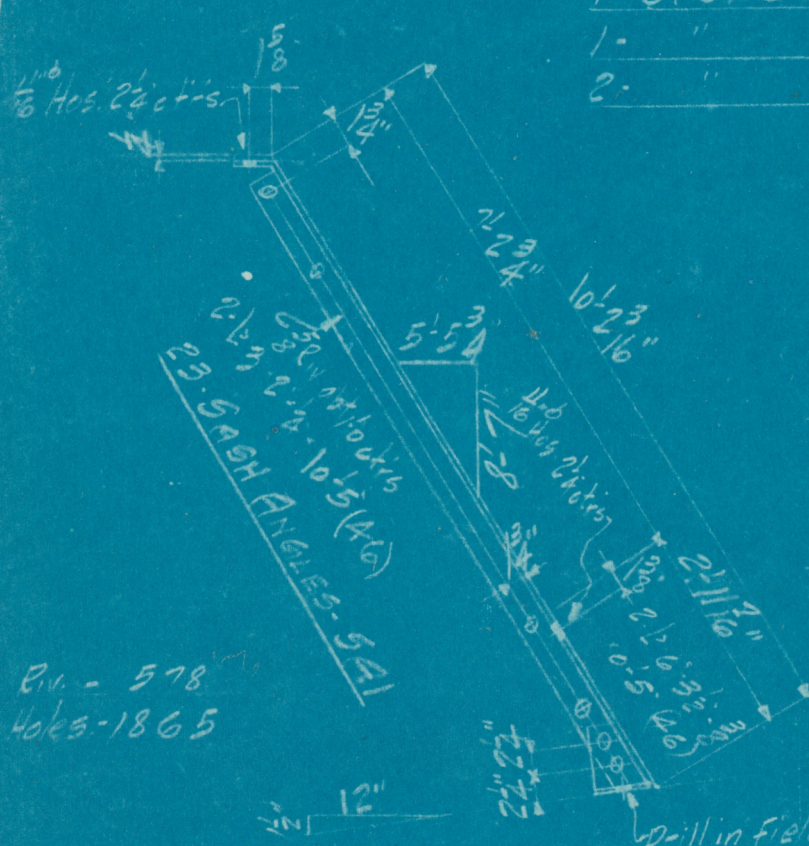
Bill No. **D5**

Checked by **T.O.V. 6-28-16**



- 1-L. 9" x 13 1/2" x 23-11 1/2" (3) } For 556-557
- 1-P. 7" x 4" x 23-11 1/2" (3) } For 556-557
- 1-L. 2 1/2" x 2 1/2" x 23-11 1/2" (3) } For 556-557
- 1-L. 9" x 13 1/2" x 24-24" (1) } For 555
- 1-P. 7" x 4" x 24-24" (1) } For 555
- 1-L. 2 1/2" x 2 1/2" x 24-24" (1) } For 555

- 1-SASH SUPPORT-555
- 1- " " - 556
- 2- " " - 557



Rev. - 578  
Holes-1865

INSP. BY W.P.K.

Shop Pt. 1st Red  
Field " - 1st White



# WORDEN-ALLEN COMPANY

Contract No. 3906  
 Bill No. D4

Adams Township, MI

Made by H.P.K. 6-26-16  
 Checked by F.V.S. 6-28-16

Cut on dotted line for SSI 2' 0" x 2'



- 1-E 9'-0" x 3/4" x 25'-2 1/2" (1)
  - 1-P 7' x 4" x 25'-2 1/2" (1) For SSI
  - 1-L 2 1/2" x 2 1/2" x 4" x 25'-2 1/2" (1)
  - 1-E 9'-0" x 3/4" x 24'-11 1/2" (2)
  - 1-P 7' x 4" x 24'-11 1/2" (3) For SSI
  - 1-L 2 1/2" x 2 1/2" x 4" x 24'-11 1/2" (3)
- 1- GASH SUPPORT SSI  
 3- " " " -552



- 1-E 9'-0" x 3/4" x 24'-8" (1)
  - 1-P 7' x 4" x 24'-7 1/2" (3)
  - 1-L 2 1/2" x 2 1/2" x 4" x 24'-7 1/2" (3)
  - 1- GASH SUPPORT SSI
  - 2- " " " -554
- 3- 6" Jibs - 5  
 13- 6" Holes  
 UNLESS NOTED  
 BR. 462  
 Holes 1167

INSP. BY W.A. CO

Shop Pt. 1-6" Red  
 Field " 1-1" White

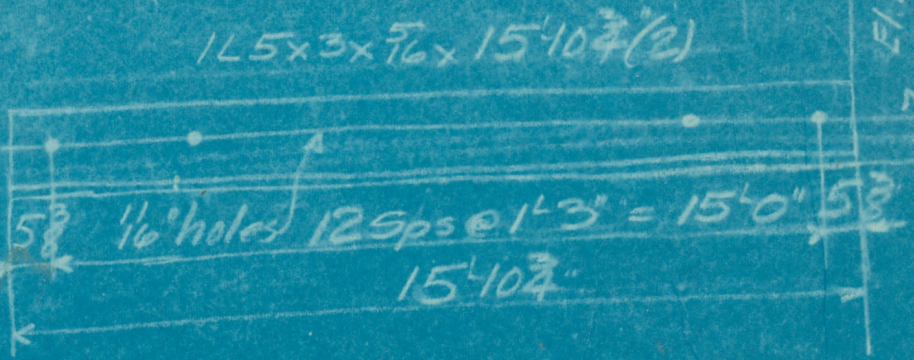


# WORDEN-ALLEN COMPANY

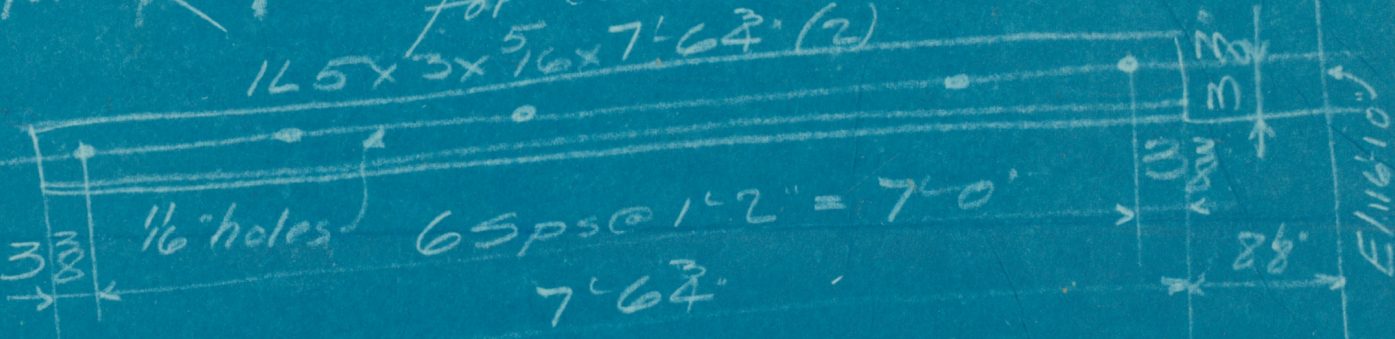
Adams Township, MI

Contract No. 3906  
Bill No. D3

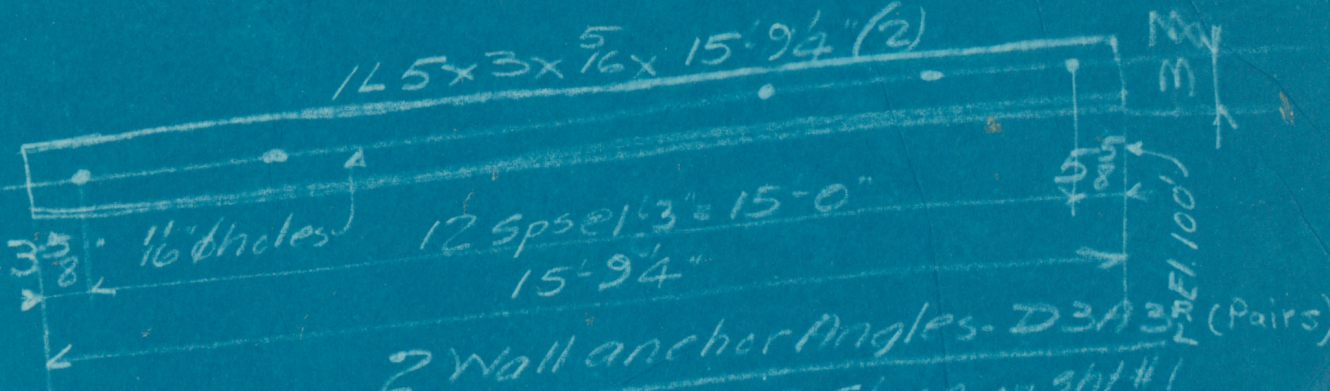
Made by Claude Webb 6/20/16  
Checked by F.O.S. 6-20-16



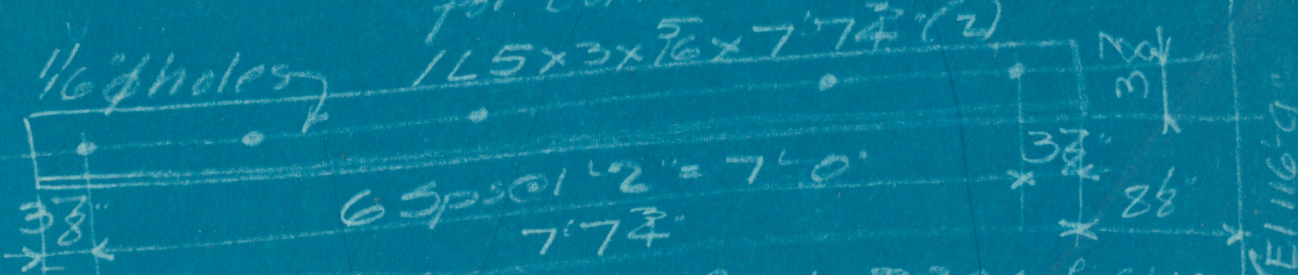
2-Wall anchor Angles D3A1  
for Cols 1C1 Shown on Sht #1



2-Wall anchor Angles D3A2  
for Cols 1C1 Shown on Sht #1



2 Wall anchor Angles D3A3 (Pairs)  
for Col 1C2R Shown on Sht #1



2 Wall anchor Angles D3A4 for Col 1C2R



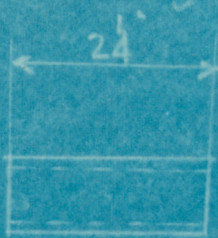
# WORDEN-ALLEN COMPANY

Contract No. 3906

Made by TRB 6/13/16

Bill No. D1

Checked by F.J.S. 6/13/16



$\frac{3}{4}$ " Gas pipe

Seps for 6HI Detailed on Sht #6

135 pipe seps

## NOTE!

For Shop use only



Adams Township, MI

Form 1, 6-3-15, 2M

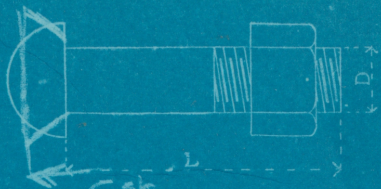
CONTRACT No. 3906  
BILL No. ER

## WORDEN-ALLEN COMPANY

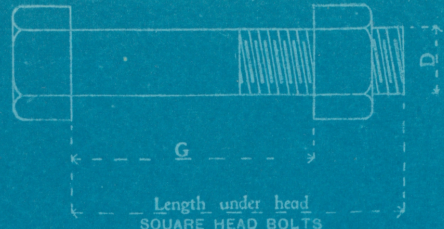
MADE BY M.W. 4/7-16  
CHECKED BY MBL 4/14/16



RIVETS



ROUND HEAD BOLTS

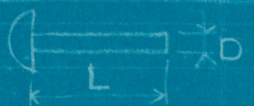


Length under head  
SQUARE HEAD BOLTS



FILLING RINGS

No. Pes.	POSITION	"D"	"L"	No. Pes.	POSITION	"D"	"L"	WASHERS		No. Pes.	Position	"D"	"L"
								No.	Kind				
8	Runway spl	3/8"	1 1/4"	16	GHPI to old work	5/8"	1 1/4"	90	HANGER SUPPORTS	3/4"	2"		
4	"	3/8"	1 3/8"					50	old work	"	1 3/8"		
								20	"	"	2 1/2"		
								25	"	"	1 1/2"		
								40	I x E to old work	3/8"	2 1/2"		
								80	CS 17-15-14-20-11-2-1	"	1 1/2"		
								32	GHPI to old work	5/8"	1 1/4"		
								90	Hanger Supports	3/8"	1 1/2"		
								102	854-5-6-7-8-9-10-11-12-13	3/8"	1 3/8"		
								102	do	3/8"	2"		
								72	551-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000	3/4"	1 1/4"		
								46	501 to 551-2-3-4-5-6-7	5/8"	1 1/2"		
								46	561 to 591-2-3-4-5	5/8"	1 1/4"		



ROUND HEAD RIVETS

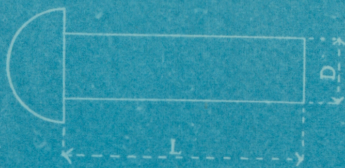
40 SSI-3-5-6 to Bracing      3/4   1/2   2



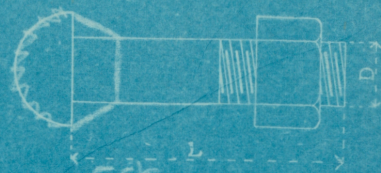
CONTRACT No. 3906  
 BILL No. 51

WORDEN-ALLEN COMPANY

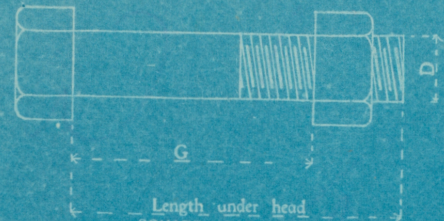
MADE BY M. W. 6/19-16.  
 CHECKED BY M. W. 6/19-16.



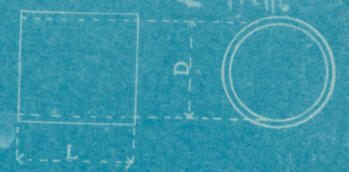
RIVETS



ROUND HEAD BOLTS



SQUARE HEAD BOLTS



FILLING RINGS

No. Pos.	POSITION	"D"	"L"	No. Pos.	POSITION	"D"	"L"	No. Pos.	POSITION	"D"	"L"	WASHERS		No. Pos.	Position	"D"	"L"
												No.	Kind				
775		3/4"	2"	25		5/8"	1 1/2"	250		3/4"	1 1/2"						
200		"	2 1/2"					400		"	1 1/2"						
30		"	2 3/4"					650		"	1 3/4"						
75		"	2 3/4"					640		"	2"						
120		"	2 1/2"					40		1/2"	1 1/2"						
140		"	2 5/8"					40		1/2"	1 1/2"						
170		2"	3 1/2"					35		3/8"	2"						
25		5/8"	1 7/8"					35		3/8"	2"						
15	CSK HEAD.	"	1 3/8"					60		3/8"	1 1/2"						
30	Round head	"	2 1/4"					80		3/8"	2 1/2"						
100		3/4"	3 1/4"														



20 - ANCHORS. 1-Rod. 5°  $1 \frac{1}{2}$ " (20)  
 22 - WASHERS. 1 1/2" Hole.

85  
16

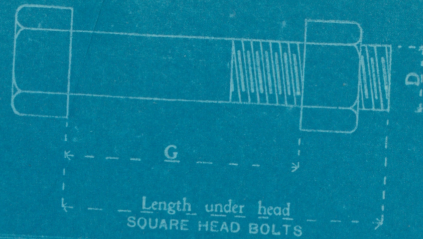
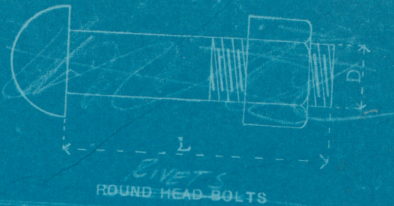
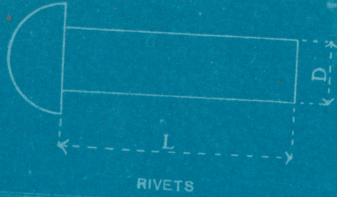
5/8"  $\phi$  14"  
3/4"  $\phi$  17" 3 4 7/16



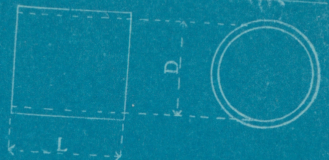
CONTRACT No. 3906  
 BILL No. 21

ERECTORS LIST

WORDEN-ALLEN COMPANY



MADE BY W.W. 6-15-16  
 CHECKED BY MBL 4/11/11



No. Pos.	POSITION	"D"	"L"	No. Pos.	POSITION	"D"	"L"	No. Pos.	POSITION	"D"	"L"	WASHERS		No. Pos.	Position	"D"	"L"
												No.	Kind				
80	3E1 to 4C1	3/4"	2'	13	68R13-20-0 B	3/4"	2'	48	3A1-23	3/4"	14"						
30	2R1 to 200	1/2"	2'	54	100R12-22-15-0 B	1/2"	2'	388	3A1-23	1/2"	14"						
60	3B2 to 200	1/2"	2'	24	6 to 5	1/2"	2'	4	302 to 3E1	1/2"	12"						
60	3R2 to	1/2"	2'	16	do	1/2"	12"	18	28	40	3A1-20-01						
6	7H2 to TRUSS	1/2"	24	16	do	1/2"	24	18	22	6	3A1-23A1						
200	3K1-23 to 200	1/2"	2'	16	do	1/2"	16	18	22	24	3A1-23A1						
12	2K4E to 5E to col	1/2"	2'	48	do	1/2"	48	18	22	24	3A1-23A1						
12	" to 12" E	1/2"	2'	8	108 to 12"	1/2"	16	18	22	16	do to 4 RINGS						
12	5K1R-23 to Col	1/2"	2'	24	12 work	1/2"	36	18	22	8	TH1 to 7L1						
12	" to 12" E	1/2"	2'	48	do	1/2"	48	18	22	8	7L1 to Col						
12	RAIN AT SPICE	1/2"	2'	16	102 to 5E to col	1/2"	16	18	22	8	24	200 3K1-23 to RAINERS					
8	JB	1/2"	2'	12	851-23 to Col	1/2"	12	5	26	4	3K2 to Col						
24	5K1-23 to Col	3/4"	2'	12	851-23 to Col	3/4"	2'	3	28	22	7C1 to PURLINS						
36	STRUTS to Col	1/2"	2'	50	do	1/2"	2'	3	28	22	do						
36	"	1/2"	2'	50	do	1/2"	2'	1	24	132	7A1-A2 to PURLINS						
24	STRUTS to 200	1/2"	2'	12	101-109 to 12" E	1/2"	2'	1	50	2	551-4 to RAFTERS						
5	4CS to 12" E	1/2"	2'	44	1 BR 3 4 8 132-3	1/2"	2'	2	16	551-2-3-4 to Col							
6	SPICE 454H	1/2"	2'	12	133 to Col	1/2"	2'	2	12	do							
4	"	1/2"	2'	16	551-2-3-4 to Col	1/2"	2'	2	28	32	Motor SUPPORTS						
4	"	1/2"	2'	16	do	1/2"	2'	2	28	32	"						

1-Rep. 5-11-05 (13)

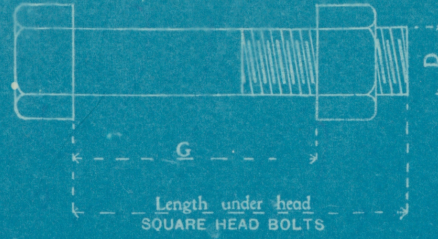
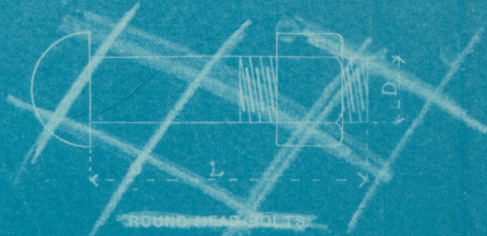
1-Rep. 5-11-05 (13)

22-WASHERS (22)

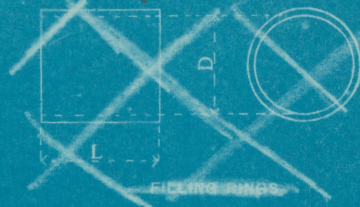


WORDEN-ALLEN COMPANY

CONTRACT NO. 3906  
 BILL NO. 82



MADE BY WPK  
 CHECKED BY FVS 5/29/10



No. Pos.	POSITION	"D"	"L"	No. Pos.	POSITION	"D"	"L"	WASHERS		No. Pos.	Position	"D"
								No.	Kind			
90	Rivets	3/8"	2"	25	Bolts	3/8"	1 1/4"					
				50	"	"	1 1/2"					
				15	"	"	1 3/4"					
				60	"	5/8"	1 1/2"					
				65	"	"	1 1/2"					

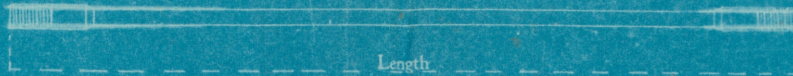


Contract No. 3906  
 Bill No. DZ.

# WORDEN-ALLEN COMPANY

Made by W. A. Woodard  
 Checked by F. W. J. 6-19-16

## BILL OF LATERAL AND VIBRATION RODS



CAST

Item No.	No. Pieces	Shipping Marks	Section	UPSET (NONE)		NUTS		WASHERS		Length of Thread	Length	Ordered Length	Weight	UPSETTING		STRG'HT'G		Date	Cost per Rod All. D. 88. 16'6" incs Strg'ht'n	REMARKS
				Diam.	Length	No.	Kind	No.	Kind					Mens No.	Time	Mens No.	Time			
4	R1	1"φ				8	STD	8	#3	3"	32'-7"									
2	R2	"				4	"	4	#1	"	36'-3 1/4"									
4	R3	"				8	"	8	#3	"	32'-8"									
2	R4	"				4	"	4	#1	"	36'-4 1/2"									
4	R5	"				8	"	16	#3	"	32'-2"									
2	R6	"				4	"	8	#1	"	35'-11"									
22	R7	5/8"				44	"			2"	5'-5"									
44	R8	"				88	"			"	2'-6 1/2"									
4	R9	3/4"				8	"	8	#3	3"	18'-10 3/4"									
324	S51	5/8"				648	"			2"	34'-9 3/4"									
3	S52	"				6	"			"	0'-10 1/2"									
22	S53	"				44	"			"	4'-6 1/2"									
22	S54	"				44	"			"	4'-1 1/2"									
4	R10	1"φ				8	"	8	#3	3	31'-9 1/2"									
2	R11	1"φ				4	"	4	#1	3	35'-7"									

